

APPENDIX A

Previous Environmental Reports

Golder Associates Inc.

18300 NE Union Hill Road, Suite 200
Redmond, WA USA 98052-3333
Telephone (425) 883-0777
Fax (425) 882-5498
www.golder.com



March 11, 2003

Our ref: 033-1334

Wasatch Acquisitions & Capital, Inc.
399 North Main; Suite 200
Logan, Utah 84321

ATTENTION: Mr. Tony Johnson

**RE: PHASE II ENVIRONMENTAL SITE ASSESSMENT
SUPERBLOCK - I SITE
BELLEVUE, WASHINGTON**

Dear Tony:

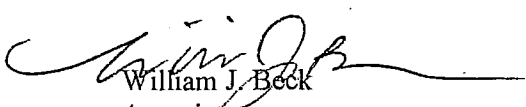
Golder Associates Incorporated (GAI) is pleased to present this Phase II Environmental Site Assessment (ESA) report for the Superblock – I property (i.e., site), in Bellevue, Washington. Our work was conducted according to the approved proposal and scope of work we submitted on November 30, 2002 (our ref. no. P02-1574) and a subsequent written amendment to contract for additional services and budget you sent Golder on February 17, 2003.

We are using the term “Superblock – I” simply to denote the two site areas that are being treated separately for purposes of the Phase II ESA. Superblock – I covers all of the Superblock property proper, minus the Tinker Toys parcel in the southwest corner of Superblock, at 10610 NE 8th Street. Findings for Superblock - II will be documented in a second report specific for that property.

Please contact us with any questions regarding this report and we look forward to completing work on the 10610 parcel (Superblock –II) in the near future.

Sincerely,

GOLDER ASSOCIATES INC.


William J. Beck
Associate
Senior Environmental Scientist

WJB/tp

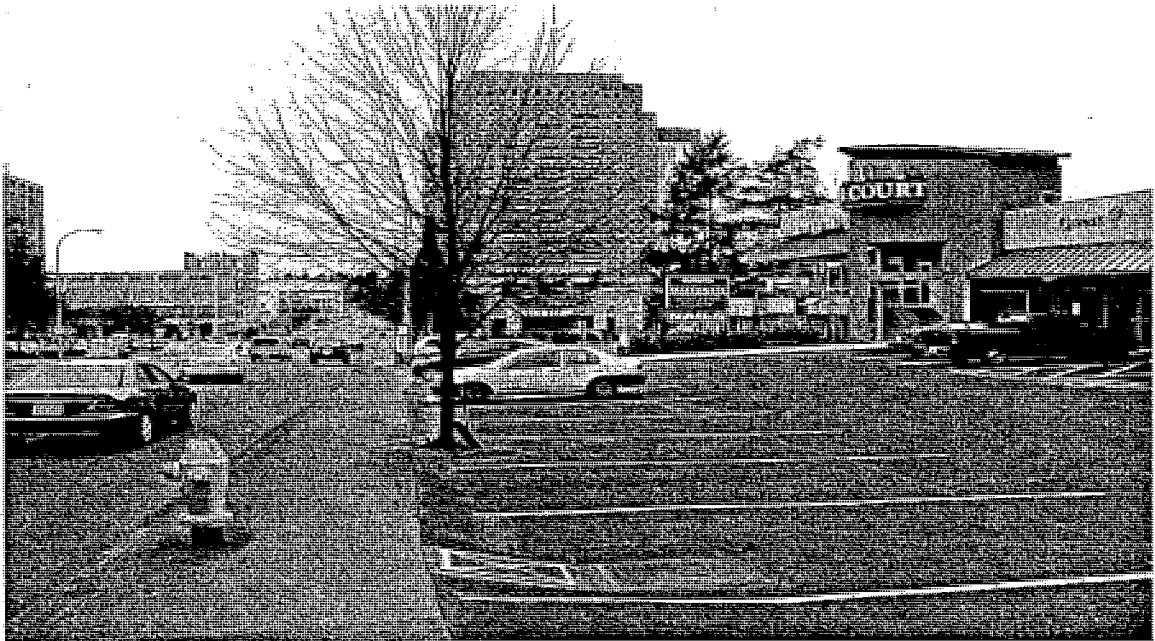


**PHASE II
ENVIRONMENTAL SITE ASSESSMENT**

To:

**WASATCH ACQUISITIONS
& CAPITAL, INC.**

**SUPER BLOCK I SITE
BELLEVUE, Washington**



Submitted by:



March, 2003
03313341000cv01.fh9

Golder Associates Inc.

18300 NE Union Hill Road, Suite 200
Redmond, WA USA 98052-3333
Telephone (425) 883-0777
Fax (425) 882-5498
www.golder.com



REPORT ON

**PHASE II ENVIRONMENTAL SITE ASSESSMENT
SUPERBLOCK - I SITE
BELLEVUE, WASHINGTON**

Submitted to:

*Wasatch Acquisitions & Capital, Inc.
399 North Main, Suite 200
Logan, Utah 84321*

Submitted by:

*Golder Associates Inc.
18300 NE Union Hill Road, Suite 200
Redmond, Washington 98052*

Distribution:

2 Copies - Wasatch Acquisitions & Capital, Inc.
1 Copy - Golder Associates Inc.

March 11, 2003

033-1334
031003wjb1



TABLE OF CONTENTS

1.0 SITE DESCRIPTION.....1

2.0 APPROACH AND SCOPE OF WORK2

 2.1 Geophysical Investigation of UST Location.....2

 2.2 Soil Sampling.....2

 2.3 Sampling Methods3

3.0 RESULTS5

 3.1 Groundwater Analytical Results6

4.0 CONCLUSIONS AND RECOMMENDATIONS7

5.0 STANDARD LIMITATIONS9

6.0 REFERENCES10

LIST OF TABLES

Table 1 Phase II ESA Summary of Soil Gas Survey

Table 2 Phase II ESA Summary of Soil Gas Results

Table 3 Phase II ESA Summary of Groundwater Sample Results

LIST OF FIGURES

Figure 1 Superblock I Location Map

Figure 2 Superblock I Property Map

LIST OF PHOTOGRAPHS

Photograph No. 1-8

LIST OF APPENDICES

Appendix A Golder Field Documentation

Appendix B Laboratory Data

1.0 SITE DESCRIPTION

The Superblock I property is located on the city block defined by NE 8th Street, NE 10th Street, 106th Avenue NE and 108th Avenue NE. The subject property is at the northern margins of the downtown Bellevue area. This is a mixed-use area with high rise buildings, small retail shops, strip malls, office buildings and residential areas.

The term "Superblock - I" is used to denote the major portion of the subject property that covers all of the Superblock property proper, minus the Tinker Toys parcel in the southwest corner of Superblock, at 10610 NE 8th Street. The two site areas are being treated separately for purposes of the Phase II ESA. Findings for Superblock - II site (i.e., Tinker Toys property) will be documented in a second report specific for that parcel of Superblock.

The subject property is at an elevation of approximately 175 feet above sea level. The area is characteristically marked by low hills and valleys. The topographical relief in the area ranges between 25 and 300 feet above sea level. The area around the subject properties is marked by a shallow valley that trends north/south. The subject property is located on a south facing "ridge" of a hillside. The municipal storm water system provides drainage for the majority of the site.

The area topography was formed by glacial activity approximately 10,000 to 15,000 years ago. Till was deposited as ground moraine and commonly ranges from several inches to tens of feet thick (Waldron, 1962). Till is commonly composed of a heterogeneous mixture of light gray silt, sand and gravel, the exact composition of which differs from one location to another. The hydraulic conductivity of till is relatively low, usually on the order of 1×10^{-5} to 1×10^{-8} feet/second. Due to the low hydraulic conductivity of the till, perched groundwater is often found along its upper contact.

Based on borings drilled on the subject property, the site is underlain by a sequence of dense weathered till over very dense unweathered till. Weathered till likely occupies the top three to five feet of the till unit. The weathered till in the Bellevue area is commonly slightly oxidized and generally less dense than the unweathered till. The till is consistently olive gray, and usually characterized as a silty sand with varying amounts of gravel. The till lies on fine to coarse glacial outwash sand deposits that are greater than 25 feet thick.

The regional water table aquifer in the area is reported to be at a depth that ranges between 50 to 75 feet bgs. Based on the topography, regional groundwater flow in the general area is anticipated to be to the southwest toward Lake Washington; although the true groundwater gradient can only be determined through surveying at least 3 groundwater monitoring wells. Only two wells exist in the deeper, regional aquifer at the Superblock I site, so the direction of groundwater flow is not confirmed in the regional aquifer. A small perched aquifer was noted approximately 15 feet bgs on the Superblock II site (i.e. Tinker Toys parcel) but this appears to be localized to that site and may only exist during wet seasons (Ephemeral). Three monitoring wells were installed in the shallow perched zone at the Tinker Toys site. Measurement from these wells show that the shallow, perched groundwater flows to the south and southwest. The depth to the water table and the direction of groundwater flow may fluctuate in response to seasonal recharge, groundwater extraction or injection. As previously mentioned, due to the low hydraulic conductivity of till perched groundwater may be encountered along its upper contacts at shallower depths.

2.0 APPROACH AND SCOPE OF WORK

Golder focused the Phase II ESA on the recognized environmental conditions (RECs) identified in the Phase I ESA for the property, dated July 28, 1998 (Golder 1998). RECs are those considered "risk-driving" for the property, which included the following for the Superblock I portion of the Superblock site:

1. Former dry cleaning establishment located at 10640 NE 8th Street,
2. Current body shop (Greg's Place Body Shop) located at 10650 NE 8th Street,
3. Potential USTs located at 808 106th Avenue NE and 10692 NE 8th Street,
4. Former Rodger's Auto Salon located at 845 108th Avenue NE,
5. Former Auto Mex Auto Sales facility located at 10626 NE 9th Street. and
6. Former residential USTs suspected onsite on NE 9th Street.

The following provides a description of the scope of work established for the Phase II ESA to define the site 'risk-driving' RECs defined at the site.

2.1 Geophysical Investigation of UST Location

Prior to conducting any soil boring activities onsite, Golder contacted Locator Services to have all utilities marked on the pavement of the streets surrounding the site. In addition, a Golder geophysicist visited the site and scanned each planned boring location to detect possible anomalies that may represent buried utilities, USTs, or areas of backfill where a former UST may have been located. Golder conducted the survey using standard magnetometer and ground-penetrating radar survey methods. This method provided an effective screening through a non-intrusive method. The geophysical surveyor marked sampling grids and any other significant features.

2.2 Soil Sampling

We used four methods to collect information regarding subsurface conditions onsite. All sample locations are identified on Figure 2. They include:

1. **Soil Gas Survey** - using temporary soil gas probes at 2 locations in the area between the former dry cleaners at 10640 NE 8th Street and Greg's Place Body Shop at 851 NE 8th Street. A soil gas survey is an effective and cost-efficient way to quickly determine if gasoline-range petroleum and volatile solvent releases have occurred. It is very suitable for the subject property because the area is completely paved and the constituents suspected are volatile. If a release occurred, this method can screen for it, even if the release occurred in a location not immediately proximal to the soil gas probes, an advantage over other investigated methods. One sample was collected from each probe and analyzed by method TO-3 for volatiles. We also collected one ambient sample for background comparison. Each probe was removed at the end of the survey and the patched with concrete grout.
2. **Augured Borings** - in 4 locations around the site. Each boring was placed to determine if releases to subsurface soils have occurred. Each boring was terminated at approximately 22 to 25 feet below ground surface (bgs) at various locations near the former dry cleaners, auto body shop and at two suspected heating oil UST locations. We collected samples at approximately 5-foot intervals and retained suspect samples for laboratory analysis, as necessary. All samples were screened in the field by visual observation, sheen test, and headspace analysis using a photo-ionization detector (PID).

3. **Groundwater sample collection** - from the 2 piezometers Golder installed in 1998 during the geotechnical investigation.

Our rationale for each of these locations was as follows:

Northern Perimeter of 10640 NE 8th Street and Greg's Place Body Shop (851 NE 8th Street). We advanced 2 borings in the area between 10640 NE 8th Street (Bosley's Pet Store) and 851 NE 8th Street (Greg's Place Body Shop). This is a small area where we combined our drilling to address both RECs. The current Bosley's Pet Store site was identified as formerly housing a dry cleaning operation in the 1980s. Additionally, the same interview indicated that a UST had been removed from behind the Bosley's Pet Store building (northern perimeter). Access for drilling was difficult in this area because of overhead and buried utilities.

Suspected USTs at Current Buildings Onsite. We advanced borings at two locations where UST vent pipes were suspected in the Phase I ESA. These buildings (808 106th Avenue NE and 10692 NE 8th Street), near where vent pipes appeared visible. Geophysical survey methods were first used to identify if significant buried anomalies exist in these areas that could be either a UST or an area of backfill where a former UST was located. Because no USTs or areas of former USTs were noted in areas adjacent to the suspected vent pipes, we advanced only one boring in each area to confirm if petroleum releases occurred. Soil samples were collected at 5-foot intervals, logged and screened in the field through a headspace analysis method using a portable photo-ionizing detector (PID)

Suspected USTs at the Former Private Residences on NE 9th Street. These buildings along the northern perimeter of the Superblock site have been demolished and the property regraded. Since regrading appeared to be limited to the top foot or two of soils in these locations, it is possible that USTs, if existent, may not have been encountered during that operation. We proposed to dig test pits using a backhoe to 15 feet bgs in any location where the geophysical survey shows likely anomalies which may be remnant heating oil USTs. However, no USTs or areas of former USTs (backfilled pits) were noted in areas adjacent to the suspected vent pipes during the geophysical survey, and therefore test pits were not advanced.

Groundwater Testing from two Piezometers installed in 1998. We collected samples from the two piezometers located onsite that were installed by Golder during the Geotechnical Investigation in 1998. These two piezometers are installed in the deeper, regional aquifer from 45 to 50 feet bgs. We analyzed these samples for petroleum by NWTPH-HCID.

2.3 Sampling Methods

Soil samples were collected at 5-foot intervals, logged and screened in the field through a headspace analysis method using a PID. We sent at least one sample from each boring to the Onsite Environmental Inc. laboratory in Redmond, Washington for petroleum analysis by method NWTPH-HCID and NWTPH-Diesel Extended. The TPH-HCID method is a qualitative analysis that provides a summary of the type of petroleum and its relative concentration vs. method detection limit. Method NWTPH-DX was conducted for select samples where TPH-HCID identified diesel or oil as present above detection limits.

The soil samples collected in the area behind 10640 NE 8th Street and in front of Greg's Place Body Shop (851 NE 8th Street) were also analyzed for volatile organics by EPA Method 8260 for potential dry cleaning and paint-related solvents and RCRA heavy metals.

Soil sampling conducted during this project was in overall compliance with Golder Technical Procedures TP-2.2-4 (Sampling and Analysis of Soil Gas), TP-1.2-5 (Drilling, Sampling, and Logging of Soils), TP-1.2-6 (Field Identification of Soil), and TP-1.2-23 (Chain of Custody). Sampling equipment decontamination procedures were followed, as outlined in TP-1,2-5, Section 8.2. All sampling equipment was decontaminated prior to use and between samples using an Alconox and tap water wash, tap water rinse, and final distilled/deionized water rinse. All samples were stored in a cooler at 4° C, as outlined in the Golder Technical Procedures TP-1.2-23.

3.0 RESULTS

This section provides a summary of the results of the geophysical investigation, soil gas survey, soil sampling, and groundwater sampling conducted in the Superblock I site. Tables 1 through 3 post the laboratory results and Figure 2 illustrates these areas and sampling locations. Photographs of these areas and sample locations are found in Photograph section of this report.

The following is a summary of each sampling area on Superblock I:

Northern Perimeter of 10640 NE 8th Street and Greg's Place Body Shop (851 NE 8th Street). Soil gas results show that a release of volatile organic chemicals has occurred onsite. The results include relatively low levels of BTEX compounds, acetone, 2-propanol, and ethanol. In addition, low levels of tetrachloroethylene (i.e., PCE) were detected in both soil gas probe locations. Of note, detectable levels of toluene and xylene were detected in the ambient background sample, typical for ambient air in urban areas.

Two soil borings were advanced in this area, boreholes are BH-7 and BH-8. Samples were collected at 5-foot intervals, logged and screened in the field through a headspace analysis method using a portable photo-ionizing detector (PID). Six soil samples were collected and analyzed for petroleum products, volatile organic compounds, and heavy metals (one from each boring). A sample from 7.5 feet below ground surface in borehole BH-7 was tested for a wide array of petroleum products by method TPH-HCID, however no petroleum was detected above instrument detection limits in this sample. Borehole BH-7 is approximately 20 feet west of the suspect release site and topographically downgradient to it, at a ground surface elevation approximately 4 feet lower than at Borehole BH-8. Therefore, this sample (BH7-S2) is approximately 11.5 feet below ground surface relative to the suspect release area. Of note, there was no field evidence of petroleum in the soils at any depth in borehole BH-7. This includes visual evidence, odor or PID readings.

Five samples were collected from Borehole BH-8. This was located in the approximate middle of the suspect release area. These samples showed evidence of diesel no. 2 release from 7.5 feet to 25 feet below ground surface. This is likely due to the former heating oil tank removed from this area (see Phase I ESA conclusions for the site). Petroleum was noted from 7.5 feet bgs to 25 feet bgs, where concentrations dropped significantly to levels slightly above detection limits. It is likely that the release was attributable to the former heating oil tank in this area and evidence shows that soil at 20 feet bgs was at levels below MTCA Method A cleanup criteria. Therefore, the likely depth of contamination above MTCA Method A is approximately 10 to 15 vertical feet from the point of release (app. 7 feet bgs). Other breakdown products of petroleum were noted in the volatile organic results for BH-8 at depths from 7.5 to 20 feet bgs. These mainly include a series of alkylated benzenes.

Only two heavy metals were detected in both samples representative of this area, at BH-8 S-2 and S-3 (i.e., 7.5 and 12.5 feet bgs). These include barium and chromium at levels below MTCA Method A and at levels typically found in natural soils in Puget Sound (DOE, 1994). Barium was detected at 47 and 45 mg/kg, respectively, and chromium at 22 and 21 mg/kg, respectively.

Of note, PCE or its breakdown products were not detected in any of the BH-8 samples from the same general location where PCE was detected in soil gas at low concentrations.

Suspected USTs at 808 106th Avenue NE and 10692 NE 8th Street –

The geophysical investigation showed no evidence of USTs or areas of significant backfill (indicating a former UST) in the areas suspected in the Phase I ESA. However, we advanced borings in these areas in locations as close to the assumed vent pipes as practical, ensuring safe access.

Borehole BH-6 was advanced on the east side of the building at 808 106th Avenue NE. Borehole BH-9 was advanced on the northeast side of the building at 10692 NE 8th Street. Samples were collected at 5-foot intervals, logged and screened in the field through a headspace analysis method using a portable photo-ionizing detector (PID). We analyzed one sample from each boring at 7.5 feet bgs from each borehole and submitted them for analysis for a wide array of petroleum products by method NWTPH-HCID. The results showed that no petroleum was detected above instrument detection limits in both of these samples. The reason for testing at this interval was that it is representative of the approximate depth of maximal impacts from a leaking UST buried at approximately 6 feet bgs although the depth of maximal impacts can vary significantly. In addition, there was no field evidence of petroleum in the soils at any depth in boreholes BH-6 and BH-9. This includes visual evidence, odor or PID readings.

Suspected USTs at the Former Private Residences on NE 9th Street.

These buildings along the northern perimeter of the Superblock site were demolished and the property regarded in 2000. Our geophysical investigation showed no evidence of anomalies consistent with USTs or clear backfilled areas onsite. Therefore since the site had been partially redeveloped and regarded, it is apparent that either USTs were not encountered or, if encountered during regrading, were removed during redevelopment. Therefore no test pits were advanced, since no evidence of contaminant sources could be determined. However it is possible that some petroleum releases have occurred in the past but the locations of these potential heating oil releases are not readily discernible at this time. If any heating oil contamination exists in the area, then identification and removal of this contamination can be addressed during future site redevelopment.

3.1 Groundwater Analytical Results

Groundwater samples were collected from two piezometers located in the northwest and northeast corners of the Superblock I site. The piezometers were installed by Golder in 1998 during the geotechnical investigation for the site. The results are presented in Table 3. Piezometer B-3, located in the northwest corner of the site in the alley east of 860 106th Avenue NE (see photograph no. 8). The watertable in this boring was at approximately 51 feet bgs and had detectable level of oil at 1.7 mg/L, above the MTCA Method A cleanup criteria of 0.5 mg/L. Piezometer B-4 located in the northeastern corner of the site and the groundwater sample collected from this location showed no evidence of petroleum. The watertable at piezometer B-4 was at approximately 67 feet bgs at the testing of January 22, 2003.

4.0 CONCLUSIONS AND RECOMMENDATIONS

The results of the Phase II ESA conducted at Superblock I suggest the following conclusions and recommended follow-up actions:

Northern Perimeter of 10640 NE 8th Street and Greg's Place Body Shop (851 NE 8th Street). There has been a diesel no. 2 (heating oil) release in the area between 10640 NE 8th Street and Greg's Place Body Shop (851 NE 8th Street). This confirms interview data provided in the Phase I ESA for the site indicating that a heating oil UST had been removed that formerly serviced the building at 10640 NE 8th Street, but that some petroleum impacted soils remained in-place. Borehole BH-8 was placed near the area where the former UST was likely located. The vertical depth of these impacts appears to be limited from 7.5 to 25 feet bgs. However, concentrations exceeding MTCA Method A cleanup criteria are likely within an approximately 10 foot vertical depth, from 7.5 to 17.5 feet bgs.

The borehole advanced to the west of this area, BH-7 showed no evidence of diesel impacts in the field at any depth from 7.5 to 22 feet bgs. The sample analyzed from a similar stratigraphic unit to BH-8 S-3 (12.5 feet bgs) was sample BH-7 S-2 (at 7.5 feet bgs). This soil sample was analyzed by TPH-HCID and found to have no evidence of petroleum contamination. Therefore, it appears that the release of petroleum noted in BH-8 has not migrated to the west in this area. Of note, access restrictions from overhead and buried utilities made access to drill at other locations somewhat limited.

It is difficult to assess the full extent of petroleum impacted soils associated with the release associated with the former UST in this area. Evidence suggests that petroleum impacted soil is limited to within approximately 30 feet to the west (at shallower depths), where BH-7 is located, since petroleum was not observed in the field or in the sample analyzed from this borehole. There appears to be no saturated soils perched in the split-spoon samples collected from borehole BH-8 (from 0 to 22.5 feet bgs). However, there could be thin saturated zones in this location that were not observed because of the 5-foot sampling intervals. If perched groundwater exists, it is possible that petroleum could have migrated further laterally and could be below the building at 10640 NE 8th Street. Given the proximity of borehole BH-8 to the rear of the building and that the former UST was also topographically upgradient of the building.

Also PCE was noted in the soil gas analyzed in both soil gas probes located in this area. However the levels were relatively low and PCE or any of its breakdown products were not found in soils collected from this area. This may be attributable to a minor release of solvent near the exterior paint shed. However, given the fact both soil gas probes were located near the paint shed, it may be due to background levels in the ambient environment where paint solvents are stored. PCE was not detected in soils collected from Borehole BH-8 in samples from 7.5, 12.5 and 20 feet bgs. Given that BH-8 is adjacent to the probe with the higher PCE detection (probe SG-7 at 120 ppbv PCE), it appears likely that if any PCE exists in soils, its extent is minor and its concentrations likely below MTCA Method A cleanup criteria.

We recommend that a reasonable approach for the diesel contamination noted in this location is to have a qualified environmental engineering firm monitor soil conditions during future planned redevelopment of the Superblock I site. This is also true for PCE, if soils closer to the paint shed onsite are impacted with PCE. We understand excavation activities are planned for this property for the construction of an underground parking garage. Addressing this issue during future redevelopment activities is the most effective way to determine the full nature and extent of diesel no. 2 (and potentially PCE) impacts in this area since all soils would be exposed during planned

excavation, with the added benefit that all impacted soils would be removed to a licensed landfill concurrently during redevelopment.

Oil-Impacted Groundwater at Piezometer B-3, 860 106th Avenue NE

Groundwater from piezometer B-3 showed impacts from heavy oil, but no other petroleum product at levels above MTCA Method A cleanup criteria for groundwater. However, given that the water from this location was likely from a regional aquifer and no known sources were identified in the Phase I or II ESA, it is possible that the source of this contamination is from an offsite source. No other groundwater impacts were noted on the Superblock I site.

No other impacts from hazardous substances or petroleum products were noted on the Superblock I site.

5.0 STANDARD LIMITATIONS

It is possible that contamination exists onsite that was more extensive or not obvious during the Phase I and II ESAs conducted at the Superblock I site. This is a standard assumption for any commercial property in a central business district, such as the Superblock I site. Some data gaps remain after the Phase II ESA, which could be better defined with additional sampling. However, these reports provide information on the apparent sources of releases on the Superblock I site and the likely nature and extent of those releases. Any additional sampling can be addressed during future planned redevelopment activities onsite that involve building demolition and excavation for installation of a multi-level parking garage.

Samples were not collected from the former Auto Mex Auto Sales facility located at 10626 NE 9th Street because the facility was demolished and no USTs were evident in the area. Any releases from leaking oil pans, etc. from cars were either likely removed during regrading or so minor that they would be considered insignificant surface releases. Potential releases from the former Rodger's Auto Salon located at 845 108th Avenue NE are also likely to be minimal, assuming that surface spills are the only source of release. If any petroleum impacted soils are encountered during future site redevelopment in these areas they should be addressed by a qualified environmental engineering firm at that time and removed from the site to a licensed disposal facility by a qualified contractor. In addition, should petroleum contamination be noted in the area where residences were demolished in 2000 (on NE 9th Street), then these impacted soils should be handled in a similar fashion during site redevelopment.

The Tinker Toys site at 10610 NE 8th Street is part of "Superblock" redevelopment project, but will be considered by itself in a separate report as the Superblock II site. Releases of PCE and some of its degradation products are noted at this site in soil gas, soil, and perched groundwater. However, given that early indications show this perched groundwater flows to the south and southwest, generally away from the subject Superblock I site, impacts from Superblock II to Superblock I are likely minimal, if any. This appears consistent for soil gas and soil samples collected near the eastern perimeter of the Superblock II site (10610 NE 8th Street), where PCE contamination is either non-existent or at low levels.

A report for Superblock II will be submitted in the near future after all Phase II testing has been completed.

6.0 REFERENCES

DOE, Natural Background Soil Metals Concentrations in Washington State, October 1994.

Golder Associates Inc, Phase I Environmental Site Assessment For Super Block, Bellevue, Washington, July 28, 1998.

Waldron, H.H. Des Moines Quadrangle, Washington, U.S. Geological Survey, 1962.

TABLES

Table 1: Superblock I:
Phase II ESA Summary of Soil Gas Survey

SOIL GAS #:	SG-6	SG-7	SG-8
Soil gas located near Borehole indicated	BH-8	BH-8	BH-1
FIELD DESIGNATION:	Soil Gas Sample	Soil Gas Sample	Soil Gas Field Blank
UNITS:	ppbv	ppbv	ppbv
Tetrachloroethene (PCE)	120	4	ND
Trichloroethene (TCE)	ND	ND	ND
Benzene	ND	0.72	ND
Toluene	ND	1.9	12
m,p-Xylene	ND	1.1	7.4
Acetone	NT	4.8	NT
2-Propanol	NT	2.8	NT
Ethanol	NT	19	NT

NOTES:

The location of BH-1(Field Blank) was at the Tinker Toys site.

ND - Not Detected at practical quantitation limit established by laboratory.

NT - Not tested; Analyte was not tested for this sample.

ppbv - Part per billion by volume measurement.

Table 2: Superblock I:
Phase II ESA - Summary of Soil Sample Results.

		MTCA Method A or B Cleanup Criteria	Sample Number								
			Sample Interval	BH-6 S-4	BH-7 S-2	BH-8 S-2	BH-8 S-3	BH-8 S-5	BH-8 S-6	BH-8 S-7	BH-9 S-3
			Depth (ft bgs)	17.5	7.5	7.5	12.5	20	25	27.5	12.5
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
Petroleum											
	TPH-HCID										
	Gasoline	100	ND	ND	ND	ND			ND	ND	
	Diesel	2000	ND	ND	> 56	> 56			ND	ND	
	Oil	2000	ND	ND	ND	>110			ND	ND	
	NWTPH-DX										
	Diesel	2000			3400 ^a	1000 ^a	800	44			
	Oil	2000			ND ^a	150 ^a	ND	ND			
Volatile Organics (8260B Full List)											
	Following are only those that were Detected in Any Sample										
	Tetrachloroethene (PCE)	0.05									
	Trichloroethene (TCE)	0.03									
	(cis) 1,2-Dichloroethene (DCE)	800									
	2-Butanone (aka MEK)	48,000									
	Acetone	800									
	Ethylbenzene	800			0.011	0.0098	0.017				
	Isopropylbenzene	NS			0.014	0.018	0.05				
	n-propylbenzene	NS			0.037	0.037	0.13				
	1,3,5-Trimethylbenzene	NS			0.047	0.072	0.18				
	1,2,4-Trimethylbenzene	NS			0.0084	0.0074	0.12				
	sec-Butylbenzene	NS			0.021	0.037	0.12				
	p-Isopropyltoluene	NS			0.024	0.04	0.13				
	naphthalene	5			0.066	0.029	0.24				

a - Based on an assessment of HCID results, not NWTPH-DX analysis.

RCRA Metals analysis was performed on samples from Boring BH-8, all either non-detect or at natural background levels.

Shaded Cell indicated exceedance of WA State Cleanup Standard (MTCA).

ND - Not detected above the instrument detection limit.

NS - No Standard established by WA State.

Table 3: Superblock I:
Phase II ESA - Summary of Groundwater Sample Results.

			MTCA Method A or B Cleanup Criteria	Sample Number	
				B3-GW1	B4-GW1
Petroleum			(mg/L)	(mg/L)	(mg/L)
	TPH-HCID				
		Gasoline	1	ND	ND
		Diesel	0.5	ND	ND
		Oil	0.5	>0.41	ND
	NWTPH-DX				
		Diesel	0.5	ND	
		Oil	0.5	1.7	

Shaded Value indicates exceedance of WA State Cleanup Standard (MTCA)

FIGURES

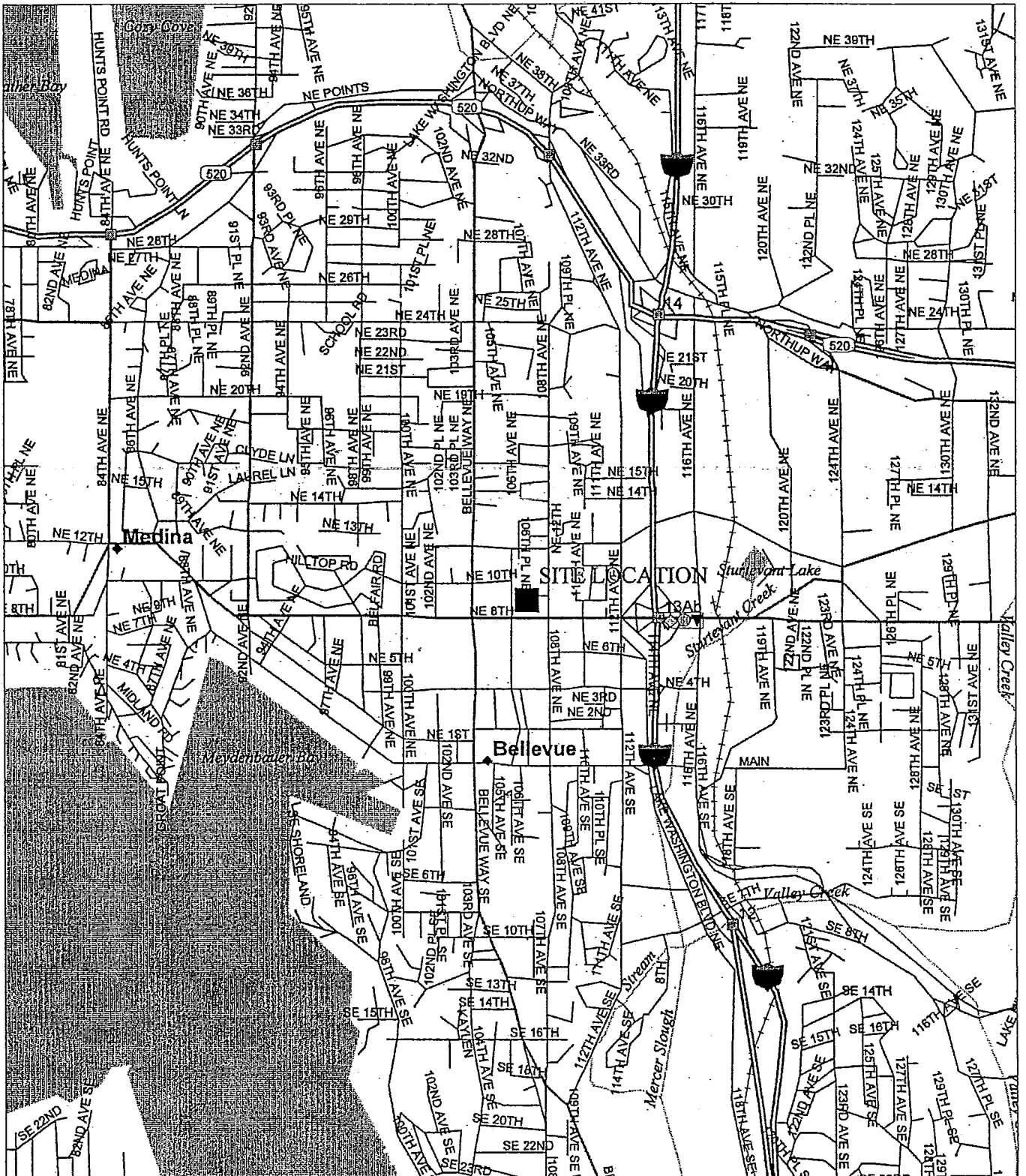
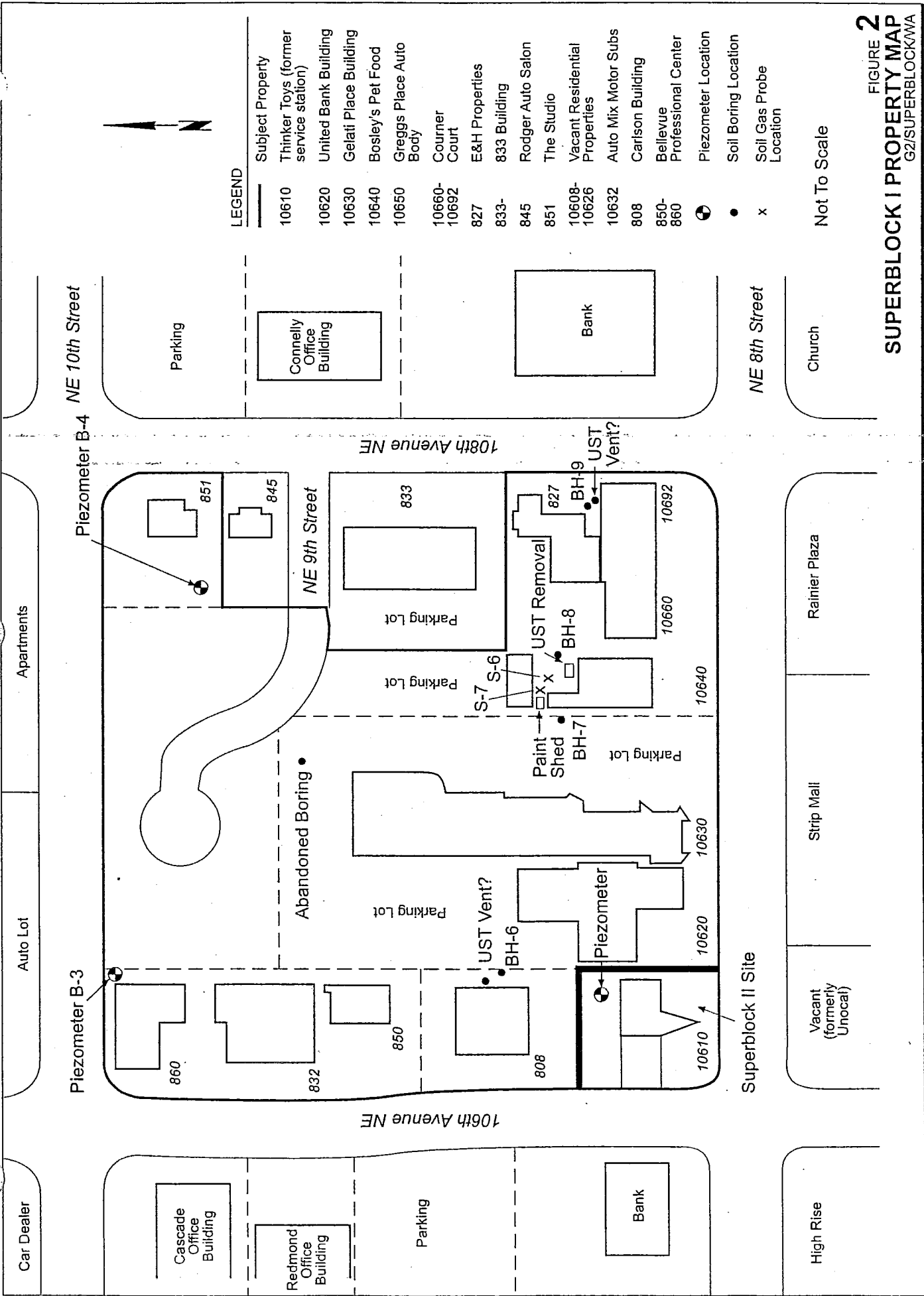


FIGURE 1
SUPERBLOCK I LOCATION MAP
 G2/SUPERBLOCK/WA



LEGEND

- | | |
|-------------|---------------------------------------|
| 10610 | Subject Property |
| 10620 | Thinker Toys (former service station) |
| 10630 | United Bank Building |
| 10640 | Gelati Place Building |
| 10650 | Bosley's Pet Food |
| 10660-10692 | Greggs Place Auto Body |
| 827 | Courner Court |
| 833- | E&H Properties |
| 845 | 833 Building |
| 851 | Rodger Auto Salon |
| 10608-10626 | The Studio |
| 10632 | Vacant Residential Properties |
| 808 | Auto Mix Motor Subs |
| 850-860 | Carlson Building |
| ● | Bellevue Professional Center |
| ● | Piezometer Location |
| ● | Soil Boring Location |
| x | Soil Gas Probe Location |

Not To Scale

FIGURE 2
SUPERBLOCK I PROPERTY MAP
 G2/SUPERBLOCK/WA

Goldner Associates

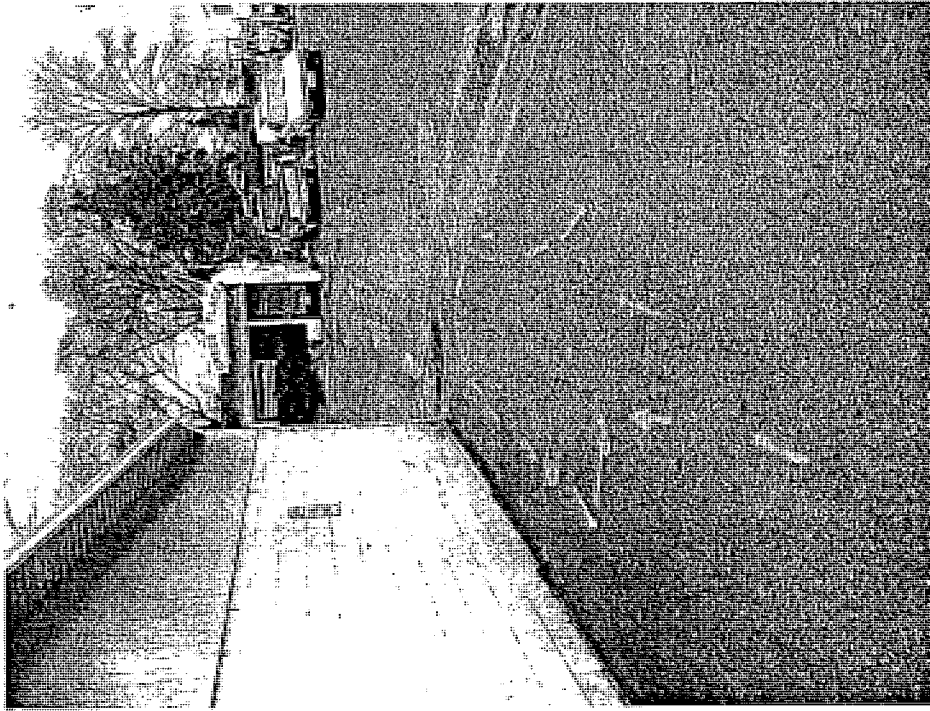
PHOTOGRAPHS



Photograph No. 1: View of southern half of Superblock I site 10640 to 10692 NE 8th St. View looking northwest.



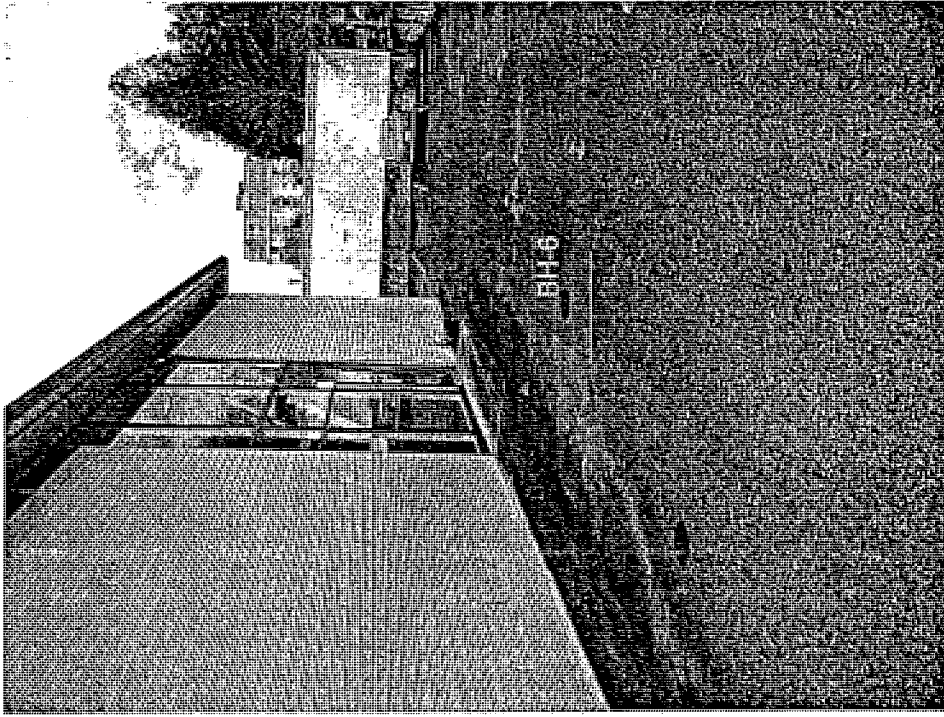
Photograph NO. 2: Gregs Place Auto Body Shop. Borehole BH-8 is in center of photograph. View looking northwest. (See various utility markings on pavement.)



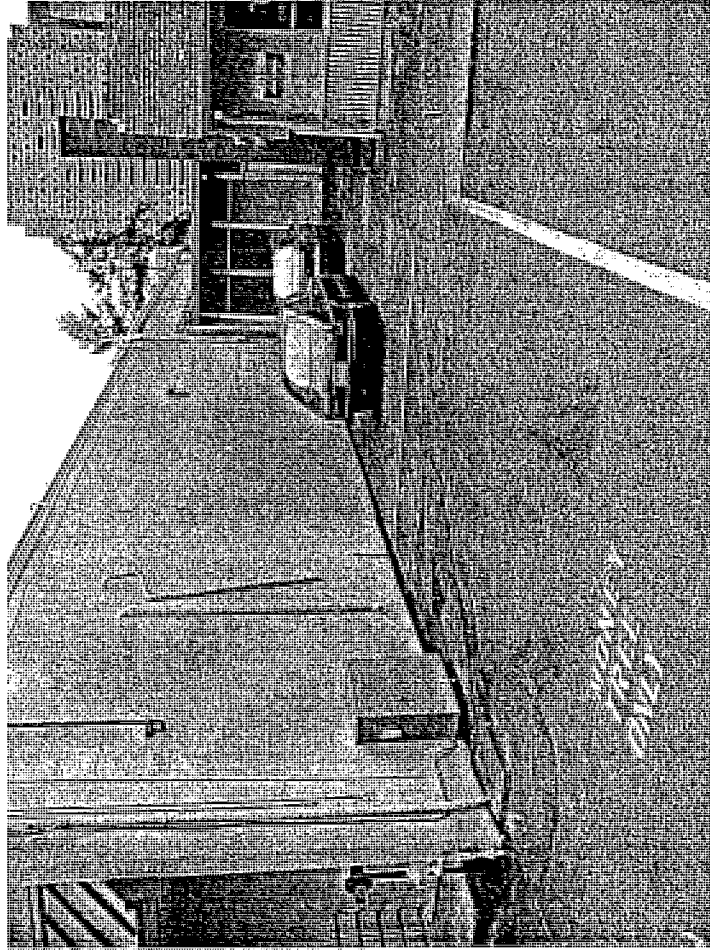
Photograph No. 3: View of Greg's Place Body Shop, behind 10640 NE 8th ST., view looking north. See various utility markings.



Photograph No. 4: View of borehole BH-7 west of Greg's Place Auto Body Shop. View looking northeast.



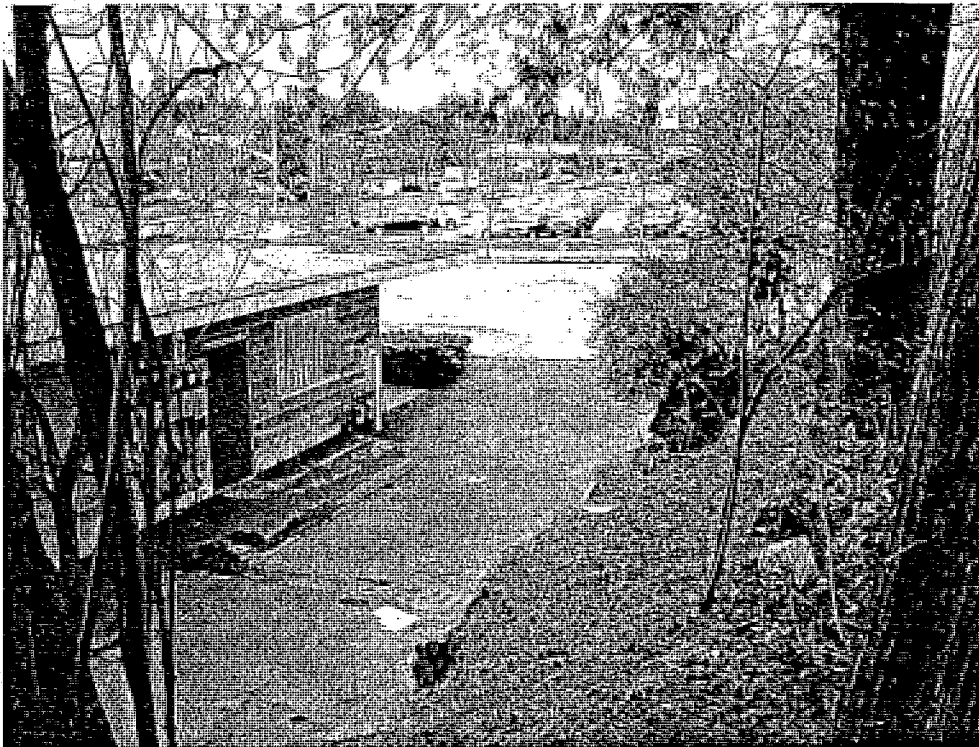
Photograph No. 6: View of borehole BH-6, east side of the 808 106th Av. NE Building. View looking north.



Photograph No. 5: View of sampling area behind the Check Cashing Pay Day Loans store. (10692 NE 8th St.) Borehole BH-9 is located below SAAB automobile. View looking west.



Photograph No. 7: View of former residential area on NE 9th St. View is looking west.



Photograph NO. 8: View of piezometer No. 3 at 860 106th Ave. NE. View is looking northwest.

APPENDIX A

GOLDER FIELD DOCUMENTATION

RECORD OF BOREHOLE # BH 6

SHEET 1 OF 2

STA. _____ OFFSET _____ L R _____
 PROJECT NO. _____
 INCLINATION _____

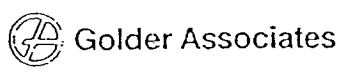
ELEVATION _____
 DRILLING DATE 1-15-03

DATUM _____
 DRILL RIG _____

AZIMUTH E/O Bldg mid block 108th

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE	GRAPHIC LOG	USCS	SAMPLES				SAMPLE DESCRIPTION	NOTES PIEZOMETER STANDPIPE INSTALLATION
		SOIL PROFILE DESCRIPTION			NUMBER	TYPE	BLOWS/6 IN.	RECOVERY		
0		Fill							Asphalt pavement CRB.	back filled w/ Pentonite chips NO INSTALLATION
2.5		Till			1	SS	50-6"	3/6	V. Dense, lt gray, non-strat. Silty F SAND, Tr. f. gravel damp, No odor PID = 0.0 ppm	
7.5					2	SS	50-3"	0/11	Vidense, no recovery no odor, PID = 0.0 ppm cuttings	
12.5					3	SS	50-6"	3/6	V. Dense, lt grayish brown, non-strat. Silty F SAND, Tr. f. gravel damp, no odor, No strat. PID = 0.0	
17.5		wet soils @ 18'			4	SS	50-4"	4/4	V. Dense; lt gray with lt. tan stringers, non-strat, silty F SAND, Tr. f. gravel, wet @ top. No odor. PID = 0.0 ppm NO STRAT.	

DEPTH SCALE
 DRILLING CONTRACTOR *Cascadedrilling*
 DRILLER *Tam...*



LOGGED BY *M. Lumpkin*
 CHECKED _____
 DATE _____

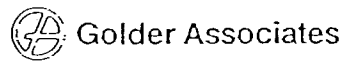
RECORD OF BOREHOLE # BH-7

SHEET 1 OF 2
DATUM
DRILL RIG

STA. _____ OFFSET _____ L R _____ ELEVATION _____
PROJECT NO. _____ DRILLING DATE _____
INCLINATION _____ AZIMUTH *w/o Grigs Auto Body*

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE		GRAPHIC LOG	USCS	SAMPLES			RECOVERY	SAMPLE DESCRIPTION	NOTES — PIEZOMETER — STANDPIPE INSTALLATION
		SOIL PROFILE DESCRIPTION				NUMBER	TYPE	BLOWS/ 6 IN.			
0		<i>at a lot of gravel</i>								Asphalt parking	
5		Ablation Till								greyish brown, sandy f. sandy SILT, tr. gravel cuttings	
7.5		2.5 1330		ML	LSS	16 50-6"	8 12			V. dense, greyish brown, non-stat f. sandy SILT, tr. f. gravel moist damp-moist, no odor DIP = 1.5 (moisture)	
10		7.5 1347		ML	SS	50-5"	5 5			olive gray V. dense, greyish brown, non-stat, f. sandy SILT, tr. f. gravel, moist damp no odor, DIP = 0.0 ppm	
15		12.5 1356		ML	SS	50-5"	4 5			olive gray V. dense, greyish brown, non-stat f. sandy SILT, tr. f. gravel moist, no odor, DIP = 0.0 ppm damp	
										NO odor in cuttings	
		17.5 1409		ML	SS	50-6"	3 6			V. dense, olive gray, non-stat f. sandy SILT, damp NO odor DIP 0.0 ppm	

DEPTH SCALE
DRILLING CONTRACTOR
DRILLER



LOGGED BY
CHECKED
DATE

RECORD OF BOREHOLE # BH1

SHEET 2 OF 2

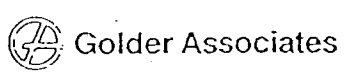
STA. _____ OFFSET L R _____
 PROJECT NO. _____ ELEVATION _____
 INCLINATION _____ AZIMUTH _____

DATUM _____
 DRILLING DATE 1-15-03
 DRILL RIG _____

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE		GRAPHIC LOG	USCS	SAMPLES				SAMPLE DESCRIPTION	NOTES — PIEZOMETER — STANDPIPE INSTALLATION	
		SOIL PROFILE DESCRIPTION				NUMBER	TYPE	BLOWS/ 6 IN.	RECOVERY			
20												
										No odor in cuttings PID=0.00ppm		
			22.5 H19			5	SS	50.6"		V. Dense, olive gray, non-strat sandy SILT, trace fragments, damp. No odor PID = 0.0 ppm		
25												
30												

TD = 23.0'

DEPTH SCALE
 DRILLING CONTRACTOR
 DRILLER



LOGGED BY
 CHECKED
 DATE

RECORD OF BOREHOLE # BH-8

SHEET 1 OF 2

STA. _____ OFFSET _____ L R _____
 PROJECT NO. _____ INCLINATION _____ AZIMUTH _____

ELEVATION _____
 DRILLING DATE 1-15-03

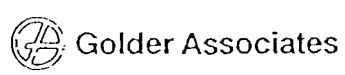
DATUM _____
 DRILL RIG _____

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE	GRAPHIC LOG	USCS	SAMPLES				SAMPLE DESCRIPTION	NOTES PIEZOMETER STANDPIPE INSTALLATION
		SOIL PROFILE DESCRIPTION			NUMBER	TYPE	BLOWS/6 IN.	RECOVERY		
0									Asphalt pavement parking	
1									lt. brown, silty f sand, 141 gal cuttings @ 1.2'	
2.5					1		21 50-6"	12 12	v. Dense, grayish brown & orange mottled, non strat, f sandy SILT, tr. little, f gravel moist, NO odor PID=0.0ppm	
1118									Sample from cuttings composite PID = 14.9 ppm	
7										
7.5					2		22 50-6"	12 12	v. Dense, gray, non strat f sandy SILT, damp tr. f gravel, Petroleum odor, PID 14.9 ppm	
1122									Cuttings odor w/ headspace 27.6 ppm	
12.5					3		55 50-6"	6 6	v. Dense, green w orange mottled spec, sandy SILT, tr. f gravel, moist, odor PID 26.7 ppm	
1132									Cuttings less odor headspace 9.9 ppm 1132	
15									chlorinated odor	
17.5					4		50-5"		v. Dense, NO recovery	
1135									Chlorinated odor in cuttings	
20										

becomes grayer @ 3'
 Petroleum odor * 1118
 Petroleum odor @ 7.0-7.5' * 1122

rough drilling 16.5' 1132 odor
 rough drilling 18.5' 1135

DEPTH SCALE
 DRILLING CONTRACTOR
 DRILLER



LOGGED BY _____
 CHECKED _____
 DATE _____

RECORD OF BOREHOLE # BH-8

SHEET 2 OF 2

STA. _____
PROJECT NO. _____
INCLINATION _____

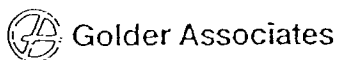
OFFSET _____ L R _____
AZIMUTH _____

ELEVATION _____
DRILLING DATE _____

DATUM _____
DRILL RIG _____

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE	GRAPHIC LOG	USCS	SAMPLES				SAMPLE DESCRIPTION	NOTES PIEZOMETER STANDPIPE INSTALLATION
		SOIL PROFILE DESCRIPTION			NUMBER	TYPE	BLOWS/ 6 IN.	RECOVERY		
20										
11.42		coarse gravel in shoe little recovery	5		5		50-44	1/4	V. dense, gray, non-strat, F. sandy SILT, little gravel, moist, at chlorinated odor @ 21 Faint odor PID 9.5 ppm	
25			6						Slight odor	
25.0										
11.57					6		50-51	2/3	V. dense, gray, non-strat F. sandy SILT, trace F. gravel, moist. Slight chlorinated odor, PID = 10.9 ppm	
27.5					7		50-7	2/2	V. Dense, gray, non strat. F. SANDY SILT moist. No odor, PID = 2.6 ppm	
28.0		TD = 28.0'								

DEPTH SCALE
DRILLING CONTRACTOR
DRILLER



LOGGED BY _____
CHECKED _____
DATE _____

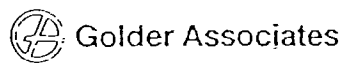
RECORD OF BOREHOLE # BH-9

SHEET 1 OF 2
 DATUM
 DRILL RIG mobile

STA. _____ OFFSET _____ L R _____
 PROJECT NO. _____ ELEVATION _____
 INCLINATION _____ AZIMUTH _____ DRILLING DATE 1-15-03

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE	GRAPHIC LOG	USCS	SAMPLES				SAMPLE DESCRIPTION	NOTES PIEZOMETER STANDPIPE INSTALLATION
		SOIL PROFILE DESCRIPTION			NUMBER	TYPE	BLOWS/6 IN.	RECOVERY		
0		CRB 4" x 6" T Fill							6" concrete slab	
7.5		Topsoil PK Brown weathered horizon 2.5 0932		ML	1	SS	2/19/08	12/12	loose, lt brown, non strat, silty F-SAND, Tr. F. gravel, damp. No odor, PID = 0.0 ppm	
7.5		Overwash 7.5 0932		ML	2	SS	13/23/14	12/12	dense, lt gray & orange mottled, non strat, silty F-SAND, Tr. F. gravel, moist, No odor, PID = 0.0 ppm	
12.5		Becoming moist-wet lt. grayish brown moist Ablation Lignament till 12.5 0936			3	SS	50-6"	4/6	V. dense, lt grayish brown, non strat, silty F-SAND Tr. F. gravel, moist, No odor PID = 1.3 ppm (moisture) cuttings damp-moist, No odor PID = 0.0 ppm	
17.5		harder drilling @ 19 17.5 0938		A	SS	50-6"		4/6	V. Dense, lt grayish brown, non strat, silty F-SAND Tr. F. gravel, moist, No odor. PID = 0.0 ppm cuttings damp-moist No odor PID = 0.0 ppm	

DEPTH SCALE
 DRILLING CONTRACTOR
 DRILLER



LOGGED BY
 CHECKED
 DATE

RECORD OF BOREHOLE # BH-1

SHEET 2 OF 2

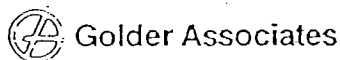
STA. _____ OFFSET _____ L R _____
 PROJECT NO. _____ ELEVATION _____
 INCLINATION _____ AZIMUTH _____

DRILLING DATE 1-15-03

DATUM _____
 DRILL RIG B-61

DEPTH SCALE (FEET)	BORING METHOD	SOIL PROFILE	GRAPHIC LOG	USCS	SAMPLES				SAMPLE DESCRIPTION	NOTES — PIEZOMETER — STANDPIPE INSTALLATION
		SOIL PROFILE DESCRIPTION			NUMBER	TYPE	BLOWS/ 6 IN.	RECOVERY		
20		rough drilling @ 21'								
		22.5 (012)					50.4"			
		TD = 22.75'						V. Dense, gray, non strat, Sandy SILT, moist no odor PID = 0.0 ppm		Tr. p. gravel
25										
30										

DEPTH SCALE
 DRILLING CONTRACTOR
 DRILLER



LOGGED BY _____
 CHECKED _____
 DATE _____

HISTORY OF HOLE

Job No. 033-1334, 1000

Sheet 1 of 1

Geologist M. Lumphkin Date 1-15-03 Boring No. BH-6
 Driller James Surface Elevation _____ Weather Cloudy Temp 43 °F
 Contractor Cascade Drilling Drill Fluid N/A Depth 0 to 22.75
 Location East side office Bldg 108th Type of Barrel 2" SS Casing Size N/A Core Size N/A

BEGINNING OF SHIFT

END OF SHIFT

Time _____ Depth of Hole _____ Time _____ Hrs. Productive _____ Hrs. Delayed _____
 Depth to WL _____ Depth to Casing _____ Depth of Hole _____ Depth of Casing _____ Depth to WL _____

0710 Drillers Arrive

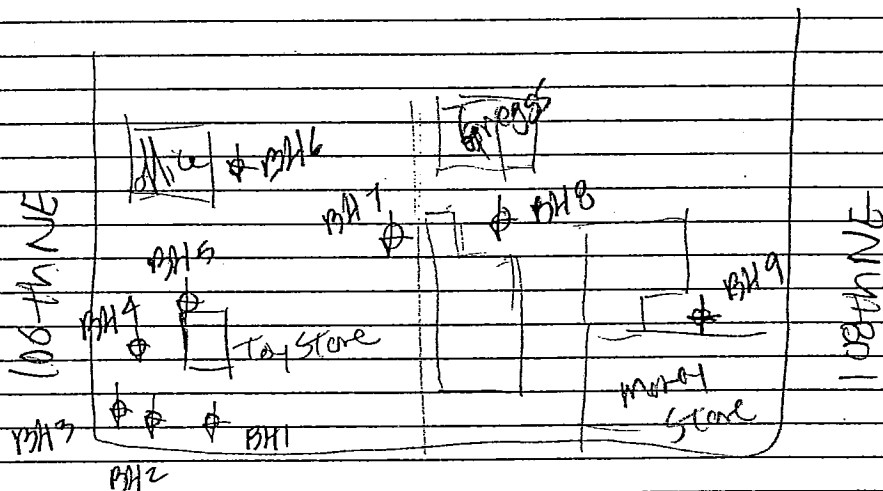
Position and set up at BH-6, East (behind) 2-story office Bldg on 108th.

0738 Begin drilling.

0820 Completed drilling, collected soil samples at 5' intervals beginning at 2.5', Total Depth 22.8', No petroleum impacted soils or groundwater encountered. No problems.

0850 Backfilled hole with bentonite chips

0900 Mobilize to boring BH-9 @ N side of money store SE corner of project site at NE 8th and 108th Ave NE



NE 8th

Boring Locations

Checked by:

Golder Associates

HISTORY OF HOLE

Job No. 033-13341000

Sheet 1 of 1

Geologist M. Lumpkin Date 1-15-03 Boring No. BH-7
 Driller James Surface Elevation _____ Weather cloudy Temp 45 °F
 Contractor Cascade Drilling Drill Fluid — Depth 0 to 23.0
 Location WSW of Greggs A/c Type of Barrel 2"SS Casing Size — Core Size —

BEGINNING OF SHIFT

Time 1320 Depth of Hole 0
 Depth to WL none Depth to Casing —

END OF SHIFT

Time _____ Hrs. Productive _____ Hrs. Delayed _____
 Depth of Hole _____ Depth of Casing _____ Depth to WL _____

1325 Begin drilling BH-7 WSW of Greggs A/c today

1420 Completed drilling. Collected soil samples @ 5' intervals beginning at 2.5'. No groundwater, no odor, no problems.

Pull rods.

1430 Backfill hole w/ chip bentonite

8 bags bentonite

3 bags concrete

Checked by:

HISTORY OF HOLE

Job No. 033-1334.1000

Sheet 1 of

Geologist _____ Date 1-15-03 Boring No. BH-8
 Driller _____ Surface Elevation _____ Weather _____ Temp. _____ °F
 Contractor _____ Drill Fluid _____ Depth _____ to _____
 Location _____ Type of Barrel _____ Casing Size _____ Core Size _____

BEGINNING OF SHIFT		END OF SHIFT		
Time <u>1045</u>	Depth of Hole _____	Time _____	Hrs. Productive _____	Hrs. Delayed _____
Depth to WL _____	Depth to Casing _____	Depth of Hole _____	Depth of Casing _____	Depth to WL _____

1045 Set up at boring location

1104 Begin drilling

1210 Finished drilling. Encountered petroleum odor at ~ 5.0' Bgs and continued until slight odor at 27.5' ft. No odor or PID readings at 27.5', extended the hole by 11 feet to determine bottom of petroleum odor. No recovery at 17.5' resampled at 20.0'.

Highest PID readings ABO performed headspace monitoring between sample intervals. Highest PID readings were 27.6 to 26.7 ppm between 10' and 12.5', Readings of 9.9 to 10.9 between 12.5 and 25.0 feet were measured by headspace.

No groundwater was encountered.

Backfill hole

- 9 bags bentonite
- 3 concrete

1242 Add more to BH-7 west of Auto body

Checked by: _____

Golder Associates

HISTORY OF HOLE

Job No. 033-1334.1000

Sheet 1 of 1

Geologist M. Wimpshuis Date 7-15-03 Boring No. BH-9
Driller Surface Elevation Weather Temp 49 OF
Contractor Drill Fluid Depth to
Location Type of Barrel Casing Size Core Size

BEGINNING OF SHIFT

END OF SHIFT

Time Depth of Hole Time Hrs. Productive Hrs. Delayed
Depth to WL Depth to Casing Depth of Hole Depth of Casing Depth to WL

0910 Set up @ BH-9 North side Meney tree SE corner
of project site. 108th & 8th

0930 Begin drilling

1015 Complete drilling. Collected soil samples @ 5.0' ft.
intervals beginning at 7.5', TP = 22.5', no
petroleum odors staining, no groundwater, no problems
Backfill hole with bentonite chips, no installation
8 bags bentonite.

1040 mobilize to BH-8 @ Gregg's auto body
middle of project site.

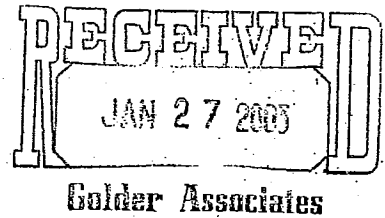
Checked by:

APPENDIX B

LABORATORY DATA



**OnSite
Environmental Inc.**
Analytical Testing and Mobile Laboratory Services



January 24, 2003

Bill Beck
Golder Associates Inc.
18300 NE Union Hill Road
Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project 033-1334.1000
Laboratory Reference No. 0301-063

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on January 15, 2003.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

Case Narrative

Samples were collected on January 15, 2003. Samples were maintained at the laboratory at 4°C and followed SW846 analysis and extraction methods.

NWTPH HCID Analysis

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

Volatiles EPA 8260B Analysis

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

Total Metals EPA 6010B/7471A Analysis

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

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

NWTPH-HCID

Date Extracted: 1-16-03
Date Analyzed: 1-16-03

Matrix: Soil
Units: mg/kg (ppm)

Client ID:	BH-6 S-4	BH7 S-2	BH-8 S2
Lab ID:	01-063-04	01-063-07	01-063-13

Gasoline:	ND	ND	ND
PQL:	22	22	22

Diesel Fuel:	ND	ND	Diesel Fuel #2
PQL:	56	54	56

Lube Oil:	ND	ND	ND
PQL:	110	110	110

Surrogate Recovery:			
o-Terphenyl	110%	115%	119%

Flags:

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

NWTPH-HCID

Date Extracted: 1-16-03
 Date Analyzed: 1-16-03.

Matrix: Soil
 Units: mg/kg (ppm)

Client ID:	BH-8-S3	BH8 S7	BH9 S3
Lab ID:	01-063-14	01-063-18	01-063-21

Gasoline:	ND	ND	ND
PQL:	22	22	22

Diesel Fuel:	Diesel Fuel #2	ND	ND
PQL:	56	54	56

Lube Oil:	Lube Oil	ND	ND
PQL:	110	110	110

Surrogate Recovery:			
o-Terphenyl	106%	106%	107%

Flags:

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

NWTPH-HCID
METHOD BLANK QUALITY CONTROL

Date Extracted: 1-16-03
Date Analyzed: 1-16-03

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0116S1

Gasoline: ND
PQL: 20

Diesel Fuel: ND
PQL: 50

Lube Oil: ND
PQL: 100

Surrogate Recovery:
o-Terphenyl 117%

Flags

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B

Page 1 of 2

Date Extracted: 1-16-03
 Date Analyzed: 1-16-03
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: 01-063-13
 Client ID: BH-8 S2

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0011
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0011
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0056
Iodomethane	ND		0.0056
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0056
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0056
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0056
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0056
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0056
Toluene	ND		0.0011
(trans) 1,3-Dichloropropene	ND		0.0011

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B
 Page 2 of 2

Lab ID: 01-063-13
 Client ID: BH-8 S2

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0056
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.011		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.014		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.037		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.047		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	0.0084		0.0011
sec-Butylbenzene	0.021		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.024		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0056
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0056
Naphthalene	0.066		0.0011
1,2,3-Trichlorobenzene	ND		0.0011

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	103	65-125
Toluene, d8	95	77-116
4-Bromofluorobenzene	103	67-133

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B

Page 1 of 2

Date Extracted: 1-16-03
 Date Analyzed: 1-16-03
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: 01-063-14
 Client ID: BH-8 S3

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0011
Chloromethane	ND		0.0011
Vinyl Chloride	ND		0.0011
Bromomethane	ND		0.0011
Chloroethane	ND		0.0011
Trichlorofluoromethane	ND		0.0011
1,1-Dichloroethene	ND		0.0011
Acetone	ND		0.0056
Iodomethane	ND		0.0056
Carbon Disulfide	ND		0.0011
Methylene Chloride	ND		0.0056
(trans) 1,2-Dichloroethene	ND		0.0011
Methyl t-Butyl Ether	ND		0.0011
1,1-Dichloroethane	ND		0.0011
Vinyl Acetate	ND		0.0056
2,2-Dichloropropane	ND		0.0011
(cis) 1,2-Dichloroethene	ND		0.0011
2-Butanone	ND		0.0056
Bromochloromethane	ND		0.0011
Chloroform	ND		0.0011
1,1,1-Trichloroethane	ND		0.0011
Carbon Tetrachloride	ND		0.0011
1,1-Dichloropropene	ND		0.0011
Benzene	ND		0.0011
1,2-Dichloroethane	ND		0.0011
Trichloroethene	ND		0.0011
1,2-Dichloropropane	ND		0.0011
Dibromomethane	ND		0.0011
Bromodichloromethane	ND		0.0011
2-Chloroethyl Vinyl Ether	ND		0.0056
(cis) 1,3-Dichloropropene	ND		0.0011
Methyl Isobutyl Ketone	ND		0.0056
Toluene	ND		0.0011
(trans) 1,3-Dichloropropene	ND		0.0011

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B

Page 2 of 2

Lab ID: 01-063-14
 Client ID: BH-8 S3

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0011
Tetrachloroethene	ND		0.0011
1,3-Dichloropropane	ND		0.0011
2-Hexanone	ND		0.0056
Dibromochloromethane	ND		0.0011
1,2-Dibromoethane	ND		0.0011
Chlorobenzene	ND		0.0011
1,1,1,2-Tetrachloroethane	ND		0.0011
Ethylbenzene	0.0098		0.0011
m,p-Xylene	ND		0.0022
o-Xylene	ND		0.0011
Styrene	ND		0.0011
Bromoform	ND		0.0011
Isopropylbenzene	0.018		0.0011
Bromobenzene	ND		0.0011
1,1,2,2-Tetrachloroethane	ND		0.0011
1,2,3-Trichloropropane	ND		0.0011
n-Propylbenzene	0.037		0.0011
2-Chlorotoluene	ND		0.0011
4-Chlorotoluene	ND		0.0011
1,3,5-Trimethylbenzene	0.072		0.0011
tert-Butylbenzene	ND		0.0011
1,2,4-Trimethylbenzene	0.0074		0.0011
sec-Butylbenzene	0.037		0.0011
1,3-Dichlorobenzene	ND		0.0011
p-Isopropyltoluene	0.040		0.0011
1,4-Dichlorobenzene	ND		0.0011
1,2-Dichlorobenzene	ND		0.0011
n-Butylbenzene	ND		0.0011
1,2-Dibromo-3-chloropropane	ND		0.0056
1,2,4-Trichlorobenzene	ND		0.0011
Hexachlorobutadiene	ND		0.0056
Naphthalene	0.029		0.0011
1,2,3-Trichlorobenzene	ND		0.0011
	Percent Recovery		Control Limits
Surrogate			
Dibromofluoromethane	94		65-125
Toluene, d8	97		77-116
4-Bromofluorobenzene	98		67-133

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

**VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Date Extracted: 1-16-03
 Date Analyzed: 1-16-03
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: MB0116S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0010
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0010
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acefone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0010
(trans) 1,3-Dichloropropene	ND		0.0010

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

**VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL**

Page 2 of 2

Lab ID: MB0116S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010
Surrogate	Percent Recovery		Control Limits
Dibromofluoromethane	105		65-125
Toluene, d8	96		77-116
4-Bromofluorobenzene	102		67-133

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

**VOLATILES by EPA 8260B
 MS/MSD QUALITY CONTROL**

Date Extracted: 1-16-03
 Date Analyzed: 1-16-03
 Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 01-063-14

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0500	0.0484	97	0.0471	94	22-136	
Benzene	ND	0.0500	0.0588	118	0.0585	117	67-137	
Trichloroethene	ND	0.0500	0.0435	87	0.0429	86	48-149	
Toluene	ND	0.0500	0.0499	100	0.0503	101	48-143	
Chlorobenzene	ND	0.0500	0.0478	96	0.0515	103	69-135	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	2.8	23	
Benzene	0.55	15	
Trichloroethene	1.4	18	
Toluene	0.84	13	
Chlorobenzene	7.5	12	

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

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

Date Extracted: 1-20&21-03
Date Analyzed: 1-21&22-03

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-063-13
Client ID: BH-8 S2

Analyte	Method	Result	PQL
Arsenic	6010B	ND	11
Barium	6010B	47	2.8
Cadmium	6010B	ND	0.56
Chromium	6010B	22	0.56
Lead	6010B	ND	5.6
Mercury	7471A	ND	0.28
Selenium	6010B	ND	11
Silver	6010B	ND	0.56

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

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

Date Extracted: 1-20&21-03
Date Analyzed: 1-21&22-03

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-063-14
Client ID: BH-8 S3

Analyte	Method	Result	PQL
Arsenic	6010B	ND	11
Barium	6010B	45	2.8
Cadmium	6010B	ND	0.56
Chromium	6010B	21	0.56
Lead	6010B	ND	5.6
Mercury	7471A	ND	0.28
Selenium	6010B	ND	11
Silver	6010B	ND	0.56

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

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

Date Extracted: 1-20&21-03
Date Analyzed: 1-21&22-03

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0120S1&MB0121S1

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

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

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

Date Extracted: 1-20&21-03
Date Analyzed: 1-21&22-03

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: 01-086-07

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	29.5	27.7	6.3	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	16.3	16.3	0	0.50	
Lead	ND	ND	NA	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	0.50	

Date of Report: January 24, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334:1000

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

Date Extracted: 1-20&21-03
 Date Analyzed: 1-21&22-03

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 01-086-07

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	82.6	83	85.5	85	3.4	
Barium	100	117	87	119	90	2.2	
Cadmium	50	44.7	89	44.2	88	1.0	
Chromium	100	105	88	106	90	1.4	
Lead	250	220	88	222	89	1.1	
Mercury	1.0	0.952	95	1.01	101	5.5	
Selenium	100	93.4	93	91.2	91	2.4	
Silver	50	41.2	82	41.8	84	1.5	

Date of Report: January 24, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

% MOISTURE

Date Analyzed: 1-16-03

Client ID	Lab ID	% Moisture
BH-6 S-4	01-063-04	10
BH7 S-2	01-063-07	8.0
BH-8 S2	01-063-13	11
BH-8 S3	01-063-14	10
BH8 S7	01-063-18	8.0
BH9 S3	01-063-21	10



Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

D - Data from 1: ____ dilution.

E - The value reported exceeds the quantitation range, and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

O - Hydrocarbons outside the defined gasoline range are present in the sample.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid cleanup procedure.

Z -

ND - Not Detected at PQL

MRL - Method Reporting Limit

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



On-Site Environmental Inc.
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Laboratory Number: **01 - 063**

Company: Golden

Project Number: 033-1334.1000

Project Name: Super block

Project Manager: B.11 Beck

Sampled by: M. Michael Lumpkin

Turnaround Request (in working days):
 Same Day 1 Day
 2 Day 3 Day
 Standard (7 working days)
 (other) _____

Requested Analysis

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont	NWTPH-HCID	NWTPH-GX/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCBs by 8082	Pesticides by 8081	Herbicides by 8151A	Total PCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	% Moisture	
1	BH-6 5-1	1-15-03	0741	Soil	1																	
2	BH-6 5-2		0747		1																	
3	BH-6 5-3		0155		1																	
4	BH-6 5-4		0903		1	X																X
5	BH6 5-5		0810		1																	
6	BH7 5-1		1330		1																	
7	BH7 5-2		1347		1	X																X
8	BH7 5-3		1356		1																	
9	BH7 5-4		1409		1																	
10	BH7 5-5		1419		1																	

Signature: Michael Lumpkin Golden 1-15-03 15:36

Received by: Valley White OnSite Env. 1/15/03 15:36

Relinquished by: _____

Received by: _____

Relinquished by: _____

Received by: _____

Relinquished by: _____

Received by: _____

Reviewed by/Date: _____

Comments/Special Instructions: Analyze marked samples
Hold others pending
results, keep all samples
until notified.

Chromatograms with final report



Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-9881 • Fax: (425) 885-4803

Chain of Custody

Laboratory Number: **01 - 063**

Turnaround Required (in working days)

(Check One)

Same Day 1 Day

2 Day 3 Day

Standard (7 working days)

(other) _____

Company: Golders

Project Number: 033-1334, 1000

Project Name: Super block

Project Manager: Bill Beck

Sampled by: Michael Lundstein

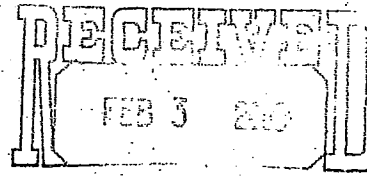
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-G/BTEX	NWTPH-DX	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCBs by 8082	Pesticides by 8081	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	% Moisture	
21	PH 9 53	1-15-03	0946	soil	1	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>
22	PH 9 54		0958		1																	
23	PH 9 55		1012		1																	

Signature	Company	Date	Time	Comments/Special Instructions
<u>Michael J. Jeph.</u>	<u>Golders</u>	1-15-03	15:36	<u>See page 1 for instructions</u>
<u>Bill Beck</u>	<u>White Env.</u>	1/15/03	15:36	
Relinquished by				Chromatograms with final report <input type="checkbox"/>
Received by				
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date				



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services



Golder Associates

January 30, 2003

Bill Beck
Golder Associates Inc.
18300 NE Union Hill Road
Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project 033-1334.1000
Laboratory Reference No. 0301-121

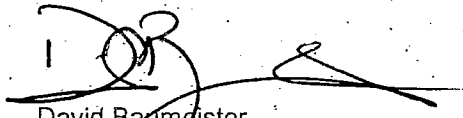
Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on January 23, 2003.

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

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

Sincerely,



David Baumgister
Project Manager

Enclosures

Date of Report: January 30, 2003
Samples Submitted: January 23, 2003
Lab Traveler: 01-121
Project: 033-1334.1000

Case Narrative

Samples were collected on January 22 and 23, 2003. Samples were maintained at the laboratory at 4°C and followed SW846 analysis and extraction methods.

NWTPH HCID Analysis

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

NWTPH Dx Analysis

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

Volatiles EPA 8260B Analysis

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

Date of Report: January 30, 2003
 Samples Submitted: January 23, 2003
 Lab Traveler: 01-121
 Project: 033-1334.1000

NWTPH-HCID

Date Extracted: 1-23-03
 Date Analyzed: 1-23&24-03

Matrix: Water
 Units: mg/L (ppm)

	B2-GW1	B4-GW1	B3-GW1
Client ID:	B2-GW1	B4-GW1	B3-GW1
Lab ID:	01-121-01	01-121-02	01-121-03
Gasoline:	ND	ND	ND
PQL:	0.10	0.11	0.10
Diesel Fuel:	ND	ND	ND
PQL:	0.25	0.27	0.25
Lube Oil:	ND	ND	Lube Oil
PQL:	0.40	0.44	0.41
Surrogate Recovery:			
o-Terphenyl	90%	92%	89%
Flags:			Y

Date of Report: January 30, 2003
Samples Submitted: January 23, 2003
Lab Traveler: 01-121
Project: 033-1334.1000

NWTPH-HCID
METHOD BLANK QUALITY CONTROL

Date Extracted: 1-23-03
Date Analyzed: 1-23-03

Matrix: Water
Units: mg/L (ppm)

Lab ID: MB0123W1

Gasoline: ND
PQL: 0.10

Diesel Fuel: ND
PQL: 0.25

Lube Oil: ND
PQL: 0.40

Surrogate Recovery:
o-Terphenyl 98%

Flags Y

Date of Report: January 30, 2003
Samples Submitted: January 23, 2003
Lab Traveler: 01-121
Project: 033-1334.1000

NWTPH-Dx

Date Extracted: 1-23-03
Date Analyzed: 1-24-03

Matrix: Water
Units: mg/L (ppm)

Client ID: B3-GW1
Lab ID: 01-121-03

Diesel Range: ND
PQL: 0.25
Identification: ---

Lube Oil Range: 1.7
PQL: 0.41
Identification: Lube Oil

Surrogate Recovery
o-Terphenyl: 89%

Flags: Y

Date of Report: January 30, 2003
Samples Submitted: January 23, 2003
Lab Traveler: 01-121
Project: 033-1334.1000

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 1-23-03
Date Analyzed: 1-23-03

Matrix: Water
Units: mg/L (ppm)

Lab ID: MB0123W1

Diesel Range: ND
PQL: 0.25
Identification: ---

Lube Oil Range: ND
PQL: 0.40
Identification: ---

Surrogate Recovery
o-Terphenyl: 98%

Flags: Y

Date of Report: January 30, 2003
Samples Submitted: January 23, 2003
Lab Traveler: 01-121
Project: 033-1334.1000

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 1-23-03
Date Analyzed: 1-23-03

Matrix: Water
Units: mg/L (ppm)

Lab ID: 01-121-01 01-121-01 DUP

Diesel Range: ND ND
PQL: 0.25 0.25

RPD: N/A

Surrogate Recovery
o-Terphenyl: 90% 91%

Flags:

Date of Report: January 30, 2003.
 Samples Submitted: January 23, 2003
 Lab Traveler: 01-121
 Project: 033-1334.1000

VOLATILES by EPA 8260B

page 1 of 2

Date Extracted: 1-24-03
 Date Analyzed: 1-24-03

Matrix: Water
 Units: ug/L (ppb)

Lab ID: 01-121-01
 Client ID: B2-GW1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		0.20
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		0.20
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	0.20		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	1.4		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		0.20
(trans) 1,3-Dichloropropene	ND		0.20

Date of Report: January 30, 2003
 Samples Submitted: January 23, 2003
 Lab Traveler: 01-121
 Project: 033-1334.1000

VOLATILES by EPA-8260B
 page 2 of 2

Lab ID: 01-121-01
 Client ID: B2-GW1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	330		20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	81	71-133
Toluene, d8	98	80-151
4-Bromofluorobenzene	93	75-139

Date of Report: January 30, 2003
 Samples Submitted: January 23, 2003
 Lab Traveler: 01-121
 Project: 033-1334.1000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Date Extracted: 1-24-03
 Date Analyzed: 1-24-03

Matrix: Water
 Units: ug/L (ppb)

Lab ID: MB0124W1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.20
Chloromethane	ND		0.20
Vinyl Chloride	ND		0.20
Bromomethane	ND		0.20
Chloroethane	ND		0.20
Trichlorofluoromethane	ND		0.20
1,1-Dichloroethene	ND		0.20
Acetone	ND		5.0
Iodomethane	ND		1.0
Carbon Disulfide	ND		0.20
Methylene Chloride	ND		1.0
(trans) 1,2-Dichloroethene	ND		0.20
Methyl t-Butyl Ether	ND		0.20
1,1-Dichloroethane	ND		0.20
Vinyl Acetate	ND		1.0
2,2-Dichloropropane	ND		0.20
(cis) 1,2-Dichloroethene	ND		0.20
2-Butanone	ND		5.0
Bromochloromethane	ND		0.20
Chloroform	ND		0.20
1,1,1-Trichloroethane	ND		0.20
Carbon Tetrachloride	ND		0.20
1,1-Dichloropropene	ND		0.20
Benzene	ND		0.20
1,2-Dichloroethane	ND		0.20
Trichloroethene	ND		0.20
1,2-Dichloropropane	ND		0.20
Dibromomethane	ND		0.20
Bromodichloromethane	ND		0.20
2-Chloroethyl Vinyl Ether	ND		1.0
(cis) 1,3-Dichloropropene	ND		0.20
Methyl Isobutyl Ketone	ND		2.0
Toluene	ND		0.20
(trans) 1,3-Dichloropropene	ND		0.20

Date of Report: January 30, 2003
 Samples Submitted: January 23, 2003
 Lab Traveler: 01-121
 Project: 033-1334.1000

VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL
 page 2 of 2

Lab ID: MB0124W1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.20
Tetrachloroethene	ND		0.20
1,3-Dichloropropane	ND		0.20
2-Hexanone	ND		2.0
Dibromochloromethane	ND		0.20
1,2-Dibromoethane	ND		0.20
Chlorobenzene	ND		0.20
1,1,1,2-Tetrachloroethane	ND		0.20
Ethylbenzene	ND		0.20
m,p-Xylene	ND		0.40
o-Xylene	ND		0.20
Styrene	ND		0.20
Bromoform	ND		1.0
Isopropylbenzene	ND		0.20
Bromobenzene	ND		0.20
1,1,2,2-Tetrachloroethane	ND		0.20
1,2,3-Trichloropropane	ND		0.20
n-Propylbenzene	ND		0.20
2-Chlorotoluene	ND		0.20
4-Chlorotoluene	ND		0.20
1,3,5-Trimethylbenzene	ND		0.20
tert-Butylbenzene	ND		0.20
1,2,4-Trimethylbenzene	ND		0.20
sec-Butylbenzene	ND		0.20
1,3-Dichlorobenzene	ND		0.20
p-Isopropyltoluene	ND		0.20
1,4-Dichlorobenzene	ND		0.20
1,2-Dichlorobenzene	ND		0.20
n-Butylbenzene	ND		0.20
1,2-Dibromo-3-chloropropane	ND		1.0
1,2,4-Trichlorobenzene	ND		0.20
Hexachlorobutadiene	ND		0.20
Naphthalene	ND		1.0
1,2,3-Trichlorobenzene	ND		0.20

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	75	71-133
Toluene, d8	98	80-151
4-Bromofluorobenzene	82	75-139

Date of Report: January 30, 2003
 Samples Submitted: January 23, 2003
 Lab Traveler: 01-121
 Project: 033-1334.1000

**VOLATILES by EPA 8260B
 SB/SBD QUALITY CONTROL**

Date Extracted: 1-24-03
 Date Analyzed: 1-24-03

Matrix: Water
 Units: ug/L (ppb)

Lab ID: SB0124W1

Compound	Spike Amount	SB	Percent Recovery	SBD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	10.0	7.40	74	7.16	72	69-113	
Benzene	10.0	8.45	84	9.04	90	71-128	
Trichloroethene	10.0	11.0	110	11.4	114	82-122	
Toluene	10.0	11.6	116	11.5	115	54-118	
Chlorobenzene	10.0	10.3	103	10.1	101	85-103	
		RPD					
	RPD	Limit	Flags				
1,1-Dichloroethene	3.2	15					
Benzene	6.7	9.6					
Trichloroethene	3.4	12					
Toluene	0.68	15					
Chlorobenzene	2.1	5.8					



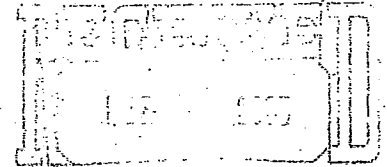
Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
 - B - The analyte indicated was also found in the blank sample.
 - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
 - D - Data from 1:____ dilution.
 - E - The value reported exceeds the quantitation range, and is an estimate.
 - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
 - G - Insufficient sample quantity for duplicate analysis.
 - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
 - I - Compound recovery is outside of the control limits.
 - J - The value reported was below the practical quantitation limit. The value is an estimate.
 - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
 - L - The RPD is outside of the control limits.
 - M - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
 - O - Hydrocarbons outside the defined gasoline range are present in the sample.
 - P - The RPD of the detected concentrations between the two columns is greater than 40.
 - Q - Surrogate recovery is outside of the control limits.
 - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
 - T - The sample chromatogram is not similar to a typical _____.
 - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
 - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
 - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
 - X - Sample extract treated with a silica gel cleanup procedure.
 - Y - Sample extract treated with an acid cleanup procedure.
 - Z -
- ND - Not Detected at PQL
 MRL - Method Reporting Limit
 PQL - Practical Quantitation Limit
 RPD - Relative Percent Difference



**OnSite
Environmental Inc.**

Analytical Testing and Mobile Laboratory Services



Golder Associates

February 3, 2003

Bill Beck
Golder Associates Inc.
18300 NE Union Hill Road
Suite 200
Redmond, WA 98052-3333

Re: Analytical Data for Project 033-1334.1000
Laboratory Reference No. 0301-063

Dear Bill:

Enclosed are the analytical results and associated quality control data for samples submitted on January 15, 2003.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures

Date of Report: February 3, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

Case Narrative

Samples were collected on January 15, 2003. Samples were maintained at the laboratory at 4°C and followed SW846 analysis and extraction methods.

NWTPH Dx Analysis

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

Volatiles EPA 8260B Analysis

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

Date of Report: February 3, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334,1000

NWTPH-Dx

Date Extracted: 1-29-03
Date Analyzed: 1-29-03

Matrix: Soil
Units: mg/Kg (ppm)

Client ID:	BH-8 S5	BH8 S6
Lab ID:	01-063-16	01-063-17

Diesel Range:	800	44
PQL:	28	28
Identification:	Diesel Fuel#2	Diesel Fuel#2

Lube Oil Range:	ND	ND
PQL:	55	56
Identification:	---	---

Surrogate Recovery		
o-Terphenyl:	78%	69%

Flags:

Date of Report: February 3, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

NWTPH-Dx
METHOD BLANK QUALITY CONTROL

Date Extracted: 1-29-03
Date Analyzed: 1-29-03

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: MB0129S1

Diesel Range: ND
PQL: 25
Identification: ---

Lube Oil Range: ND
PQL: 50
Identification: ---

Surrogate Recovery
o-Terphenyl: 88%

Flags:

Date of Report: February 3, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

NWTPH-Dx
DUPLICATE QUALITY CONTROL

Date Extracted: 1-29-03
Date Analyzed: 1-29-03

Matrix: Soil
Units: mg/Kg (ppm)

Lab ID: 01-063-17 01-063-17 DUP

Diesel Range: 39.3 38.7

PQL: 25 25

RPD: 1.5

Surrogate Recovery

o-Terphenyl: 69% 75%

Flags:

Date of Report: February 3, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B

Page 1 of 2

Date Extracted: 1-29-03
 Date Analyzed: 1-29-03
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: 01-063-16
 Client ID: BH-8 S5

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.011
Chloromethane	ND		0.011
Vinyl Chloride	ND		0.011
Bromomethane	ND		0.011
Chloroethane	ND		0.011
Trichlorofluoromethane	ND		0.011
1,1-Dichloroethene	ND		0.011
Acetone	ND		0.055
Iodomethane	ND		0.055
Carbon Disulfide	ND		0.011
Methylene Chloride	ND		0.055
(trans) 1,2-Dichloroethene	ND		0.011
Methyl t-Butyl Ether	ND		0.011
1,1-Dichloroethane	ND		0.011
Vinyl Acetate	ND		0.055
2,2-Dichloropropane	ND		0.011
(cis) 1,2-Dichloroethene	ND		0.011
2-Butanone	ND		0.055
Bromochloromethane	ND		0.011
Chloroform	ND		0.011
1,1,1-Trichloroethane	ND		0.011
Carbon Tetrachloride	ND		0.011
1,1-Dichloropropene	ND		0.011
Benzene	ND		0.011
1,2-Dichloroethane	ND		0.011
Trichloroethene	ND		0.011
1,2-Dichloropropane	ND		0.011
Dibromomethane	ND		0.011
Bromodichloromethane	ND		0.011
2-Chloroethyl Vinyl Ether	ND		0.055
(cis) 1,3-Dichloropropene	ND		0.011
Methyl Isobutyl Ketone	ND		0.055
Toluene	ND		0.011
(trans) 1,3-Dichloropropene	ND		0.011

Date of Report: February 3, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B
 Page 2 of 2

Lab ID: 01-063-16
 Client ID: BH-8 S5

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.011
Tetrachloroethene	ND		0.011
1,3-Dichloropropane	ND		0.011
2-Hexanone	ND		0.055
Dibromochloromethane	ND		0.011
1,2-Dibromoethane	ND		0.011
Chlorobenzene	ND		0.011
1,1,1,2-Tetrachloroethane	ND		0.011
Ethylbenzene	0.017		0.011
m,p-Xylene	ND		0.022
o-Xylene	ND		0.011
Styrene	ND		0.011
Bromoform	ND		0.011
Isopropylbenzene	0.050		0.011
Bromobenzene	ND		0.011
1,1,2,2-Tetrachloroethane	ND		0.011
1,2,3-Trichloropropane	ND		0.011
n-Propylbenzene	0.13		0.011
2-Chlorotoluene	ND		0.011
4-Chlorotoluene	ND		0.011
1,3,5-Trimethylbenzene	0.18		0.011
tert-Butylbenzene	ND		0.011
1,2,4-Trimethylbenzene	0.12		0.011
sec-Butylbenzene	0.12		0.011
1,3-Dichlorobenzene	ND		0.011
p-Isopropyltoluene	0.13		0.011
1,4-Dichlorobenzene	ND		0.011
1,2-Dichlorobenzene	ND		0.011
n-Butylbenzene	ND		0.011
1,2-Dibromo-3-chloropropane	ND		0.055
1,2,4-Trichlorobenzene	ND		0.011
Hexachlorobutadiene	ND		0.055
Naphthalene	0.24		0.011
1,2,3-Trichlorobenzene	ND		0.011
	Percent Recovery		Control Limits
Surrogate			
Dibromofluoromethane	113		65-125
Toluene, d8	99		77-116
4-Bromofluorobenzene	106		67-133

Date of Report: February 3, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B
METHOD BLANK QUALITY CONTROL

Page 1 of 2

Date Extracted: 1-29-03
 Date Analyzed: 1-29-03
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: MB0129S1

Compound	Results	Flags	PQL
Dichlorodifluoromethane	ND		0.0010
Chloromethane	ND		0.0010
Vinyl Chloride	ND		0.0010
Bromomethane	ND		0.0010
Chloroethane	ND		0.0010
Trichlorofluoromethane	ND		0.0010
1,1-Dichloroethene	ND		0.0010
Acetone	ND		0.0050
Iodomethane	ND		0.0050
Carbon Disulfide	ND		0.0010
Methylene Chloride	ND		0.0050
(trans) 1,2-Dichloroethene	ND		0.0010
Methyl t-Butyl Ether	ND		0.0010
1,1-Dichloroethane	ND		0.0010
Vinyl Acetate	ND		0.0050
2,2-Dichloropropane	ND		0.0010
(cis) 1,2-Dichloroethene	ND		0.0010
2-Butanone	ND		0.0050
Bromochloromethane	ND		0.0010
Chloroform	ND		0.0010
1,1,1-Trichloroethane	ND		0.0010
Carbon Tetrachloride	ND		0.0010
1,1-Dichloropropene	ND		0.0010
Benzene	ND		0.0010
1,2-Dichloroethane	ND		0.0010
Trichloroethene	ND		0.0010
1,2-Dichloropropane	ND		0.0010
Dibromomethane	ND		0.0010
Bromodichloromethane	ND		0.0010
2-Chloroethyl Vinyl Ether	ND		0.0050
(cis) 1,3-Dichloropropene	ND		0.0010
Methyl Isobutyl Ketone	ND		0.0050
Toluene	ND		0.0010
(trans) 1,3-Dichloropropene	ND		0.0010

Date of Report: February 3, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

VOLATILES by EPA 8260B
 METHOD BLANK QUALITY CONTROL

Page 2 of 2

Lab ID: MB0129S1

Compound	Results	Flags	PQL
1,1,2-Trichloroethane	ND		0.0010
Tetrachloroethene	ND		0.0010
1,3-Dichloropropane	ND		0.0010
2-Hexanone	ND		0.0050
Dibromochloromethane	ND		0.0010
1,2-Dibromoethane	ND		0.0010
Chlorobenzene	ND		0.0010
1,1,1,2-Tetrachloroethane	ND		0.0010
Ethylbenzene	ND		0.0010
m,p-Xylene	ND		0.0020
o-Xylene	ND		0.0010
Styrene	ND		0.0010
Bromoform	ND		0.0010
Isopropylbenzene	ND		0.0010
Bromobenzene	ND		0.0010
1,1,2,2-Tetrachloroethane	ND		0.0010
1,2,3-Trichloropropane	ND		0.0010
n-Propylbenzene	ND		0.0010
2-Chlorotoluene	ND		0.0010
4-Chlorotoluene	ND		0.0010
1,3,5-Trimethylbenzene	ND		0.0010
tert-Butylbenzene	ND		0.0010
1,2,4-Trimethylbenzene	ND		0.0010
sec-Butylbenzene	ND		0.0010
1,3-Dichlorobenzene	ND		0.0010
p-Isopropyltoluene	ND		0.0010
1,4-Dichlorobenzene	ND		0.0010
1,2-Dichlorobenzene	ND		0.0010
n-Butylbenzene	ND		0.0010
1,2-Dibromo-3-chloropropane	ND		0.0050
1,2,4-Trichlorobenzene	ND		0.0010
Hexachlorobutadiene	ND		0.0050
Naphthalene	ND		0.0010
1,2,3-Trichlorobenzene	ND		0.0010

Surrogate	Percent Recovery	Control Limits
Dibromofluoromethane	111	65-125
Toluene, d8	95	77-116
4-Bromofluorobenzene	104	67-133

Date of Report: February 3, 2003
 Samples Submitted: January 15, 2003
 Lab Traveler: 01-063
 Project: 033-1334.1000

**VOLATILES by EPA 8260B
 MS/MSD QUALITY CONTROL**

Date Extracted: 1-29-03
 Date Analyzed: 1-29-03

Matrix: Soil
 Units: mg/kg (ppm)

Lab.ID: 01-054-09

Compound	Sample Amount	Spike Amount	MS	Percent Recovery	MSD	Percent Recovery	Recovery Limits	Flags
1,1-Dichloroethene	ND	0.0500	0.0573	115	0.0584	117	22-136	
Benzene	ND	0.0500	0.0582	116	0.0587	117	67-137	
Trichloroethene	ND	0.0500	0.0401	80	0.0411	82	48-149	
Toluene	0.00363	0.0500	0.0486	90	0.0465	86	48-143	
Chlorobenzene	ND	0.0500	0.0482	96	0.0468	94	69-135	

	RPD	RPD Limit	Flags
1,1-Dichloroethene	1.9	23	
Benzene	0.76	15	
Trichloroethene	2.5	18	
Toluene	4.4	13	
Chlorobenzene	2.9	12	

Date of Report: February 3, 2003
Samples Submitted: January 15, 2003
Lab Traveler: 01-063
Project: 033-1334.1000

% MOISTURE

Date Analyzed: 1-29-03

Client ID	Lab ID	% Moisture
BH-8 S5	01-063-16	9.0
BH-8 S6	01-063-17	10



Data Qualifiers and Abbreviations

A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.

B - The analyte indicated was also found in the blank sample.

C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.

D - Data from 1: _____ dilution.

E - The value reported exceeds the quantitation range, and is an estimate.

F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.

G - Insufficient sample quantity for duplicate analysis.

H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.

I - Compound recovery is outside of the control limits.

J - The value reported was below the practical quantitation limit. The value is an estimate.

K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

L - The RPD is outside of the control limits.

M - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.

O - Hydrocarbons outside the defined gasoline range are present in the sample.

P - The RPD of the detected concentrations between the two columns is greater than 40.

Q - Surrogate recovery is outside of the control limits.

S - Surrogate recovery data is not available due to the necessary dilution of the sample.

T - The sample chromatogram is not similar to a typical _____.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.

W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.

X - Sample extract treated with a silica gel cleanup procedure.

Y - Sample extract treated with an acid cleanup procedure.

Z -

ND - Not Detected at PQL

MRL - Method Reporting Limit

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



OnSite Environmental Inc.
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Laboratory Number: **01-063**

Company: Goldner
 Project Number: 033-133A-1000
 Project Name: Super block
 Project Manager: Bill Beck
 Sampled by: Michael Lundstein

Impending Expires (in working days)
 Same Day 1 Day
 2 Day 3 Day
 Standard (7 working days)
 (other) _____

Requested Analysis

Requested Analysis	NWTFH-HCID	NWTFH-GX/BTEX	NWTFH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C	PCB's by 8082	Pesticides by 8081	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	% Moisture	
	<input checked="" type="checkbox"/>																<input checked="" type="checkbox"/>

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.
21	PH 9 53	1-15-03	0946	soil	1
22	PH 9 54		0958		1
23	PH 9 55		1012		1

Signature	Company	Date	Time	Comments/Special Instructions
<u>Richard Lupton</u>	<u>Goldner</u>	1-15-03	15:36	<u>See page 1 for instructions</u>
<u>Richard Lupton</u>	<u>OnSite Env.</u>	1/15/03	15:36	
Relinquished by				
Received by				
Relinquished by				
Received by				
Relinquished by				
Received by				
Reviewed by/Date				Chromatograms with final report <input type="checkbox"/>



SoundEarth Strategies, Inc.
2811 Fairview Avenue East, Suite 2000
Seattle, Washington 98102

June 14, 2011

Mr. Shawn Parry
Touchstone Corporation
2025 First Avenue, Suite 1212
Seattle, Washington 98121

SUBJECT: SUMMARY OF SUPPLEMENTAL SUBSURFACE INVESTIGATION ACTIVITIES
Former Town & Country Cleaners
10640–10650 Northeast 8th Street
Bellevue, Washington
Project Number: 0731-006

Dear Mr. Parry:

SoundEarth Strategies, Inc. (SoundEarth) has prepared this summary letter to document the results of activities completed by SoundEarth at the former Town & Country Cleaners property located at 10640-10650 Northeast 8th Street in Bellevue, Washington (hereinafter referred to as the Property). The location of the Property is depicted on Figure 1. According to Puget Sound Regional Archive records and reverse city directories, the Property operated as a dry cleaning facility under the names One-Hour Martinizing and Town & County Cleaners from 1955 through at least 1977 at the address 10644 Northeast 8th Street. A Phase I Environmental Site Assessment (ESA) completed by Golder Associates (Golder) in 1998 indicated that an automotive repair facility (Gregg's Place Auto Body Shop) operated on the northern portion of the Property (10650 Northeast 8th Street) at the time the report was prepared, and that a dry cleaner reportedly operated at the Property, although the presence of the dry cleaning facility was not confirmed. At least one underground storage tank (UST) associated with a former oil-burning furnace was located on the Property. The UST was removed before 2003.

A Phase II ESA was completed by Golder in 2003 to evaluate the potential for a release at the Property. Two borings (BH-7 and BH-8) were advanced to the north and west of the building, and two soil gas samples (S-6 and S-7) were collected and analyzed for the presence of volatile organic compounds (VOCs; Figure 2). The results of the investigation indicated that elevated concentrations of diesel-range petroleum hydrocarbons (DRPH) were present in the soil samples collected from BH-8, and detectable (but unitless) concentrations of tetrachloroethene (PCE) were detected in soil gas samples S-6 and S-7 (Figure 2). No groundwater samples were collected during the investigation.

A Limited Subsurface Investigation was completed by SoundEarth on March 28, 2011, as part of due diligence activities being conducted for a potential real estate transaction. Four soil borings (B01, B02, B03, and B04; Figure 2) were advanced in the vicinity of the former UST, and two reconnaissance groundwater samples were collected from borings B02 and B04. Based on the results of the investigation, it appears as though a release from the former UST could be acting as an ongoing source of petroleum hydrocarbon contamination to soil and groundwater. In addition, elevated concentrations

of chlorinated solvents were present in groundwater samples collected from borings B02 and B04. The source of the chlorinated solvents in groundwater could not be confirmed.

In order to support decisions associated with the potential Property transaction, SoundEarth prepared a scope of work to evaluate (1) the potential for widespread soil contamination beneath the existing building and (2) off-Property groundwater impacts resulting from the historical use of the Property. The results of the supplemental subsurface investigation activities are described below.

SUPPLEMENTAL SUBSURFACE INVESTIGATION

The following subsections describe the field activities conducted to meet the objectives of the supplemental subsurface investigation conducted by SoundEarth in May 2011.

Field Program

The scope of work associated with the supplemental subsurface investigation included the following:

- Preparing a health and safety plan in accordance with Washington State Model Toxics Control Act (MTCA) and Part 1910.120 of Title 29 of the Code of Federal Regulations before initiating field activities.
- Performing a utility locate at the proposed boring locations using a private utility location service and contacting the One-Call Center for utility location.
- Advancing six soil borings (B05 through B10) on the Property; three soil borings advanced at a 45-degree angle (B05, B06, and B07) surrounding and beneath the former dry cleaner building, and three soil borings (B08, B09, and B10) along the southern Property boundary (Figure 2).
- Completing the three borings advanced along the southern Property boundary as permanent monitoring wells MW01, MW02, and MW03.
- Submitting select soil samples for laboratory analysis.
- Surveying the locations and elevations of the groundwater wells.
- Collecting groundwater samples from MW01, MW02, and MW03 following well development and submitting the samples for laboratory analysis.
- Preparing this report.

A detailed description of the supplemental subsurface investigation activities is provided in the following subsections.

Field Activities

The activities conducted as part of this investigation were performed on May 5 through May 11, 2011. Drilling activities were conducted under the supervision of a SoundEarth geologist. Before investigation activities were initiated, a private utility location survey was conducted by Underground Detection Services of Seattle, Washington. Drilling services were provided by Cascade Drilling, LP, of Woodinville, Washington.

Soil Sample Collection

Six soil borings (B05 through B10) were advanced at the Property to a maximum depth of 57.5 feet below ground surface (bgs; Figure 2). Borings B05 through B07 were advanced at 45-degree angles beneath the north and east sides of the existing building. Borings B08, B09, and B10 were advanced along the Northeast 8th Street right-of-way (ROW) on the southern boundaries of the Property and west-adjointing property.

The soil borings were advanced using a full-size hollow-stem auger drill rig. Boring B05 was sampled continuously from 0 feet to its total depth of 40.5 feet bgs. Boring B06 was sampled at approximately 5-foot intervals from 0 to 35 feet bgs and continuously from 35 to 48.5 feet bgs. Boring B07 was sampled at approximately 5-foot intervals from 0 to 20 feet bgs and continuously to its total depth of 56 feet bgs. Borings B08 and B10 were sampled at approximately 5-foot intervals from 20 feet bgs to their total depth of 55.5 and 44.5 feet bgs, respectively, while boring B09 was sampled at approximately 5-foot intervals from 5 feet bgs to its total depth of 44.5 feet bgs.

After the maximum depth was achieved in each sample interval, relatively undisturbed, discrete soil samples were collected. The soil was classified using the Unified Soil Classification System. Soil characteristics, including moisture content, relative density, texture, and color, were recorded on boring logs, copies of which are provided as Attachment A. The depths at which changes in soil lithology were observed and where groundwater was first encountered are also included on the boring logs. Selected portions of recovered soil core samples were placed in a plastic bag so the presence or absence of volatile organic compounds could be quantified using a photoionization detector (PID). Soil samples were selected for analysis based on field indications of potential contamination, including visual and olfactory notations, PID readings, and/or the location of the sample proximate to the soil-groundwater interface. Soil samples selected for laboratory chemical analysis were placed into laboratory-prepared glassware in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A guidelines.

Soil borings B08, B09, and B10 were completed as permanent monitoring wells MW01, MW02, and MW03, respectively (Figure 2). Well screens were set based on information regarding depth to water observed during the initial investigation conducted by SoundEarth in April 2011, as well as on the field observations during drilling. In monitoring well MW01, the permeable screen was set from 25 to 40 feet bgs based on observations from previous field activities, which indicated that groundwater would be encountered at depths of 30 to 35 feet bgs. However, when we returned to the Property following well construction and completion, depth to groundwater in MW01 was observed at 14.23 feet bgs. Therefore, screens were set at a shallower interval in monitoring wells MW02 and MW03 (10 to 35 feet bgs and 19 to 39 feet bgs, respectively). The monitoring wells were then developed by purging a minimum of five well casing volumes of water from each well.

SoundEarth collected groundwater samples from monitoring wells MW01, MW02, and MW03 on May 11, 2011. The groundwater samples were collected according to the EPA *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures* (April 1996). Purging and sampling of each well was performed using a peristaltic pump and dedicated polyethylene tubing. During purging, water quality parameters that were monitored and recorded included temperature, pH, specific conductivity, dissolved oxygen, turbidity, and oxidation-reduction potential. Each well was purged until, at a minimum, pH, specific conductivity, and turbidity or dissolved oxygen stabilized. Samples were placed directly in to clean, laboratory-prepared containers.

After collection, soil and groundwater samples were labeled with a unique sample ID, placed on ice in a cooler, and delivered to Friedman & Bruya, Inc. of Seattle, Washington, under standard chain-of-custody

protocols for laboratory analysis. Select soil and groundwater samples were submitted for laboratory analysis of chlorinated VOCs, including vinyl chloride, methylene chloride, cis-1,2-dichloroethene (cis-1,2-DCE), trans-1,2-dichloroethene (trans-1,2-DCE), 1,1-dichloroethene (1,1-DCE), 1,2-dichloroethane (EDC) trichloroethene (TCE), and PCE by EPA Method 8260C; DRPH and oil-range petroleum hydrocarbons (ORPH) by Northwest Total Petroleum Hydrocarbon (NWTPH) Method NWTPH-Dx; gasoline-range petroleum hydrocarbons (GRPH) by Method NWTPH-Gx; and/or benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B. For the purposes of waste characterization, composite soil samples were submitted for analysis of the Resource and Conservation Recovery Act 8 Metals in accordance with EPA Methods 200.8 and 1631E.

All non-dedicated field sampling equipment was cleaned and decontaminated between uses and prior to leaving the Property. Soil cuttings, decontamination wash water, and monitoring well purge water were contained on the Property in 35 labeled 55-gallon drums pending waste profiling and proper disposal.

RESULTS

This section summarizes the results of the subsurface investigation conducted at the Property in May 2011. The analytical results for the soil samples collected during the investigation at the Property are presented in Figure 3 and Table 1. The groundwater analytical results are provided in Figure 4 and Table 2. Laboratory analytical reports for the soil and groundwater samples collected during the subsurface investigation are included as Attachment B.

Soil

Soil encountered in borings B05 through B10 generally consisted of dense to very dense, fine- to medium-grained sand with varying amounts of silt and trace to some fine subrounded gravel at depths up to 35 feet bgs. Very dense silt with fine sand was encountered in the borings at depths between 32 and 35 feet bgs. Below the silt, sand with varying amounts of fine to medium subrounded gravel was encountered.

Petroleum odors were noted in soil collected from borings B05 and B06 between 9.5 and 28 feet bgs, and a slight to heavy sheen was observed on soil in borings B05 and B06 between 9.5 and 27 feet bgs. A summary of the analytical results of the soil samples is provided below (Figure 3, Table 1):

- Soil collected from boring B07 approximately 50 feet along the length of the angled boring, or at a depth of approximately 35 feet bgs, contained a concentration of PCE slightly in excess of the MTCA Method A cleanup level.
- None of the soil samples collected from borings B05, B06, B08, B09, or B10 contained concentrations of chlorinated solvents in excess of the applicable laboratory reporting limits and/or MTCA Method A cleanup levels.
- None of the soil samples collected from any of the borings contained concentrations of DRPH, ORPH, GRPH, benzene, toluene, ethylbenzene, or total xylenes that exceeded the MTCA Method A cleanup levels.

Groundwater

During drilling, groundwater was encountered in borings B05 and B07 at depths of approximately 10 and 31 feet bgs (or at approximately 15 and 44 feet along the length of the angled borings), respectively.

Groundwater was not encountered in borings B06, B08, B09, or B10 during drilling. Groundwater levels measured in monitoring wells MW01 through MW03 on May 11, 2011, ranged from 12.50 feet (MW01) to 19.20 (MW03) below the top of the monitoring well casings. Groundwater flow direction could not be triangulated using the current, linear well array.

Based on the results of the supplemental subsurface investigation and previous investigations, groundwater beneath the Property is inferred to flow toward the south-southwest. Groundwater analytical results are presented in Figure 4 and Table 2, and the data are also summarized below:

- PCE was detected above the MTCA Method A cleanup level in the groundwater sample collected from monitoring well MW01. Concentrations of PCE in groundwater collected from monitoring wells MW02 and MW03 were below the laboratory reporting limit.
- Concentrations of GRPH, DRPH, ORPH, benzene, toluene, ethylbenzene, total xylenes, TCE, vinyl chloride, cis-1,2-DCE, trans-1,2-DCE, 1,1-DCE, and EDC in groundwater samples collected from MW01 through MW03 were below both the laboratory reporting limits and the MTCA Method A cleanup levels in groundwater.

Data Quality Review

SoundEarth reviewed laboratory quality control data provided with the Friedman & Bruya, Inc. reports to evaluate the usability of the analytical results. SoundEarth reviewed the accuracy and precision data in addition to sample holding times, laboratory method blanks, and laboratory method detection limits, where applicable. The chlorinated solvent results for the soil samples from boring B08 at depths of 50.5 and 55.5 feet bgs were flagged by the laboratory because the samples were received in a 4-oz jar; samples could not be collected in accordance with EPA Method 5035 because of poor sample recovery. As a result, the reported values should be considered estimates. However, because the reported levels from these samples were below laboratory reporting limits, the data are useable for the purposes of this report.

CONCLUSION

The results of the supplemental subsurface investigation indicate that the former use of the Property as a dry cleaner resulted in chlorinated solvent contamination in both soil and groundwater beneath the Property. It does not appear that soil contamination extends beyond the southern Property boundary; however, off-Property impacts to groundwater are likely based on the findings of this investigation.

Although soil samples collected beneath the building did not exhibit concentrations of petroleum hydrocarbons in excess of MTCA Method A cleanup levels, the soil did exhibit significant odor, staining, and sheen. Therefore, soil will likely need to be disposed of at a permitted facility at a higher cost relative to "clean" soil. Performance soil sampling conducted during future redevelopment activities will likely identify soil and groundwater that contain concentrations of petroleum hydrocarbons and chlorinated solvents above their respective MTCA Method A cleanup levels.

The source and extent of the chlorinated solvent and petroleum hydrocarbon contamination in soil and groundwater beneath the Property has not been fully evaluated; additional investigation is necessary downgradient of the vinyl chloride impacts in groundwater; within the footprint of the former automotive repair facility; and to the north, east, and west of the former UST excavation. The data generated during subsequent investigation activities will allow us to evaluate the source of the

groundwater contamination, as well as the full lateral and vertical extents of soil and groundwater impacts beneath the Property, prior to developing a remedial cost estimate.

LIMITATIONS

The findings and conclusions documented in this report have been prepared for the specific application to this project and have been developed in a manner consistent with that level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. Sampling was conducted at widely spaced boring locations and depths, so the potential remains for unknown, unidentified, or unforeseen subsurface contamination to exist on portions of the Property that were not accessed in the course of this investigation. No warranty, expressed or implied, is made. This report is intended for the exclusive use of Touchstone Corporation.

CLOSING

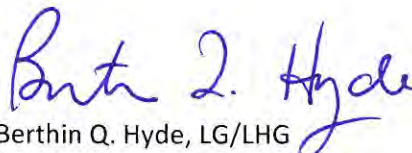
SoundEarth appreciates the opportunity to work with you on this project. Please contact the undersigned at (206) 306-1900 if you have any questions or require additional information.

Respectfully,

SoundEarth Strategies, Inc.



Erin K. Rothman, MS
Senior Scientist



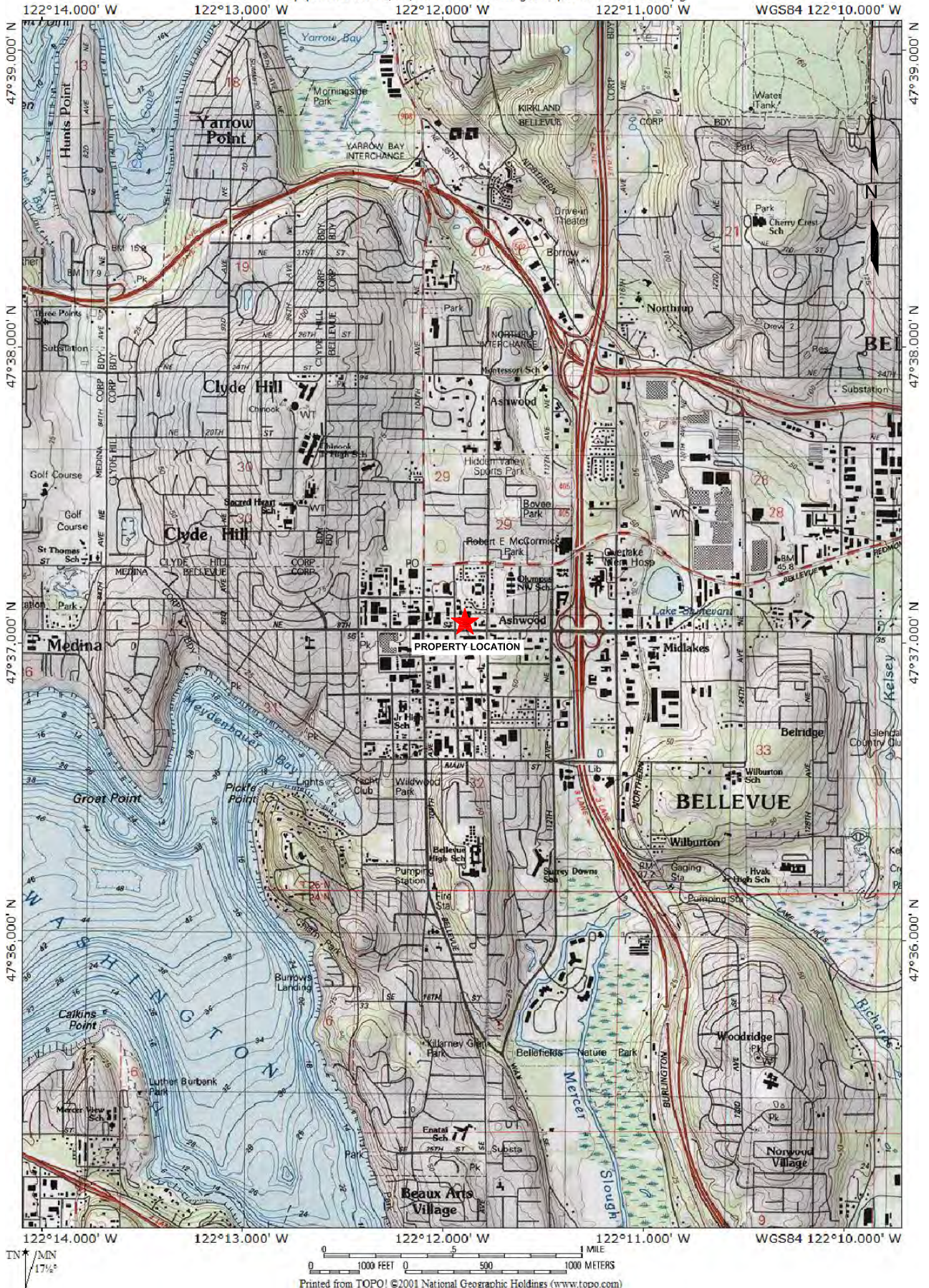
Berthin Q. Hyde, LG/LHG
Principal Hydrogeologist

Attachments: Figure 1, Property Location Map
Figure 2, Exploration Location Plan
Figure 3, Soil Analytical Results
Figure 4, Groundwater Analytical Results
Table 1, Summary of Soil Analytical Results
Table 2, Summary of Reconnaissance Groundwater Data
Attachment A, Boring Logs
Attachment B, Laboratory Analytical Report
Friedman & Bruya, Inc. #105076
Friedman & Bruya, Inc. #105087
Friedman & Bruya, Inc. #105088
Friedman & Bruya, Inc. #105110
Friedman & Bruya, Inc. #105111
Friedman & Bruya, Inc. #105133

EKR/BQH:syh

FIGURES

TOPO! map printed on 02/14/11 from "Washington.tpo" and "Untitled.tpg"



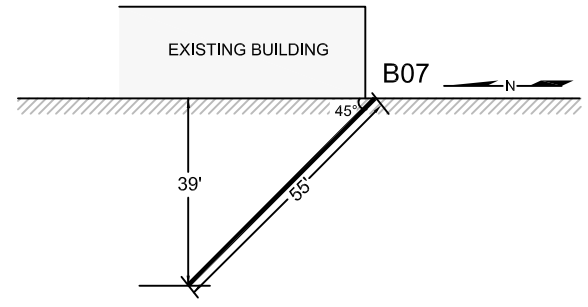
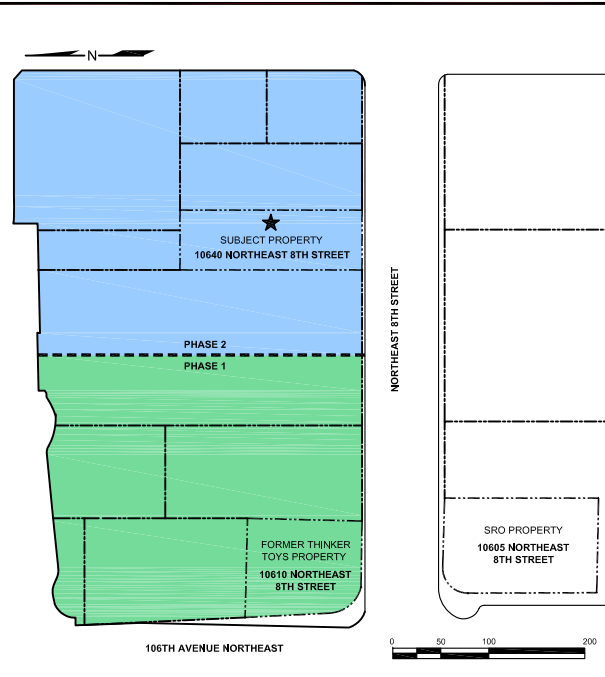
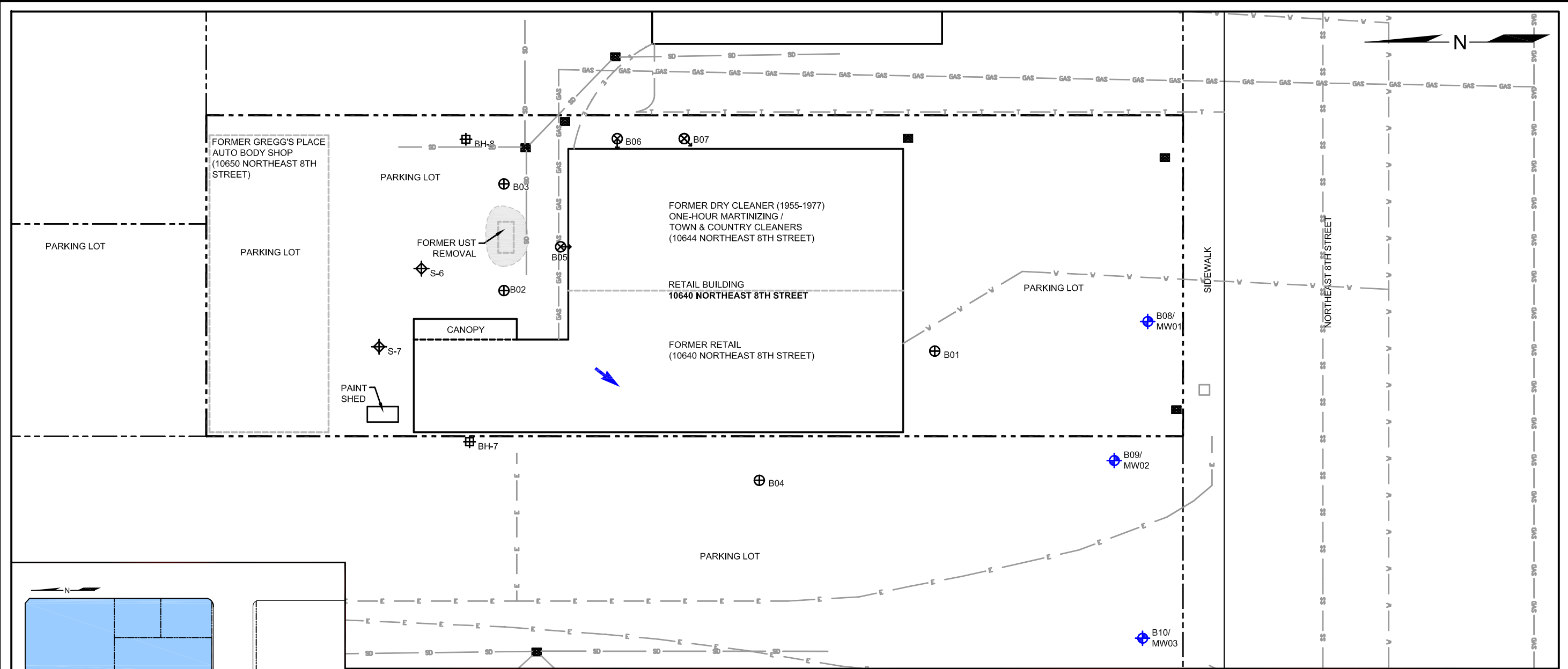
Printed from TOPO! ©2001 National Geographic Holdings (www.topo.com)



DATE: _____ 04/05/11
 DRAWN BY: _____ JQC
 CHECKED BY: _____ EKR
 CAD FILE: _____ 0731-006 2011SI

PROJECT NAME: _____ FORMER TOWN & COUNTRY
 SES PROJECT NUMBER: _____ 0731-006
 STREET ADDRESS: _____ 10640 - 10650 NE 8TH STREET
 CITY, STATE: _____ BELLEVUE, WASHINGTON

FIGURE 1
 PROPERTY
 LOCATION MAP



- LEGEND**
- CATCH BASIN
 - B08/MW01 MONITORING WELL
 - B05 ANGLED SOIL BORING
 - B04 SOIL BORING (SOUNDEARTH 2011)
 - BH-7 SOIL BORING (GOLDER ASSOCIATES 2003)
 - S-7 SOIL GAS SAMPLE (GOLDER ASSOCIATES 2003)
 - PROPERTY BOUNDARY
 - PARCEL BOUNDARY
 - FORMER PROPERTY FEATURES
 - GAS GAS LINE
 - W WATER LINE
 - E ELECTRIC LINE
 - T QWEST LINE
 - SS SANITARY SEWER LINE
 - SD STORM DRAIN
 - AREA OF EXCAVATION
 - INFERRED PERCHED GROUNDWATER FLOW DIRECTION



DATE: 05/31/11
 DRAWN BY: NAC/JQC/BLR
 CHECKED BY: EKR
 CAD FILE: 0731-006_2011SSI_EL

PROJECT NAME: FORMER TOWN AND COUNTRY CLEANERS
 PROJECT NUMBER: 0731-006
 STREET ADDRESS: 10640-10650 NORTHEAST 8TH STREET
 CITY, STATE: BELLEVUE, WASHINGTON

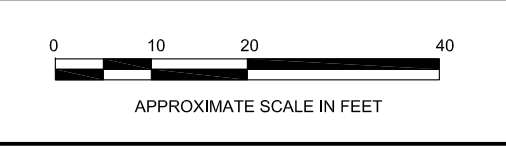
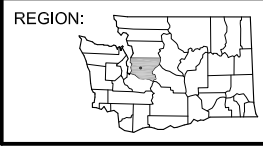
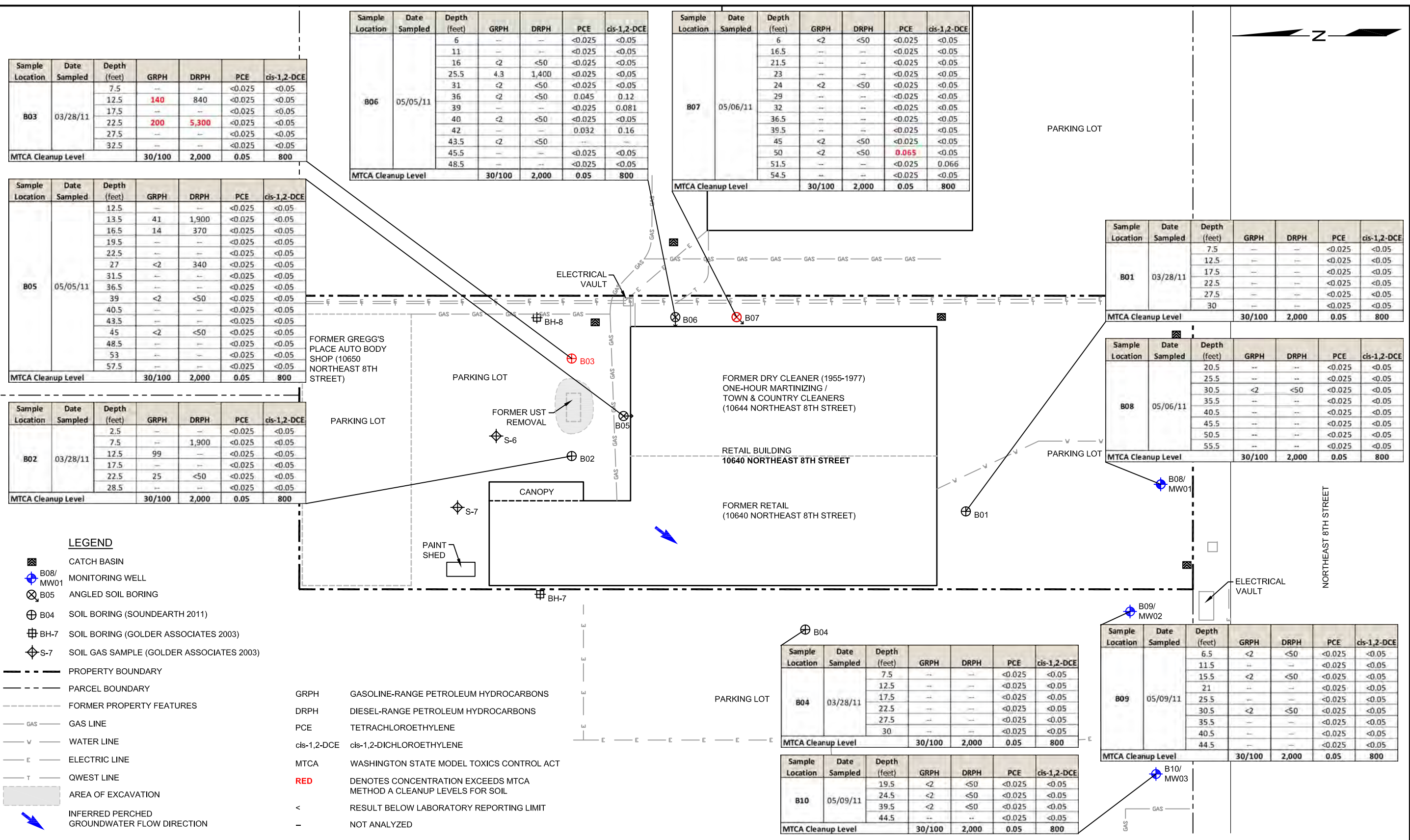


FIGURE 2
EXPLORATION LOCATION PLAN



DATE: 05/31/11
 DRAWN BY: NAC/BLR
 CHECKED BY: EKR
 CAD FILE: 0731-006_2011SSI_SD

PROJECT NAME: FORMER TOWN AND COUNTRY CLEANERS
 PROJECT NUMBER: 0731-006
 STREET ADDRESS: 10640-10650 NORTHEAST 8TH STREET
 CITY, STATE: BELLEVUE, WASHINGTON

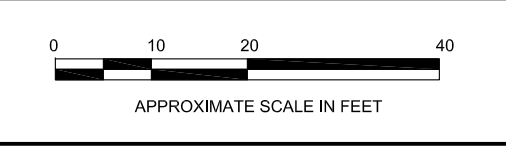
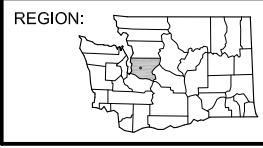
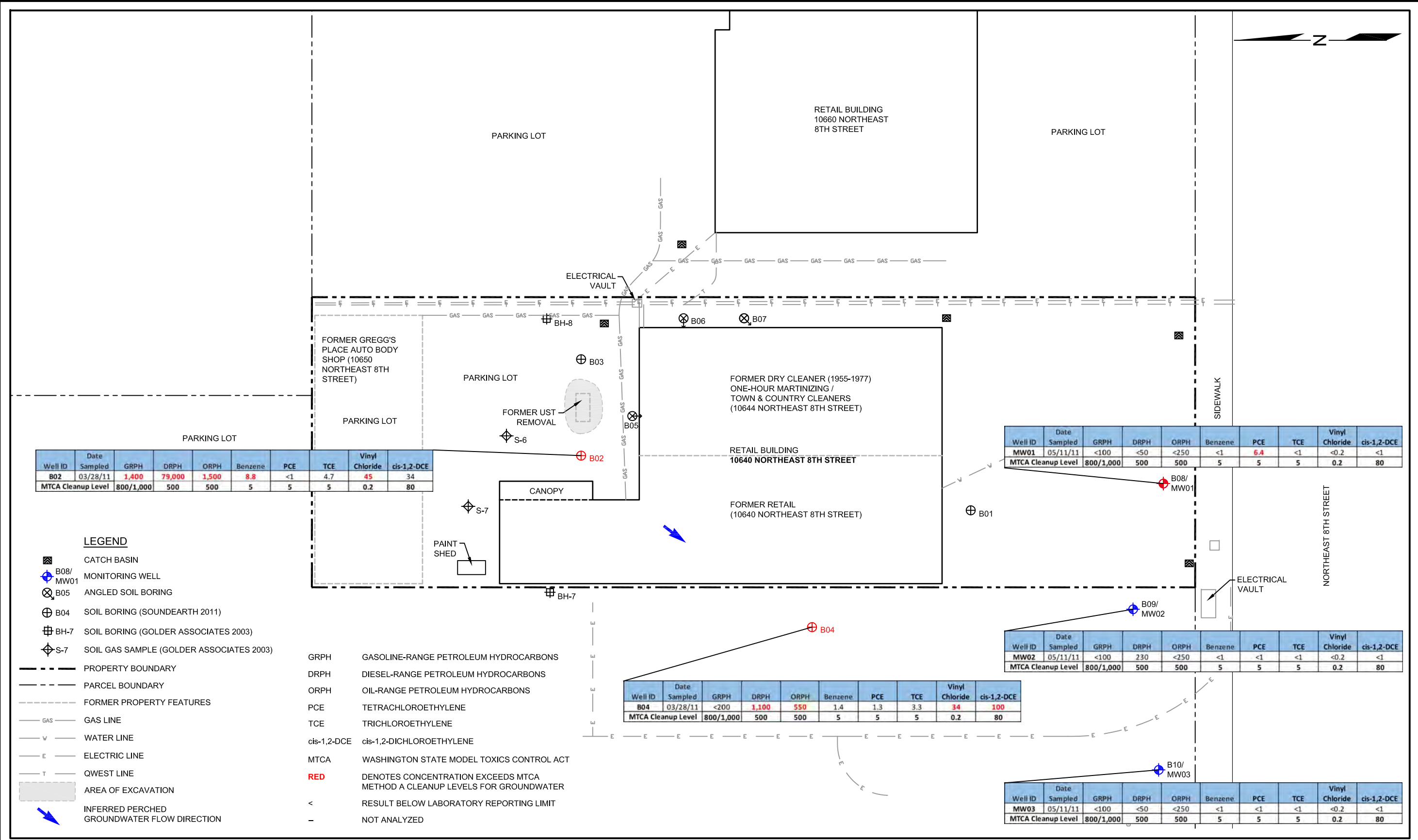


FIGURE 3
SOIL ANALYTICAL RESULTS



DATE: 05/31/11
 DRAWN BY: NAC/BLR
 CHECKED BY: EKR
 CAD FILE: 0731-006_2011SSI_GD

PROJECT NAME: FORMER TOWN AND COUNTRY CLEANERS
 PROJECT NUMBER: 0731-006
 STREET ADDRESS: 10640-10650 NORTHEAST 8TH STREET
 CITY, STATE: BELLEVUE, WASHINGTON

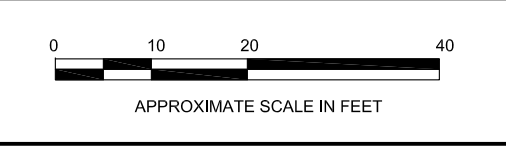
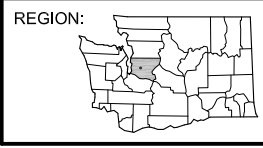


FIGURE 4
 GROUNDWATER ANALYTICAL RESULTS

TABLES



Table 1
Summary of Soil Analytical Results
Former Town and Country Cleaners
10640-10650 Northeast 8th Street
Bellevue, Washington

Sample Location	Sample ID	Sample Depth (feet bgs or distance along boring)	Sample Date	Analytical Results (mg/kg)																	
				GRPH ¹	DRPH ²	ORPH ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³	PCE ⁴	TCE ⁴	Vinyl Chloride ⁴	cis-1,2-DCE ⁴	trans-1,2-DCE ⁴	1,1-DCE ⁴	Methylene Chloride ⁴	EDC ⁴			
B01	B01-7.5	7.5	03/28/11	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	0.99 ^{lc}	<0.05	
	B01-12.5	12.5		--	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	0.60 ^{lc}	<0.05
	B01-17.5	17.5		--	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	1.0 ^{lc}	<0.05
	B01-22.5	22.5		--	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	0.58 ^{lc}	<0.05
	B01-27.5	27.5		--	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	0.80 ^{lc}	<0.05
B01-30	30		--	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	1.2 ^{lc}	<0.05	
B02	B02-2.5	2.5	03/28/11	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.3 ^{lc,ca}	<0.05
	B02-7.5	7.5		--	1,900	<250	<0.03	<0.05	0.46	<5.4	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	1.2 ^{lc,ca}	<0.05
	B02-12.5	12.5		99	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.57 ^{lc,ca}	<0.05
	B02-17.5	17.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.79 ^{lc,ca}	<0.05
	B02-22.5	22.5		25	<50	<250	<0.03	<0.05	<0.05	<0.15	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
B02-28.5	28.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
B03	B03-7.5	7.5	03/28/11	--	--	--	<0.03	<0.05	0.28	<0.15	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B03-12.5	12.5		140	840	<250	<0.03	<0.05	<0.05	<0.15	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B03-17.5	17.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B03-22.5	22.5		200	5,300	<250	<0.03	<0.05	0.59	<0.15	<0.025	<0.03	0.058	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B03-27.5	27.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
B03-32.5	32.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
B04	B04-7.5	7.5	03/28/11	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B04-12.5	12.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B04-17.5	17.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B04-22.5	22.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B04-27.5	27.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.61 ^{lc,jr}	<0.05
B04-30	30		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.84 ^{lc,ca,jr}	<0.05	
B05	B05-12.5	12.5	05/05/11	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-13.5	13.5		41	1,900	<250	<0.02	<0.02	0.086	0.13	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-16.5	16.5		14	370	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-19.5	19.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-22.5	22.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-27	27		<2	340	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-31.5	31.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-36.5	36.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-39	39		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-40.5	40.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-43.5	43.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-45	45		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B05-48.5	48.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
B05-53	53	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
B05-57.5	57.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
MTCA Cleanup Level				30/100^{a,b}	2,000^a	2,000^a	0.03^a	7^a	6^a	9^a	0.05^a	0.03^a	0.667^c	800^d	1,600^d	4,000^d	0.02^a	0.48^c			



Table 1
Summary of Soil Analytical Results
Former Town and Country Cleaners
10640-10650 Northeast 8th Street
Bellevue, Washington

Sample Location	Sample ID	Sample Depth (feet bgs or distance along boring)	Sample Date	Analytical Results (mg/kg)																
				GRPH ¹	DRPH ²	ORPH ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³	PCE ⁴	TCE ⁴	Vinyl Chloride ⁴	cis-1,2-DCE ⁴	trans-1,2-DCE ⁴	1,1-DCE ⁴	Methylene Chloride ⁴	EDC ⁴		
B06	B06-6	6	05/05/11	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B06-11	11		--	--	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-16	16		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-25.5	25.5		4.3	1,400	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-31	31		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-36	36		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	0.045	<0.03	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-39	39		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	0.081	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-40	40		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-42	42		--	--	--	--	--	--	--	0.032	<0.03	<0.05	0.16	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B06-43.5	43.5		<2	<50	<250	0.028	<0.02	<0.02	<0.06	--	--	--	--	--	--	--	--	--	--
B06-45.5	45.5	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
B06-48.5	48.5	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
B07	B07-06	6	05/06/11	<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B07-16.5	16.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B07-21.5	21.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B07-23	23		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B07-24	24		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B07-29	29		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B07-32	32		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B07-36.5	36.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B07-39.5	39.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B07-45	45		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
B07-50	50	<2	<50	<250	<0.02	<0.02	<0.02	<0.06	0.065	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
B07-51.5	51.5	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	0.066	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
B07-54.5	54.5	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05		
B08	B08-20.5	20.5	05/06/11	--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B08-25.5	25.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B08-30.5	30.5		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B08-35.5	35.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B08-40.5	40.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B08-45.5	45.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B08-50.5	50.5		--	--	--	--	--	--	--	<0.025 ^{pc}	<0.03 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.5 ^{pc}	<0.05 ^{pc}	
B08-55.5	55.5	--	--	--	--	--	--	--	<0.025 ^{pc}	<0.03 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.5 ^{pc}	<0.05 ^{pc}			
B09	B09-06.5	6.5	05/09/11	<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-11.5	11.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-15.5	15.5		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-21	21		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-25.5	25.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-30.5	30.5		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-35.5	35.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
	B09-40.5	40.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05	
B09-44.5	44.5	--	--	--	--	--	--	--	<0.025 ^{pc}	<0.03 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.05 ^{pc}	<0.5 ^{pc}	<0.05 ^{pc}			
MTCA Cleanup Level				30/100 ^{a,b}	2,000 ^a	2,000 ^a	0.03 ^a	7 ^a	6 ^a	9 ^a	0.05 ^a	0.03 ^a	0.667 ^c	800 ^d	1,600 ^d	4,000 ^d	0.02 ^a	0.48 ^e		



Table 1
Summary of Soil Analytical Results
Former Town and Country Cleaners
10640-10650 Northeast 8th Street
Bellevue, Washington

Sample Location	Sample ID	Sample Depth (feet bgs or distance along boring)	Sample Date	Analytical Results (mg/kg)														
				GRPH ¹	DRPH ²	ORPH ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³	PCE ⁴	TCE ⁴	Vinyl Chloride ⁴	cis-1,2-DCE ⁴	trans-1,2-DCE ⁴	1,1-DCE ⁴	Methylene Chloride ⁴	EDC ⁴
B10	B10-19.5	19.5	05/09/11	<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B10-24.5	24.5		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B10-29.5	29.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B10-39.5	39.5		<2	<50	<250	<0.02	<0.02	<0.02	<0.06	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
	B10-44.5	44.5		--	--	--	--	--	--	--	<0.025	<0.03	<0.05	<0.05	<0.05	<0.05	<0.5	<0.05
MTCA Cleanup Level				30/100^{a,b}	2,000^a	2,000^a	0.03^a	7^a	6^a	9^a	0.05^a	0.03^a	0.667^c	800^d	1,600^d	4,000^d	0.02^a	0.48^e

Notes:

Red denotes concentrations exceeding the MTCA cleanup level for soil.

Chemical analyses conducted by Friedman and Bruya, Inc., of Seattle, Washington.

¹Samples analyzed by Method NWTPH-Gx.

²Samples analyzed by Method NWTPH-Dx.

³Analyzed by EPA Method 8260C or 8021B.

⁴Analyzed by EPA Method 8260C.

^aMTCA Cleanup Regulation, Method A Cleanup Levels, Table 740-1 of Section 900 of Chapter 173-340 of WAC, revised November 2007.

^b30 mg/kg when benzene is present and 100 mg/kg when benzene is not present.

^cMTCA Cleanup Regulation, Chapter 173-340 of WAC, CLARC, Soil, Method B, carcinogen, Standard Formula Value, CLARC Website <<https://fortress.wa.gov/ecy/clarc/CLARHome.aspx>>.

^dMTCA Cleanup Regulation, Chapter 173-340 of WAC, CLARC, Soil, Method B, non-carcinogen, Standard Formula Value, CLARC Website <<https://fortress.wa.gov/ecy/clarc/CLARHome.aspx>>.

Laboratory Notes:

^{1a}The calibration results for this range fell outside of acceptance criteria. The value reported is an estimate.

^{1b}The relative percent different in the laboratory control sample associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

^{1c}The presence of the compound indicated is likely due to laboratory contamination.

^{1d}The sample was received in a container not approved by the method. The value reported should be considered an estimate

-- = not measured or analyzed

< = not detected at concentrations exceeding the laboratory reporting limit

bgs = below ground surface

CLARC = cleanup levels and risk calculations

DCE = dichloroethylene

DRPH = diesel-range petroleum hydrocarbons

EDC = 1,2-dichloroethane

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range hydrocarbons

mg/kg = milligrams per kilogram

MTCA = Washington State Model Toxics Control Act

NWTPH = northwest total petroleum hydrocarbon

ORPH = oil-range petroleum hydrocarbons

PCE = tetrachloroethylene

TCE = trichloroethylene

WAC = Washington Administrative Code



Table 2
Summary of Reconnaissance Groundwater Data
Former Town and Country Cleaners
10640-10650 Northeast 8th Street
Bellevue, Washington

Well ID	Sample ID	Sample Date	Analytical Results (µg/L)														
			GRPH ¹	DRPH ²	ORPH ²	Benzene ³	Toluene ³	Ethylbenzene ³	Total Xylenes ³	PCE ⁴	TCE ⁴	Vinyl Chloride ⁴	cis-1,2-DCE ⁴	trans-1,2-DCE ⁴	1,1-DCE ⁴	Methylene Chloride ⁴	EDC ⁴
B02	20110328-B02	03/28/11	1,400	79,000	1,500^a	8.8	<1	32	6.2	<1	4.7	45	34	1.9	<1	<5	<1
B04	20110328-B04	03/28/11	<200	1,100^a	550^a	1.4	<1	<1	<3	1.3	3.3	34	100	1.7	<1	<5	<1
MW01	MW01-20110511	05/11/11	<100	<50	<250	<1	<1	<1	<3	6.4	<1	<0.2	<1	<1	<1	<5	<1
MW02	MW02-20110511	05/11/11	<100	230	<250	<1	<1	<1	<3	<1	<1	<0.2	<1	<1	<1	<5	<1
MW03	MW03-20110511	05/11/11	<100	<50	<250	<1	<1	<1	<3	<1	<1	<0.2	<1	<1	<1	<5	<1
MTCA Cleanup Level⁵			800/1,000^{a,b}	500^b	500^b	5^b	1,000^b	700^b	1,000^b	5^b	5^b	0.2^b	16^c	160^c	400^c	5^b	5^b

NOTES:

Red denotes concentrations exceeding the MTCA cleanup level for groundwater.

Chemical analyses conducted by Friedman and Bruya, Inc., of Seattle, Washington.

¹Samples analyzed by Method NWTPH-Gx.

²Samples analyzed by Method NWTPH-Dx.

³Analyzed by EPA Method 8260C or 8021B.

⁴Analyzed by EPA Method 8260C.

⁵MTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, revised November 2007.

^a800 µg/L when benzene is present and 1,000 µg/L when benzene is not present.

^bMTCA Cleanup Regulation, Method A Cleanup Levels, Table 720-1 of Section 900 of Chapter 173-340 of WAC, revised November 2007.

^cMTCA Cleanup Regulation, Chapter 173-340 of WAC, CLARC, Groundwater, Method B, Non-carcinogen, Standard Formula Value, CLARC Website <<https://fortress.wa.gov/ecy/clarc/CLARHome.aspx>>.

Laboratory Notes:

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

< = not detected at concentrations exceeding the laboratory reporting limit

µg/L = micrograms per liter

CLARC = cleanup levels and risk calculations

DCE = dichloroethylene

DRPH = diesel-range petroleum hydrocarbons

EDC = 1,2-dichloroethane

EPA = U.S. Environmental Protection Agency

GRPH = gasoline-range petroleum hydrocarbons

MTCA = Washington State Model Toxics Control Act

NWTPH = Northwest Total Petroleum Hydrocarbon

ORPH = oil-range petroleum hydrocarbons

PCE = tetrachloroethylene

TCE = trichloroethylene

WAC = Washington Administrative Code

**ATTACHMENT A
BORING LOGS**



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 1.5' North of NE corner of building
Well Location E/W: 1.9' West of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B05

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt		2-inch asphalt cored prior to boring.	
						SM		Silty SAND, light brown, some gravel.	
5	NR	60	60	7.8	B05-06	SM		Damp, silty fine to medium SAND, dark brown, gray below 6', with gravel, fine to medium subrounded, no odor, no sheen (30-60-10).	
	NR	100	100	11.9	B05-07.5	SM		Damp, silty fine SAND with gravel, gray, no odor, no sheen (30-60-10).	
	NR	75	75	7.7	B05-09			Damp, silty fine to medium SAND with fine to medium gravel, gray/brown, no odor, no sheen (30-65-5, coarser sand than previous).	
10	NR	15	15	8.1	B05-11			Damp, silty fine SAND with gravels (fine, sub-rounded), gray/brown, no odor, no sheen (30-60-10).	
	NR	20	20	6.1	B05-12.5			Damp, silty fine to medium SAND, with gravel, light brown/gray, no odor, no sheen (30-60-10).	
	NR	80	80	22.8	B05-13.5			Damp, silty fine SAND, with trace gravel, dark gray, strong hydrocarbon odor, 95% sheen (80-65-5).	
15	NR	75	75	59.0	B05-15			Damp, silty fine to medium SAND with gravel, dark gray, strong diesel-like odor, 100% sheen (30-60-10).	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 57.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 1.5' North of NE corner of building
Well Location E/W: 1.9' West of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B05

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		NR	66	49.0	B05-16.5	SM		Damp, silty fine SAND, trace gravel, gray/light gray, strong hydrocarbon odor (different than above), 80% sheen (30-65-5).	
		NR	40	1.4	B05-18			Damp, silty fine SAND with fine to medium gravel, light brown to light gray, moderate hydrocarbon (diesel) odor, sheen (30-60-10).	
		NR	85	71.8	B05-19.5			Damp, silty fine to medium SAND, trace fine gravel, light gray with some brown streaking at 19.5' bgs, moderate hydrocarbon odor, 100% sheen (25-70-5).	
20		NR	95	5.9	B05-21			Damp, silty fine SAND, similar to previous, light gray, moderate hydrocarbon odor.	
		NR	60	2.4	B05-22.5	SP-SM		Damp, fine SAND with silt and gravel, light brown, faint hydrocarbon odor, no sheen (15-70-15).	
		NR	20	3.1	B05-24.5	SM		Damp, loose, silty fine SAND with fine to coarse subrounded gravel, brown, no odor, no sheen (20-60-20). Damp, silty fine SAND, trace gravel, light gray, no odor, no sheen (20-75-5).	
25		NR	90	4.7	B05-25.5			Damp, silty fine SAND with gravel, gray, moderate hydrocarbon odor, sheen.	
		NR	50	104.0	B05-27			Damp to moist, silty fine to medium SAND with gravel, dark gray, strong hydrocarbon/diesel odor, sheen on soil, 100% sheen.	
		NR	50	50.4	B05-28.5			Moist, silty fine to medium SAND, trace gravel, strong hydrocarbon odor, sheen on sample, 100% sheen (25-70-5).	
30		NR	20	32.0	B05-30			Damp, silty fine SAND, gray, moderate hydrocarbon odor, 100% sheen (25-70-5).	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 57.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 1.5' North of NE corner of building
Well Location E/W: 1.9' West of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B05

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		NR	20	11.3	B05-31.5	SM		Damp, silty, gravelly fine SAND, gray, moderate hydrocarbon odor, 50% sheen (20-60-20).	
		NR	80	9.9	B05-32.5			Damp, silty fine SAND, with gravel in lower 6", gray, moderate hydrocarbon odor, no sheen (25-60-15).	
		NR	75	14.4	B05-34.5			Damp, silty fine SAND, trace gravel, gray, faint hydrocarbon odor, no sheen (30-65-5).	
35		NR	20	12.1	B05-36.5			Damp, silty fine to medium SAND, gray/brown, no odor, no sheen (25-75-0).	
		NR	50	17.3	B05-37.5			Damp, silty fine to medium SAND, trace gravel, light gray/brown, faint hydrocarbon odor, 50% sheen (25-70-5).	
		NR	50	14.4	B05-39			Damp, silty fine SAND, light brown, trace gravel, faint hydrocarbon odor, no sheen (25-70-5).	
40		NR	30	15.0	B05-40.5			Damp, silty fine SAND, light brown, no odor, no sheen (25-75-0).	
		NR	40	9.8	B05-42			Damp, silty fine SAND, gray, no odor, no sheen (25-70-5).	
		NR	40	8.2	B05-43.5			Damp, silty fine SAND, trace gravel, gray, no odor, no sheen (30-65-5).	
45		NR	75	9.0	B05-45			Damp, silty fine SAND, with gravel, gray, no odor, 5% sheen (25-65-10).	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 57.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 1.5' North of NE corner of building
Well Location E/W: 1.9' West of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B05

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 15 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45						SM		Damp, silty fine SAND, with gravel (fine subrounded), dark gray, no odor, no sheen (25-65-10).	
		NR	40	10.1	B05-48.5			Poor recovery. Damp, silty fine SAND, trace gravel, gray, no odor, some small siltier zones (30-65-5).	
		NR	15	6.7	B05-50	SM-ML		Poor recovery. Damp, silty fine SAND, with some gravel, interbedded, with small sandy SILT lenses (approx. 0.25-inch-thick) at bottom, dark gray, no odor (35-55-10).	
50		NR	5	9.5	B05-51			Damp, silty fine SAND, grading toward sandy SILT at bottom, gray, no odor, no sheen (40-60-0).	
		NR	50	11.4	B05-53			Damp, silty fine SAND, gray, trace gravel, no odor, no sheen (40-55-5).	
		NR	40	14.2	B05-54.5			Poor recovery. Damp, silty fine SAND, dark gray, no odor (40-60-0).	
55		NR	0					No recovery from 54.5 to 56 feet.	
		NR	15	15.0	B05-57.5	SM-ML		Damp, silty fine SAND, gray, no odor, no sheen (40-60-0).	
		NR	15	16.3					
60								45-degree boring terminated at 57.5 feet.	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 57.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 9.5' South of NE corner of building
Well Location E/W: 2' East of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B06

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt		2-inch asphalt cored prior to boring. Hand cleared to approx. 2' to remove large cobble/concrete block. Cuttings appear damp, silty SAND with gravel, dark brown.	
5	NR		66	0.3	B06-06	SM		Damp (moisture on outside of sample), stiff, silty fine SAND with gravel, light gray with red-brown bands, no odor, no sheen (35-55-10) (FILL).	
10	NR		100	1.5	B06-11	SM		Fill/Native interface inferred from drilling resistance.	
15									

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 48.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --



Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).

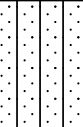
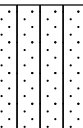



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 9.5' South of NE corner of building
Well Location E/W: 2' East of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B06

Site Address: 10640 Northeast 8th Street
Bellevue, Washington

 Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		NR	100	5.8	B06-16	SM		Damp, silty fine SAND with fine to coarse subrounded gravel, gray 15-16', light brown 16-16.5', possible faint hydrocarbon odor above color change, 50% sheen (35-55-10).	
20		NR	30	0.0	B06-21	SM		Damp, silty fine SAND, with fine subrounded gravel, light brown, faint hydrocarbon odor, slight sheen (25-65-10).	
25		NR	100	48.0	B06-25.5	SM		Damp, silty fine SAND with trace fine gravel, gray to 26', light brown below, moderate hydrocarbon odor, slight sheen (25-70-5).	
30									

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 48.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 9.5' South of NE corner of building
Well Location E/W: 2' East of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B06

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		NR	50	15.4	B06-31	SM		Damp, silty fine SAND with fine to medium subrounded gravel, light gray, moderate odor, slight sheen (30-60-10).	
35		NR	100	7.7	B06-36	SM		Damp, silty fine to medium SAND, trace gravel, gray, no odor, no sheen (25-70-5).	
		NR	15	5.1	B06-38			Damp, silty fine SAND, trace gravel, gray, no odor, no sheen (20-75-5).	
		NR	95	6.1	B06-39			Damp, silty fine SAND, with fine gravel, light brown, no odor, no sheen (20-70-10).	
40		NR	75	4.7	B06-40			Damp, silty fine to medium SAND, with trace gravel, light brown/brown, no odor, trace sheen (25-70-5).	
		NR	75	3.1	B06-42			Damp, silty fine SAND, light brown to 41.5', gray below, no odor, slight sheen (30-70-0).	
		NR	100	4.5	B06-43.5			Damp, silty fine SAND, gray, no odor, no sheen (25-75-0).	
45		NR	50	3.1	B06-45.5			Damp, silty fine SAND, trace gravel, gray, no odor, no sheen (20-75-5).	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 48.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/5/11
Surface Conditions: Asphalt
Well Location N/S: 9.5' South of NE corner of building
Well Location E/W: 2' East of N corner of building
Reviewed by: EKR
Date Completed: 5/5/11

BORING LOG | B06

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		NR	75	5.0	B06-46	SM		Damp, loose, silty fine SAND, with fine gravel, gray, no odor, no sheen (30-60-10).	
		NR	15	3.7	B06-48.5	SM-ML		Damp, silty fine SAND to sandy SILT, gray, no odor, no sheen (40-55-5).	
50								45-degree boring terminated at 48.5 feet.	
55									
60									

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 48.5 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: --



Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).






Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 22.5' South of NE corner of building
Well Location E/W: 2' East of NE corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | B07

Site Address: 10640 Northeast 8th Street
Bellevue, Washington

 Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 44 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt		2-inch asphalt cored prior to boring. Boring advanced at a 45-degree angle. Cuttings appear damp, silty SAND, light brown.	
5	NR		75	0.0	B07-06	SM		Damp, silty SAND with gravel, dark brown with white zones, no odor, no sheen (20-70-10) (FILL).	
10	NR		0			SM		Damp, silty fine SAND, trace gravel, tan, no odor, no sheen (30-65-5).	
15								No recovery.	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 56 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: Asphalt



Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).

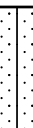


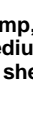






Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 22.5' South of NE corner of building
Well Location E/W: 2' East of NE corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | B07

Site Address: 10640 Northeast 8th Street
Bellevue, Washington

 Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 44 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15		NR	20	0.2	B07-16.5	SM		Damp, silty fine SAND, with gravel, light brown, no odor, no sheen (20-70-10).	
20		NR	20	0.7	B07-21.5	SM		Damp, silty fine to medium SAND, trace gravel, tan, no odor, no sheen (20-75-5).	
		NR	33	1.3	B07-23			Damp, silty fine to medium SAND, with gravel, tan, no odor, no sheen (25-65-10).	
		NR	100	2.3	B07-24			Damp, silty fine to medium SAND, with fine to medium subrounded gravel, light brown, no odor, no sheen (25-65-10).	
25		NR	5	3.0				Poor recovery, insufficient volume for sampling, similar to previous.	
		NR	5	3.8				Poor recovery, insufficient volume to sample, similar to previous, slightly siltier.	
		NR	10	0.5	B07-29			Poor recovery, similar to previous, damp silty fine SAND with gravel, tan, no odor, no sheen.	
30		NR	5	1.8				Poor recovery, insufficient volume to sample, similar to previous.	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 56 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: Asphalt

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 22.5' South of NE corner of building
Well Location E/W: 2' East of NE corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | B07

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 44 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30		NR	15	0.8	B07-32	SM		Damp, silty fine SAND with fine to medium subrounded gravel, gray, no odor, no sheen (20-70-10).	
		NR	5	0.9	B07-33.5			Poor recovery. Damp, silty fine SAND with gravel, gray, no odor (30-60-10).	
		NR	10	0.3	B07-35			Poor recovery. Damp, silty fine SAND, trace gravel, tan-gray, no odor (25-70-5).	
35		NR	10	0.4	B07-36.5			Poor recovery. Damp, silty fine to medium SAND, trace gravel, light brown, no odor (20-75-5).	
		NR	10	0.1	B07-38			Poor recovery. Damp, silty fine to medium SAND, with gravel, light brown, no odor (30-60-10).	
		NR	25	0.2	B07-39.5			Damp, silty gravelly fine SAND, gray, no odor, no sheen (25-55-20).	
40		NR	33	0.1	B07-41			Damp, silty fine SAND with fine gravel, gray, no odor, no sheen (20-70-10).	
		NR	15	0.9	B07-42.5			Damp, silty fine SAND with gravel, gray, no odor, no sheen (05-65-10).	
		NR	40	0.0	B07-44			Damp, silty fine SAND with gravel, brown, no odor, no sheen (20-70-10).	
45		NR	66	0.4	B07-45			Moist to wet, damp in bottom 8", silty fine to medium SAND with gravel, siltier at bottom, dark brown, no odor, no sheen (15-75-10).	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 56 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: Asphalt

Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 22.5' South of NE corner of building
Well Location E/W: 2' East of NE corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | B07

Site Address: 10640 Northeast 8th Street
Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: 44 feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45		NR	10	0.3	B07-47	SM		Damp, silty fine SAND, trace gravel, light brown, no odor (25-70-5).	
		NR	10	0.0	B07-48.5			Damp, silty fine SAND, trace gravel, light gray, no odor (25-70-5).	
		NR	50	0.7	B07-50			Damp, silty fine SAND, with gravel, brown, no odor, no sheen (20-70-10).	
50		NR	5	1.2	B07-51.5	ML		Damp, fine sandy SILT with gravel, gray, no odor, no sheen (50-40-10).	
		NR	20	0.0	B07-53			Damp, silty fine SAND to sandy silty, with gravel. Approx. 3" sandy SILT at bottom of shoe. Gray, no odor, no sheen (45-40-15).	
		NR	20	0.0	B07-54.5			Damp, fine sandy SILT, gray, no odor, no sheen (60-40-0).	
55		NR	5	0.5				Poor recovery. Damp, fine sandy SILT, with gravel, no odor (55-35-10).	
								45-degree boring terminated at 56' feet.	
60									

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 56 feet bgs
Total Well Depth: -- feet bgs
State Well ID No.: --

Well/Auger Diameter: -- inches
Well Screened Interval: -- feet bgs
Screen Slot Size: -- inches
Filter Pack Used: --
Surface Seal: --
Annular Seal: Bentonite
Monument Type: Asphalt



Notes/Comments:
 Boring advanced at a 45-degree angle, blow counts not recorded (NR).

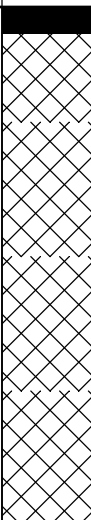
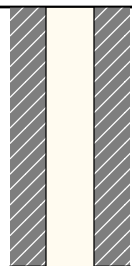
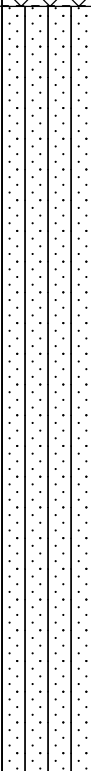
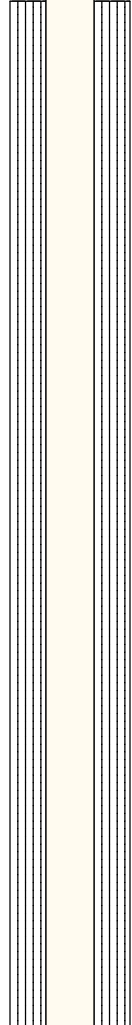


Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 47.5' south of SW corner of building
Well Location E/W: 21.5' East of SW corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | **B08**
 MW01

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: 20 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt FILL		2-inch asphalt cored prior to boring. Cuttings appear damp, silty SAND, light brown, no odor.	
5						SM		Driller reports conditions getting harder at 6 feet bgs (Inferred Fill-Native interface). Cuttings appear damp, silty SAND with gravel, gray-brown, no odor. Cuttings similiar to previous, no odor.	

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 40 feet bgs
State Well ID No.: BHB 321

Well/Auger Diameter: 2 inches
Well Screened Interval: 25-40 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount



Notes/Comments:
 Boring advanced to 20 feet without sampling. Boring completed as monitoring well MW01.





Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 47.5' south of SW corner of building
Well Location E/W: 21.5' East of SW corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | **B08**
 MW01

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: 20 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15						SM		Cuttings appear similiar to previous, no odor.	
20	70/5	200	0.3	B08-20.5	SM		Driller reports some water on sampling rods below 20' feet. Damp, very dense, silty, fine SAND with fine gravel, light brown/tan, no odor, no sheen (25-65-10).		
25	70/6	300	0.5	B08-25.5	SM		Damp, very dense, silty, fine SAND, gray, no odor, slight/potential sheen (35-65-0).		
30									

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 40 feet bgs
State Well ID No.: BHB 321

Well/Auger Diameter: 2 inches
Well Screened Interval: 25-40 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount



Notes/Comments:
 Boring advanced to 20 feet without sampling. Boring completed as monitoring well MW01.


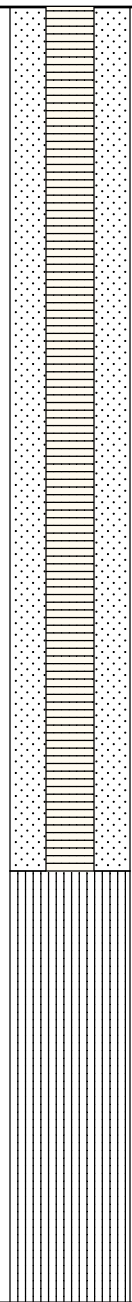




Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 47.5' south of SW corner of building
Well Location E/W: 21.5' East of SW corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | **B08**
 MW01

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: 20 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	X	70/6	100	1.7	B08-30.5	SM		Damp, very dense, silty, fine SAND with fine to medium subrounded gravel, brown, no odor, no sheen (25-55-20). Approx. 10-inch-thick silt layer at bottom of shoe.	
35	X	60/6	150	0.7	B08-35.5	ML		Damp, very dense, fine sandy SILT, trace fine gravel, gray, no odor, no sheen (60-35-5).	
40	X	60/6	100	0.4	B08-40.5	SM		Damp, silty, fine SAND, gray, no odor, no sheen (35-60-5).	
45									

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 40 feet bgs
State Well ID No.: BHB 321

Well/Auger Diameter: 2 inches
Well Screened Interval: 25-40 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount



Notes/Comments:
 Boring advanced to 20 feet without sampling. Boring completed as monitoring well MW01.


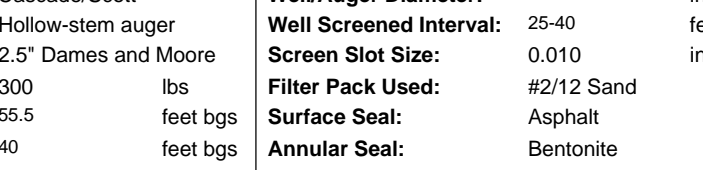




Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/6/11
Surface Conditions: Asphalt
Well Location N/S: 47.5' south of SW corner of building
Well Location E/W: 21.5' East of SW corner of building
Reviewed by: EKR
Date Completed: 5/6/11

BORING LOG | **B08**
 MW01

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: 20 feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45	60/6	150	1.1	B08-45.5	GM		Damp to moist, silty, sandy GRAVEL, brown, no odor, no sheen (15-35-50).		
50	70/6	33	0.4	B08-50.5	SM		Damp to moist, silty, gravelly, coarse SAND, brown, no odor (20-45-35).		
55	60/6	25	0.7	B08-55.5	GM		Moist, silty, coarse, sandy GRAVEL, brown, no odor (20-35-45).		
60							Boring terminated at 55.5 feet. Boring backfilled with bentonite to 40 feet and completed as 2-inch-diameter monitoring well MW01.		

Drilling Co./Driller: Cascade/Scott
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 55.5 feet bgs
Total Well Depth: 40 feet bgs
State Well ID No.: BHB 321

Well/Auger Diameter: 2 inches
Well Screened Interval: 25-40 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:
 Boring advanced to 20 feet without sampling. Boring completed as monitoring well MW01.



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 41' South of SW corner of building
Well Location E/W: 5.5' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B09**
 MW02

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt		3 inch asphalt cored prior to boring. Boring hand cleared to 2 feet.	
5	12 16 16	100	0.0	B09-6.5	SM		Damp, silty, fine SAND with some gravel, tan with oxidation at 6 feet, gray below, no odor, some white clumpy, sheen (25-65-10).		
10	12 24 30	100	0.5	B09-11.5	SM		Damp to moist, silty, fine SAND with gravel, light brown, no odor, no sheen (30-60-10).		
15									

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.: BHB 331

Well/Auger Diameter: 2 inches
Well Screened Interval: 10-35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount



Notes/Comments:
 Boring completed as monitoring well MW02.


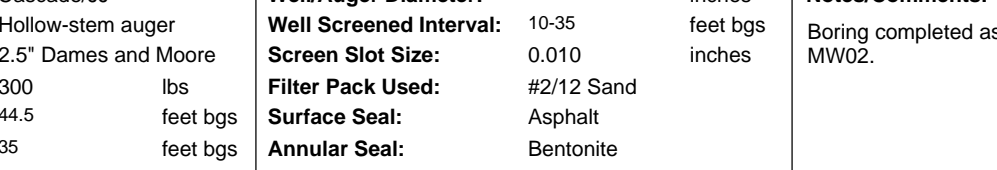




Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 41' South of SW corner of building
Well Location E/W: 5.5' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B09**
 MW02

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15	50/6	300	2.5	B09-16.5	SM		Moist, silty, fine SAND, trace gravel, light brown with some oxidation, no odor, no sheen (35-60-5).		
20	54 50/6	150	0.9	B09-21.5	SM		Moist, silty, fine to medium SAND, trace fine subrounded gravel, tan-brown with minor oxidation, no odor, no sheen (20-75-5).		
25	50/4	200	2.0	B09-26.5	SP-SM		Damp, silty, gravelly, fine SAND, gray, no odor (15-55-30).		
30									

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.: BHB 331

Well/Auger Diameter: 2 inches
Well Screened Interval: 10-35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:
 Boring completed as monitoring well MW02.



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 41' South of SW corner of building
Well Location E/W: 5.5' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B09**
 MW02

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30	50/6	300	3.7	B09-31.5	SM		Damp, silty fine SAND, with fine to medium subrounded gravel, gray, no odor, no sheen (25-65-10).		
35	50/5	200	2.3	B09-36.5	ML		Damp, fine, sandy SILT with gravel, gray, no odor, no sheen (45-45-10).		
40	50/4	150	1.5	B09-41.5	ML		Damp, fine, sandy SILT with gravel, gray, no odor, no sheen (50-40-10).		
45	50/4	25	1.4	B09-44.5	SM		Poor recovery. Moist to wet, silty, gravelly, medium to coarse SAND, dark gray, no odor (20-50-30).		

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.: BHB 331

Well/Auger Diameter: 2 inches
Well Screened Interval: 10-35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount



Notes/Comments:
 Boring completed as monitoring well MW02.



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 41' South of SW corner of building
Well Location E/W: 5.5' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B09**
 MW02

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45								Boring terminated at 44.5 feet. Boring backfilled with bentonite to 36 feet, and completed as 2-inch-diameter monitoring well MW02.	
50									
55									
60									

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 35 feet bgs
State Well ID No.: BHB 331

Well/Auger Diameter: 2 inches
Well Screened Interval: 10-35 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount



Notes/Comments:
 Boring completed as monitoring well MW02.

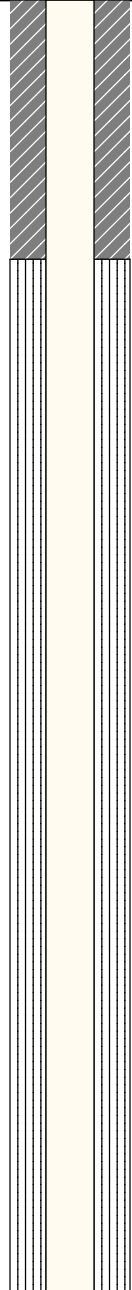


Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 46' South of SW corner of building
Well Location E/W: 40' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B10**
 MW03

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

 Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
0						Asphalt SM		2 inch asphalt cored prior to boring. Boring hand cleared to 2 feet. Boring advanced to 20 feet with no sampling. Cuttings appear as damp, silty SAND with gravel, brown. Cuttings appear as silty SAND (siltier than previous), gray. Driller reports change to harder drilling at 9 feet.	
10						SM		Inferred Fill-Native interface. Cuttings appear as damp, silty SAND, gray.	

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 39 feet bgs
State Well ID No.: BHB330

Well/Auger Diameter: 2 inches
Well Screened Interval: 19-39 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:
 Boring completed as monitoring well MW03.



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 46' South of SW corner of building
Well Location E/W: 40' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B10**
 MW03

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
15								Cuttings appear as damp, silty SAND, gray.	
20	50/6		100	3.7	B10-19.5	SM		Damp, silty, fine SAND, trace fine gravel, light brown with some oxidation at bottom, faint hydrocarbon odor, no sheen (20-75-5).	
25	50/6		250	0.4	B10-24.5	SM		Damp, silty, fine SAND, trace fine gravel, tan-brown, no odor, no sheen (25-70-5).	
30	50/5		300	0.9	B10-29.5	SM		Damp, silty, fine SAND with gravel, fine to medium subrounded gravel, tan, no odor, no sheen (20-65-15).	

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 39 feet bgs
State Well ID No.: BHB330

Well/Auger Diameter: 2 inches
Well Screened Interval: 19-39 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:
 Boring completed as monitoring well MW03.



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 46' South of SW corner of building
Well Location E/W: 40' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | B10 MW03

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington

Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
30									
	50/6	300	0.3			SM		Damp, silty, fine SAND, trace gravel, tan-gray, no odor (30-65-5).	
35								Driller dropped sampler on ground. SoundEarth recorded PID reading from piled soil. No sample collected for laboratory analysis.	
	50/6	300	0.7		B10-39.5	ML		Damp, fine, sandy SILT with trace gravel, gray, no odor, no sheen (50-45-5).	
40								Driller reports conditions become harder at 41 feet.	
	50/4	75	2.5		B10-44.5	SP-SM		Damp to moist, silty, gravelly, medium to coarse SAND, gray, no odor (15-45-40).	
45									

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 39 feet bgs
State Well ID No.: BHB330

Well/Auger Diameter: 2 inches
Well Screened Interval: 19-39 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:
 Boring completed as monitoring well MW03.



Project: Former Town and Country Cleaners
Project Number: 0731-006-02
Logged by: DMM
Date Started: 5/9/11
Surface Conditions: Asphalt
Well Location N/S: 46' South of SW corner of building
Well Location E/W: 40' West of SW corner of building
Reviewed by: EKR
Date Completed: 5/9/11

BORING LOG | **B10**
 MW03

Site Address: 10640 Northeast 8th Street
 Bellevue, Washington



Water Depth At Time of Drilling: -- feet bgs
 Water Depth After Completion: -- feet bgs

Depth (feet bgs)	Interval	Blow Count	% Recovery	PID (ppmv)	Sample ID	USCS Class	Graphic	Lithologic Description	Well Construction Detail
45								Boring terminated at 44.5 feet. Boring backfilled with bentonite to 40 feet, and completed as 2-inch-diameter monitoring well MW03.	
50									
55									
60									

Drilling Co./Driller: Cascade/JJ
Drilling Equipment: Hollow-stem auger
Sampler Type: 2.5" Dames and Moore
Hammer Type/Weight: 300 lbs
Total Boring Depth: 44.5 feet bgs
Total Well Depth: 39 feet bgs
State Well ID No.: BHB330

Well/Auger Diameter: 2 inches
Well Screened Interval: 19-39 feet bgs
Screen Slot Size: 0.010 inches
Filter Pack Used: #2/12 Sand
Surface Seal: Asphalt
Annular Seal: Bentonite
Monument Type: Flush Mount

Notes/Comments:
 Boring completed as monitoring well MW03.

ATTACHMENT B
LABORATORY ANALYTICAL REPORT

Friedman & Bruya, Inc. #105076

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 13, 2011

Erin Rothman, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Rothman:

Included are the results from the testing of material submitted on May 6, 2011 from the SOU_0761-006-02_20110506, F&BI 105076 project. There are 38 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0513R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 6, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0761-006-02_20110506, F&BI 105076 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
105076-01	B05-06
105076-02	B05-07.5
105076-03	B05-09
105076-04	B05-11
105076-05	B05-12.5
105076-06	B05-13.5
105076-07	B05-15
105076-08	B05-16.5
105076-09	B05-18
105076-10	B05-19.5
105076-11	B05-21
105076-12	B05-22.5
105076-13	B05-24.5
105076-14	B05-25.5
105076-15	B05-27
105076-16	B05-28.5
105076-17	B05-30
105076-18	B05-31.5
105076-19	B05-32.5
105076-20	B05-34.5
105076-21	B05-36.5
105076-22	B05-37.5
105076-23	B05-39
105076-24	B05-40.5
105076-25	B05-42
105076-26	B05-43.5
105076-27	B05-45
105076-28	B05-46.5
105076-29	B05-48.5
105076-30	B05-50
105076-31	B05-51
105076-32	B05-53
105076-33	B05-54.5
105076-34	B05-57.5
105076-35	B06-6
105076-36	B06-11
105076-37	B06-16
105076-38	B06-21
105076-39	B06-25.5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 6, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0761-006-02_20110506, F&BI 105076 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
105076-40	B06-31
105076-41	B06-36
105076-42	B06-38
105076-43	B06-39
105076-44	B06-40
105076-45	B06-42
105076-46	B06-43.5
105076-47	B06-45.5
105076-48	B06-46
105076-49	B06-48.5

The 8260C laboratory control sample and laboratory control sample duplicate failed the relative percent difference for chloroethane. The analyte was not detected therefore the data were acceptable.

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/06/11

Project: SOU_0761-006-02_20110506, F&BI 105076

Date Extracted: 05/09/11

Date Analyzed: 05/09/11, 05/10/11, and 05/12/11

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
B05-13.5 105076-06	<0.02	<0.02	0.086	0.13	41	70
B05-16.5 105076-08	<0.02	<0.02	<0.02	<0.06	14	66
B05-27 105076-15	<0.02	<0.02	<0.02	<0.06	<2	75
B05-39 105076-23	<0.02	<0.02	<0.02	<0.06	<2	62
B05-45 105076-27	<0.02	<0.02	<0.02	<0.06	<2	71
B06-16 105076-37	<0.02	<0.02	<0.02	<0.06	<2	62
B06-25.5 105076-39	<0.02	<0.02	<0.02	<0.06	4.3	65
B06-31 105076-40	<0.02	<0.02	<0.02	<0.06	<2	63
B06-36 105076-41	<0.02	<0.02	<0.02	<0.06	<2	64
B06-40 105076-44	<0.02	<0.02	<0.02	<0.06	<2	65

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/06/11

Project: SOU_0761-006-02_20110506, F&BI 105076

Date Extracted: 05/09/11

Date Analyzed: 05/09/11, 05/10/11, and 05/12/11

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
B06-43.5 105076-46	0.028	<0.02	<0.02	<0.06	<2	64
Method Blank 01-845 MB	<0.02	<0.02	<0.02	<0.06	<2	64

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11
 Date Received: 05/06/11
 Project: SOU_0761-006-02_20110506, F&BI 105076
 Date Extracted: 05/06/11
 Date Analyzed: 05/06/11 and 05/07/11

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B05-13.5 105076-06	1,900	<250	121
B05-16.5 105076-08	370	<250	108
B05-27 105076-15	340	<250	114
B05-39 105076-23	<50	<250	113
B05-45 105076-27	<50	<250	115
B06-16 105076-37	<50	<250	91
B06-25.5 105076-39	1,400	<250	111
B06-31 105076-40	<50	<250	107
B06-36 105076-41	<50	<250	107
B06-40 105076-44	<50	<250	111
B06-43.5 105076-46	<50	<250	108
Method Blank 01-833 MB2	<50	<250	116

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-12.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-05
Date Analyzed:	05/06/11	Data File:	050615.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	100	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-13.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-06
Date Analyzed:	05/06/11	Data File:	050616.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	158
Toluene-d8	91	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-16.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-08
Date Analyzed:	05/06/11	Data File:	050617.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	89	42	158
Toluene-d8	92	42	159
4-Bromofluorobenzene	89	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-19.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-10
Date Analyzed:	05/06/11	Data File:	050618.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	42	158
Toluene-d8	93	42	159
4-Bromofluorobenzene	99	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-22.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-12
Date Analyzed:	05/06/11	Data File:	050619.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	42	158
Toluene-d8	94	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-27	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-15
Date Analyzed:	05/06/11	Data File:	050620.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	95	42	159
4-Bromofluorobenzene	101	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-31.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-18
Date Analyzed:	05/06/11	Data File:	050621.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	94	42	159
4-Bromofluorobenzene	100	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-36.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-21
Date Analyzed:	05/06/11	Data File:	050622.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	42	158
Toluene-d8	96	42	159
4-Bromofluorobenzene	98	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-39	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-23
Date Analyzed:	05/07/11	Data File:	050623.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	104	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-40.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-24
Date Analyzed:	05/07/11	Data File:	050624.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	42	158
Toluene-d8	90	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-43.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-26
Date Analyzed:	05/07/11	Data File:	050625.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	103	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-45	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-27
Date Analyzed:	05/07/11	Data File:	050626.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	99	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B05-48.5	Client: SoundEarth Strategies
Date Received: 05/06/11	Project: SOU_0761-006-02_20110506, F&BI 105076
Date Extracted: 05/06/11	Lab ID: 105076-29
Date Analyzed: 05/07/11	Data File: 050627.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	42	158
Toluene-d8	98	42	159
4-Bromofluorobenzene	101	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-53	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-32
Date Analyzed:	05/07/11	Data File:	050628.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	106	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B05-57.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-34
Date Analyzed:	05/07/11	Data File:	050629.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	42	158
Toluene-d8	99	42	159
4-Bromofluorobenzene	103	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-6	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-35
Date Analyzed:	05/07/11	Data File:	050630.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	42	158
Toluene-d8	95	42	159
4-Bromofluorobenzene	99	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-11	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-36
Date Analyzed:	05/07/11	Data File:	050631.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	110	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-16	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-37
Date Analyzed:	05/07/11	Data File:	050636.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	42	158
Toluene-d8	103	42	159
4-Bromofluorobenzene	105	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-25.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-39
Date Analyzed:	05/07/11	Data File:	050637.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	158
Toluene-d8	109	42	159
4-Bromofluorobenzene	115	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-31	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-40
Date Analyzed:	05/07/11	Data File:	050638.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	117	42	158
Toluene-d8	114	42	159
4-Bromofluorobenzene	118	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-36	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-41
Date Analyzed:	05/07/11	Data File:	050639.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	42	158
Toluene-d8	102	42	159
4-Bromofluorobenzene	108	36	160

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	0.12
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	0.045

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-39	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-43
Date Analyzed:	05/07/11	Data File:	050640.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	114	42	158
Toluene-d8	113	42	159
4-Bromofluorobenzene	119	36	160

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	0.081
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-40	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-44
Date Analyzed:	05/07/11	Data File:	050641.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	108	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-42	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-45
Date Analyzed:	05/07/11	Data File:	050642.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	42	158
Toluene-d8	102	42	159
4-Bromofluorobenzene	103	36	160

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	0.16
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	0.032

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B06-45.5	Client: SoundEarth Strategies
Date Received: 05/06/11	Project: SOU_0761-006-02_20110506, F&BI 105076
Date Extracted: 05/06/11	Lab ID: 105076-47
Date Analyzed: 05/07/11	Data File: 050643.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	110	42	159
4-Bromofluorobenzene	115	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B06-48.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	105076-49
Date Analyzed:	05/07/11	Data File:	050644.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	42	158
Toluene-d8	106	42	159
4-Bromofluorobenzene	112	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	01-801 mb
Date Analyzed:	05/06/11	Data File:	050614.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	105	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0761-006-02_20110506, F&BI 105076
Date Extracted:	05/06/11	Lab ID:	01-800 mb
Date Analyzed:	05/06/11	Data File:	050607.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	42	158
Toluene-d8	101	42	159
4-Bromofluorobenzene	103	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/06/11

Project: SOU_0761-006-02_20110506, F&BI 105076

**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: 105076-46 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	92	69-120
Toluene	mg/kg (ppm)	0.5	83	70-117
Ethylbenzene	mg/kg (ppm)	0.5	88	65-123
Xylenes	mg/kg (ppm)	1.5	81	66-120
Gasoline	mg/kg (ppm)	20	95	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/06/11

Project: SOU_0761-006-02_20110506, F&BI 105076

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

Laboratory Code: 105049-20 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	102	107	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	102	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/06/11

Project: SOU_0761-006-02_20110506, F&BI 105076

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

Laboratory Code: 105076-12 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	
				Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	48	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	61	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	71	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	69	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	86	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	79	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	81	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	81	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	81	27-119
Trichloroethene	mg/kg (ppm)	2.5	<0.03	79	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	77	29-117

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery		Acceptance Criteria	RPD (Limit 20)
			LCS	LCSD		
Vinyl chloride	mg/kg (ppm)	2.5	67	78	29-135	15
Chloroethane	mg/kg (ppm)	2.5	69	79	10-281	14
1,1-Dichloroethene	mg/kg (ppm)	2.5	79	77	22-151	3
Methylene chloride	mg/kg (ppm)	2.5	72	84	42-144	15
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	88	101	60-125	14
1,1-Dichloroethane	mg/kg (ppm)	2.5	80	90	66-123	12
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	82	94	72-118	14
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	84	92	60-124	9
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	87	99	68-128	13
Trichloroethene	mg/kg (ppm)	2.5	84	90	71-122	7
Tetrachloroethene	mg/kg (ppm)	2.5	82	86	69-125	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/06/11

Project: SOU_0761-006-02_20110506, F&BI 105076

**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	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	2.5	59	65	29-135	10
Chloroethane	mg/kg (ppm)	2.5	61	75	10-281	21 vo
1,1-Dichloroethene	mg/kg (ppm)	2.5	76	87	22-151	13
Methylene chloride	mg/kg (ppm)	2.5	73	83	42-144	13
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	91	105	60-125	14
1,1-Dichloroethane	mg/kg (ppm)	2.5	87	97	66-123	11
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	89	97	72-118	9
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	90	97	60-124	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	91	101	68-128	10
Trichloroethene	mg/kg (ppm)	2.5	92	99	71-122	7
Tetrachloroethene	mg/kg (ppm)	2.5	93	91	69-125	2

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.

A1 - More than one compound of similar molecule structure was identified with equal probability.

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 this range fell outside of acceptance criteria. The value reported is an estimate.

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

d - The sample was diluted. Detection limits may be raised due to dilution.

ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.

dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.

fb - Analyte present in the blank and the sample.

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. The variability is attributed to sample inhomogeneity.

ht - Analysis performed outside the method or client-specified holding time requirement.

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

j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.

jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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.

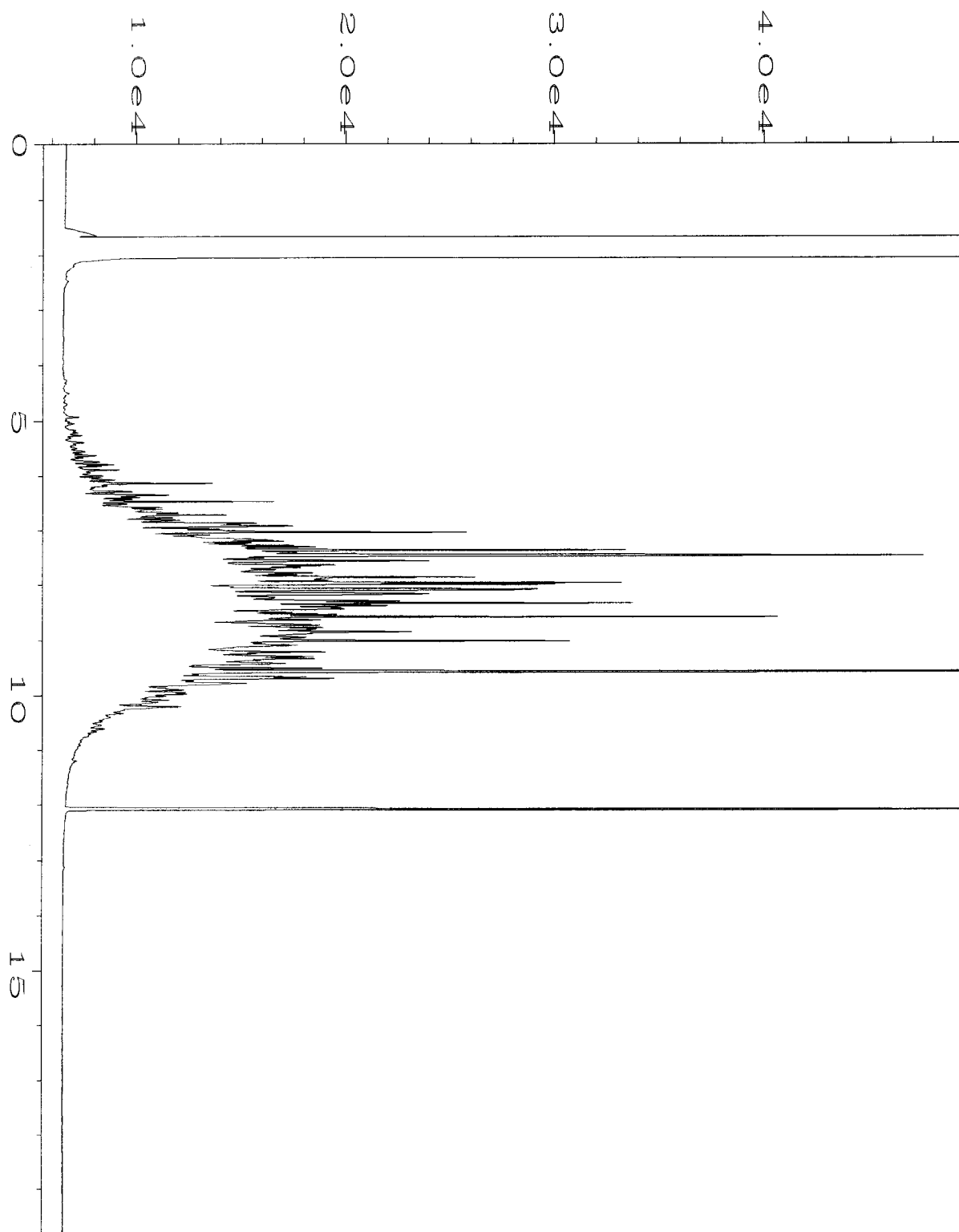
pc - The sample was received in a container not approved by the method. The value reported should be considered an estimate.

pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.

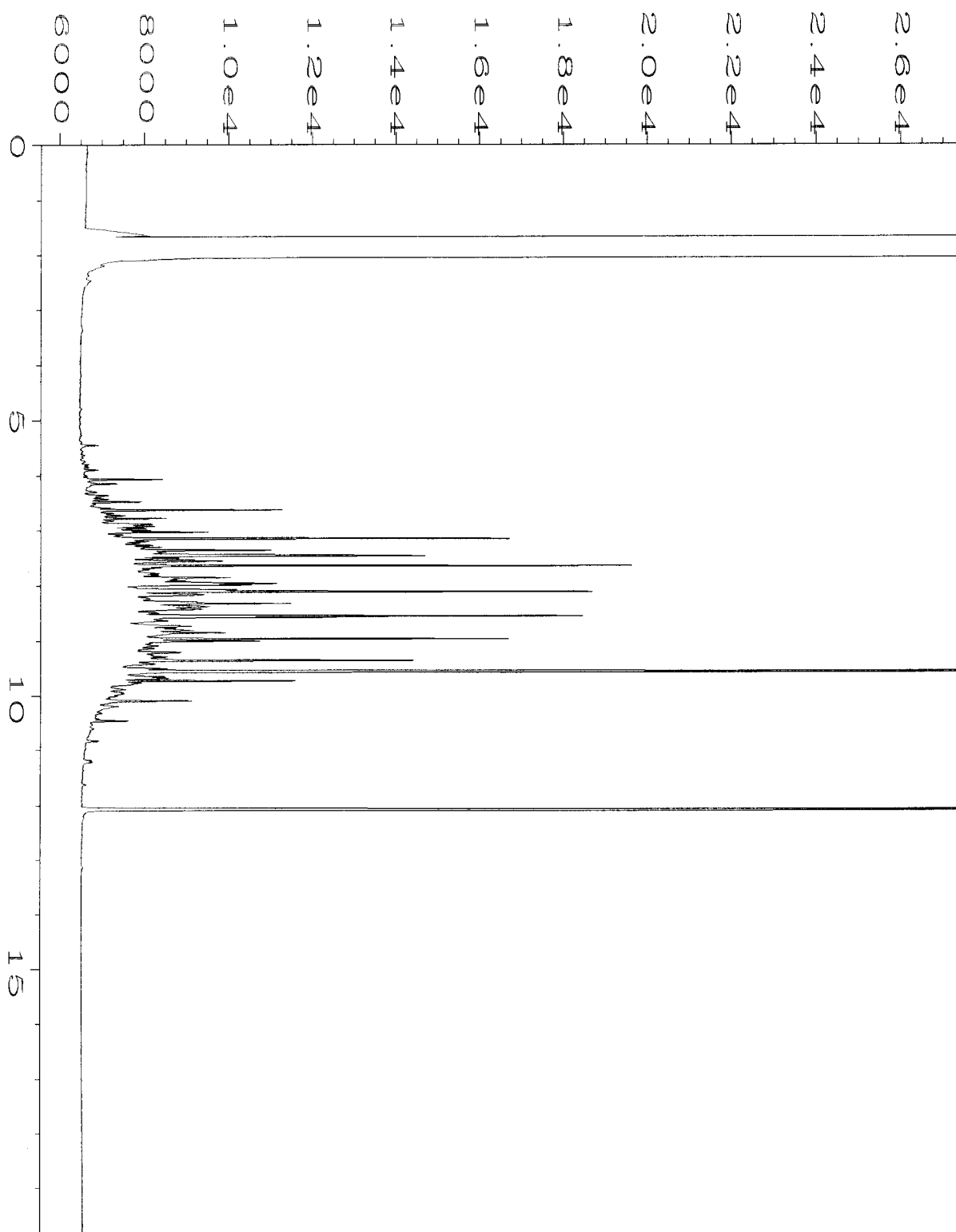
ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.

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

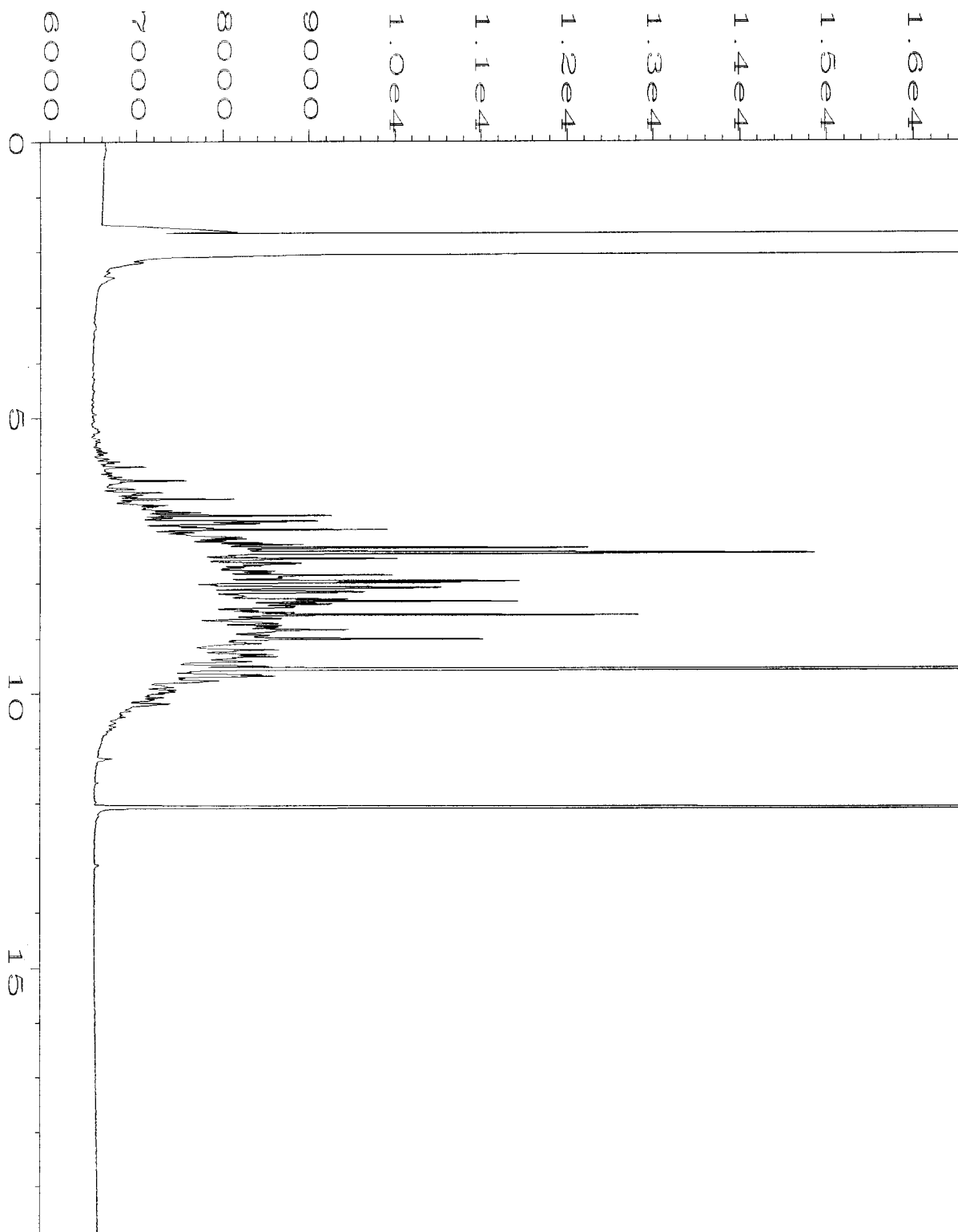
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



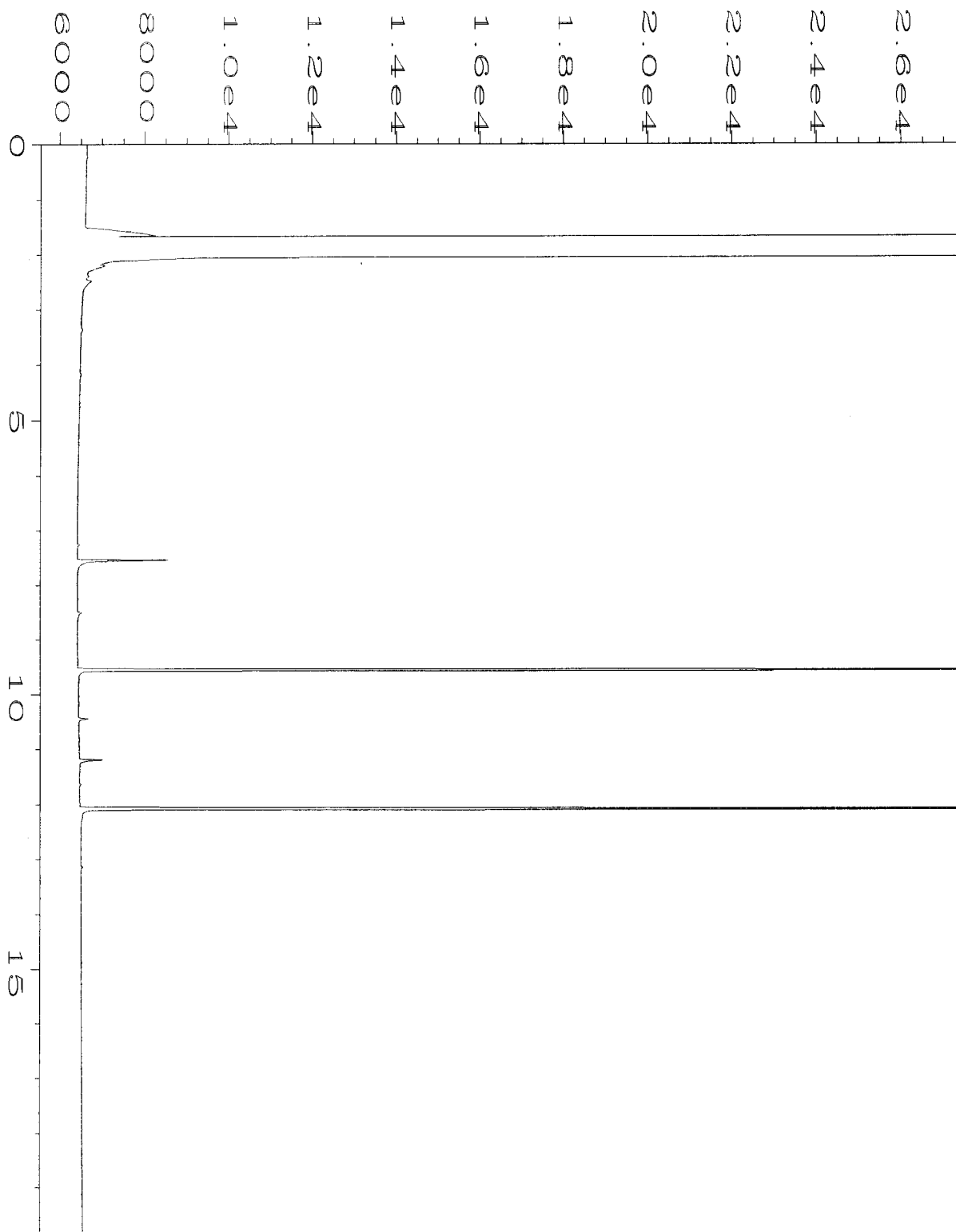
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\025F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 25
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-06	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 06 May 11 09:38 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:12 AM		



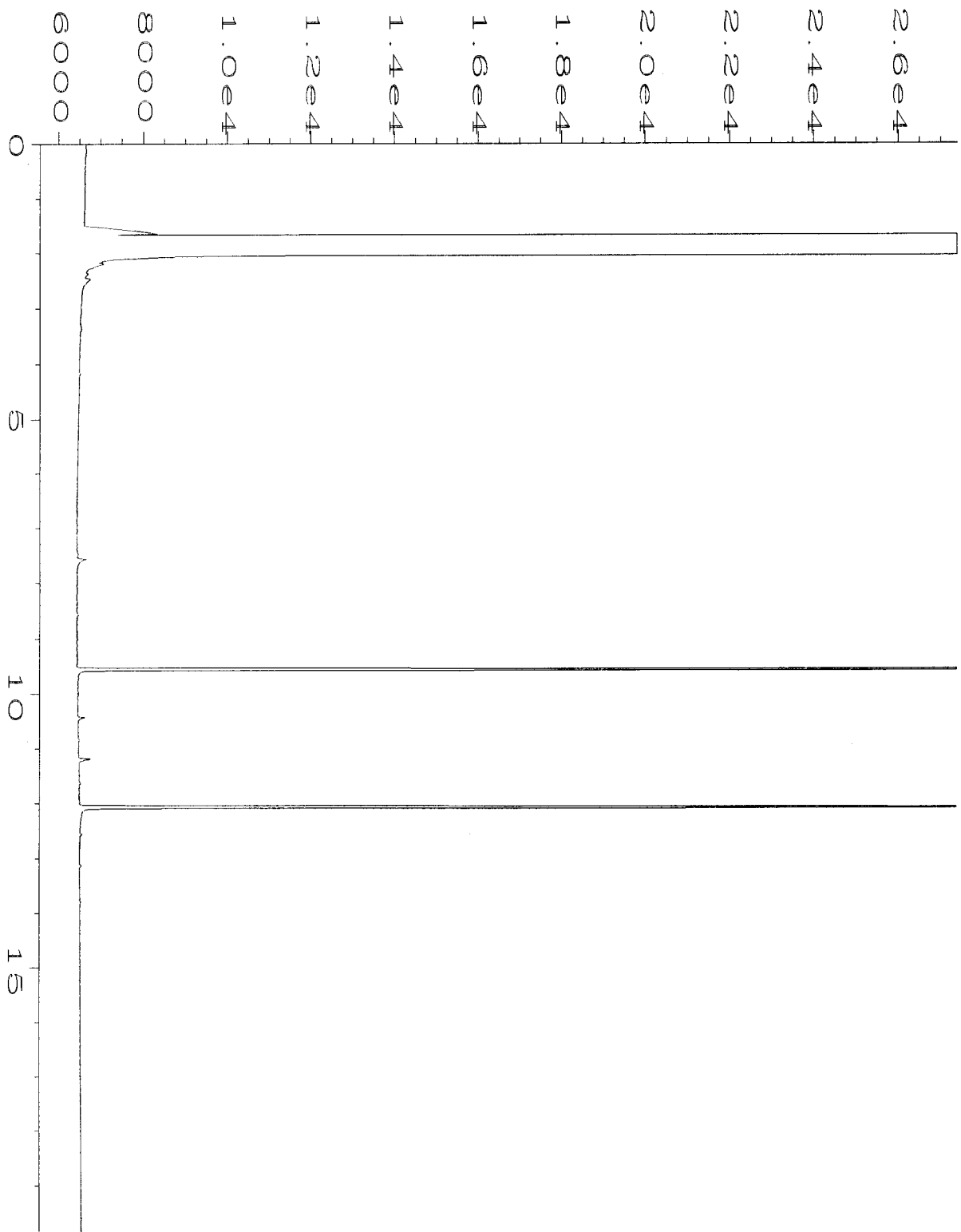
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\026F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 26
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-08	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 06 May 11 10:05 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:12 AM		



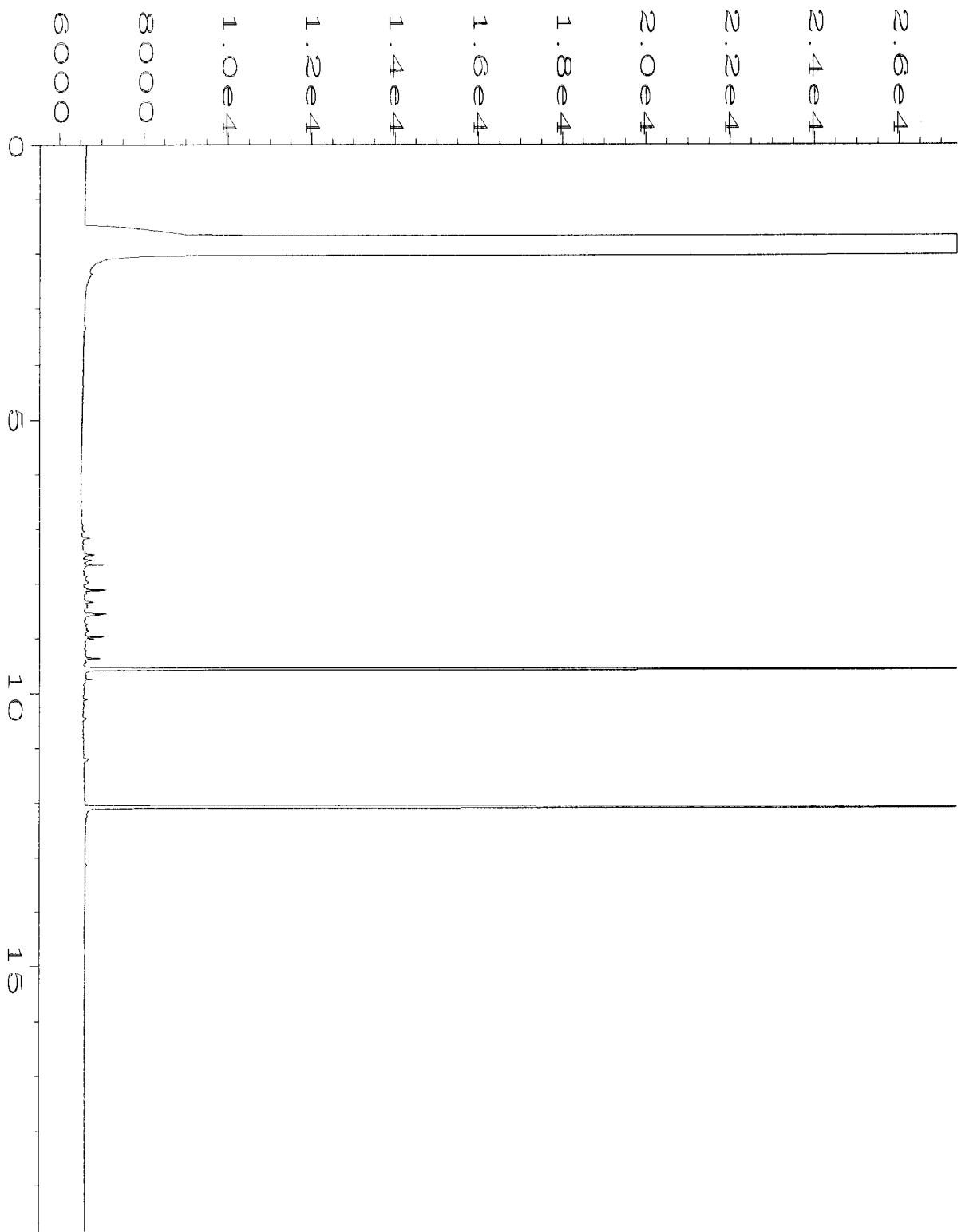
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\027F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 27
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-15	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 06 May 11 10:32 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:12 AM		



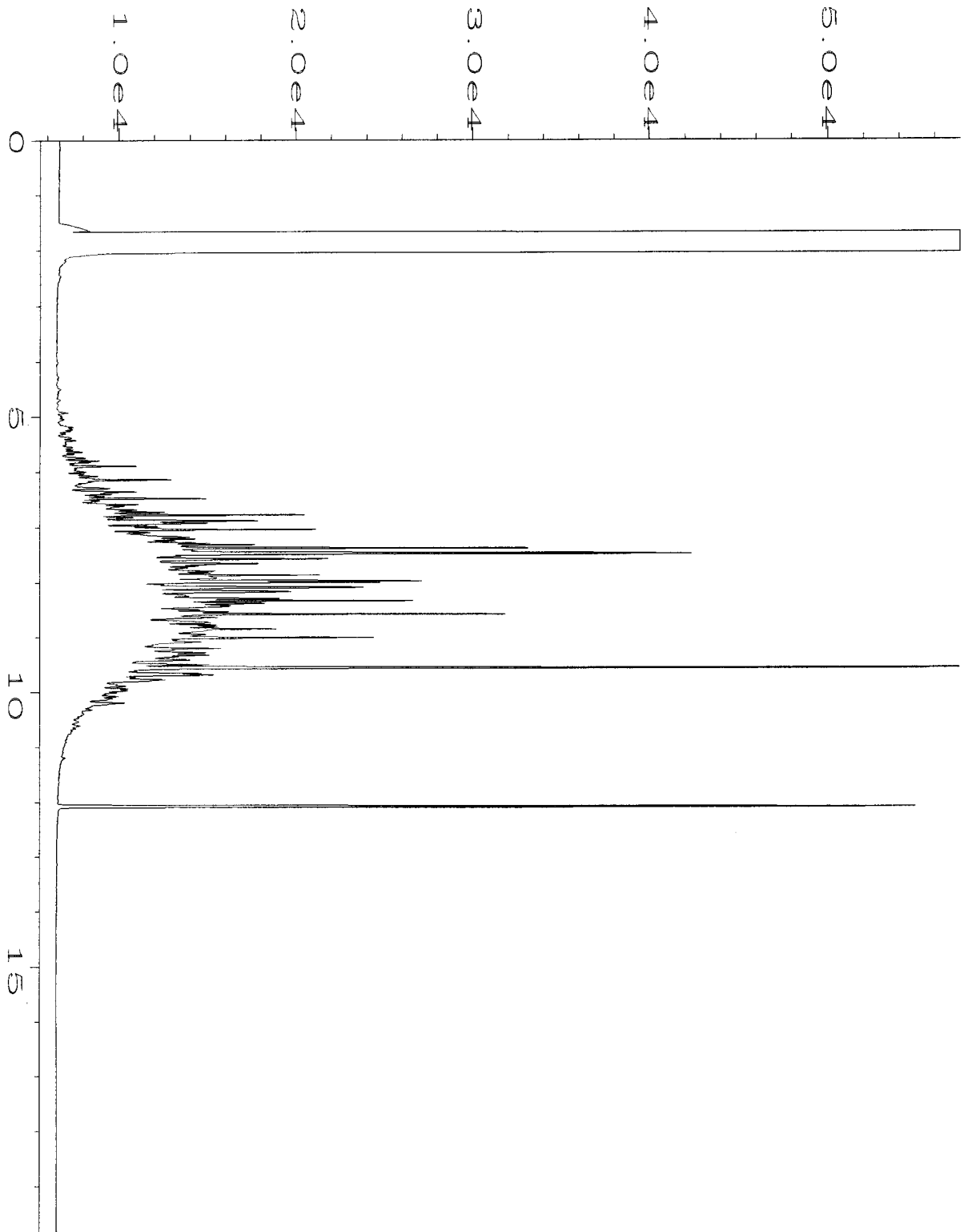
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\028F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 28
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-23	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 06 May 11 10:59 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:12 AM		



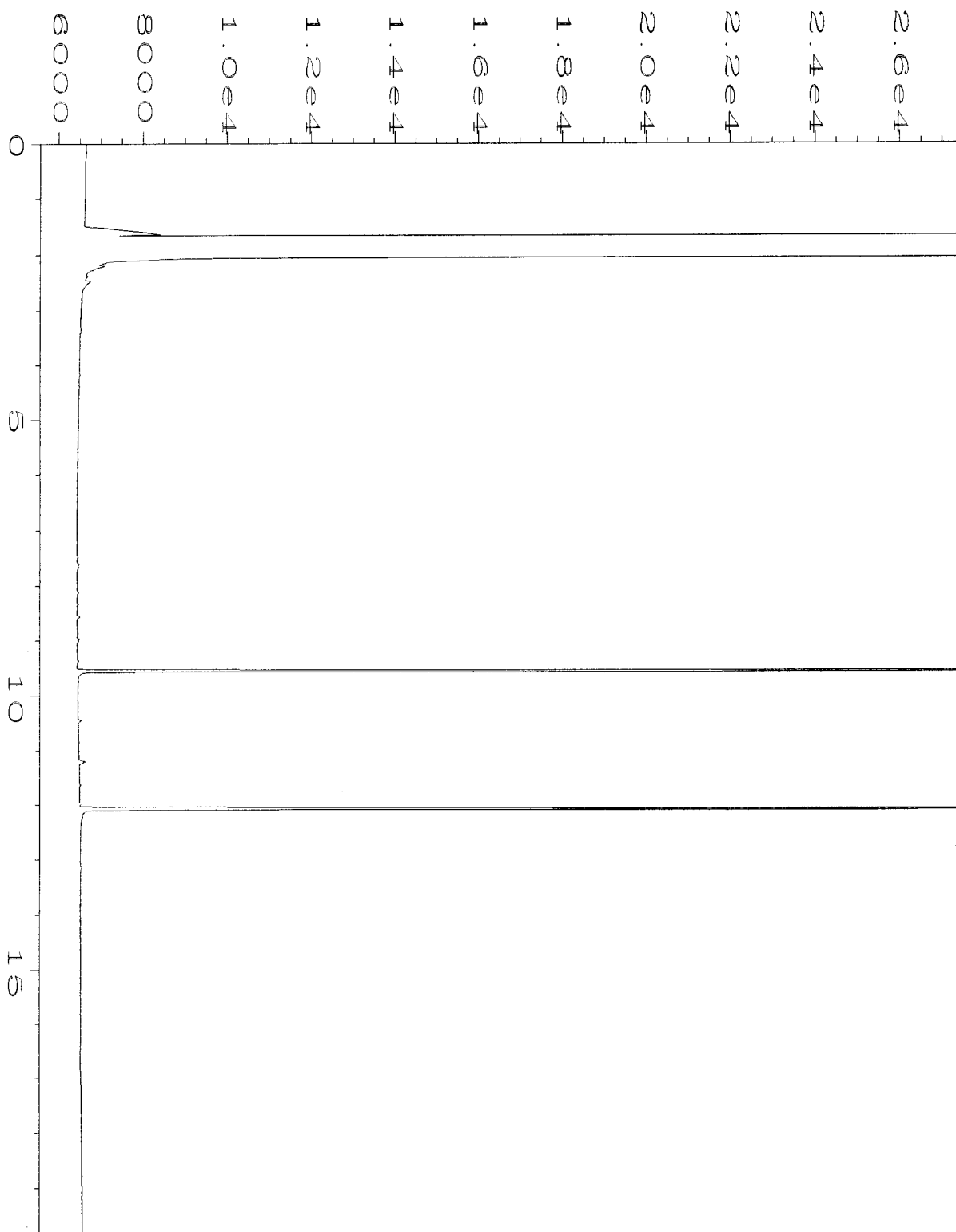
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\029F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 29
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-27	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 06 May 11 11:26 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:13 AM		



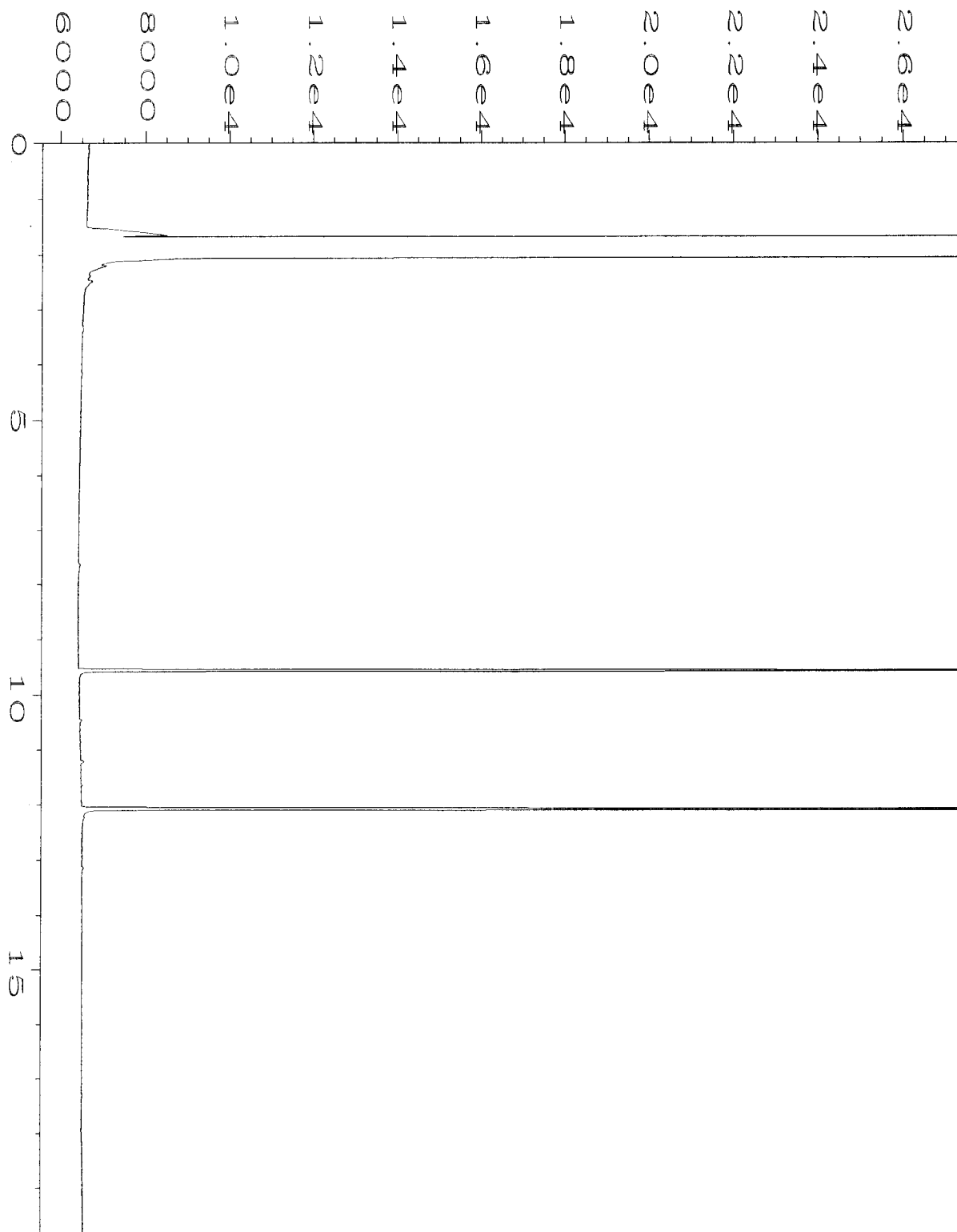
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\030F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 30
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-37	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 06 May 11 11:53 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:13 AM		



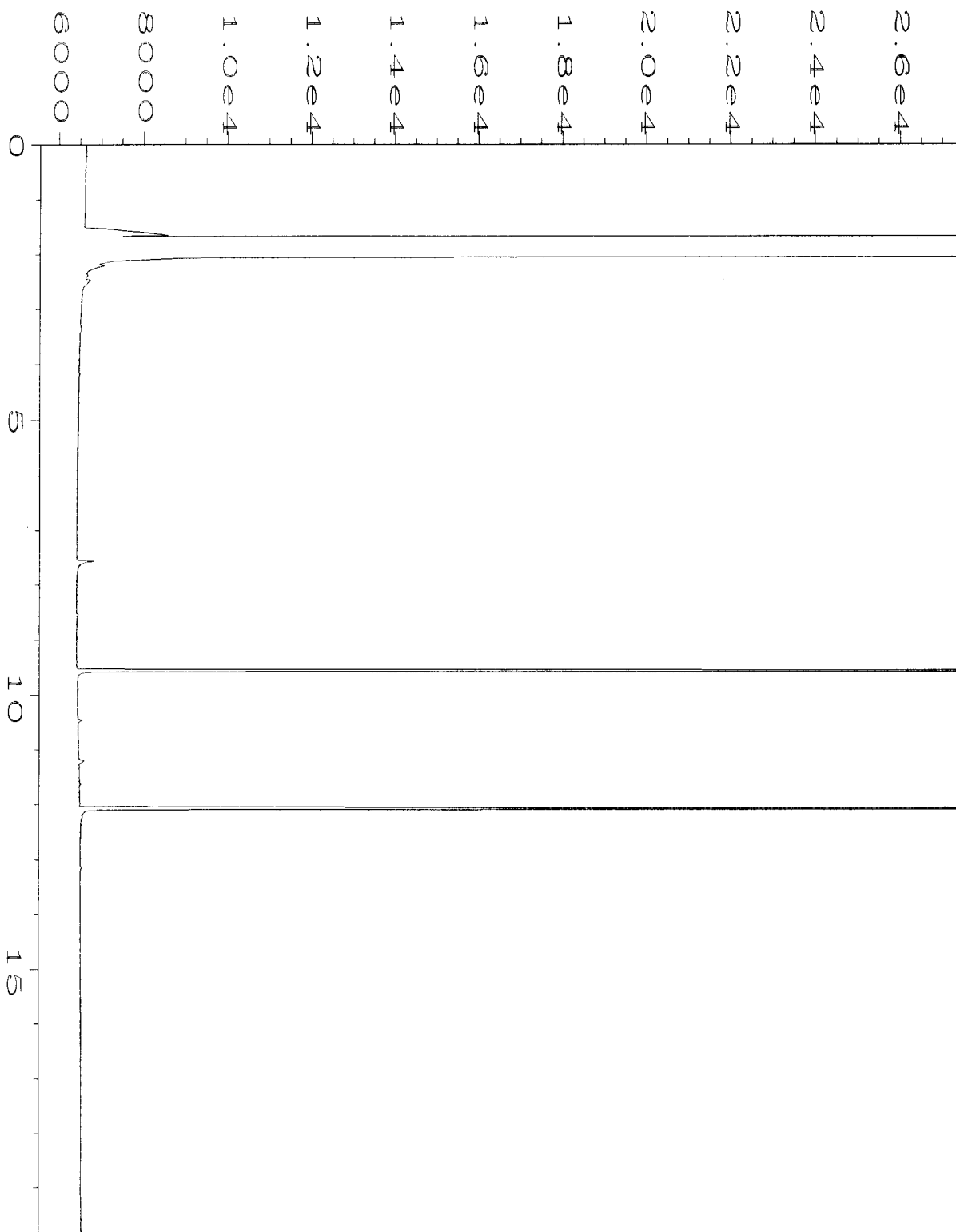
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\031F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 31
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-39	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 07 May 11 00:19 AM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:13 AM		



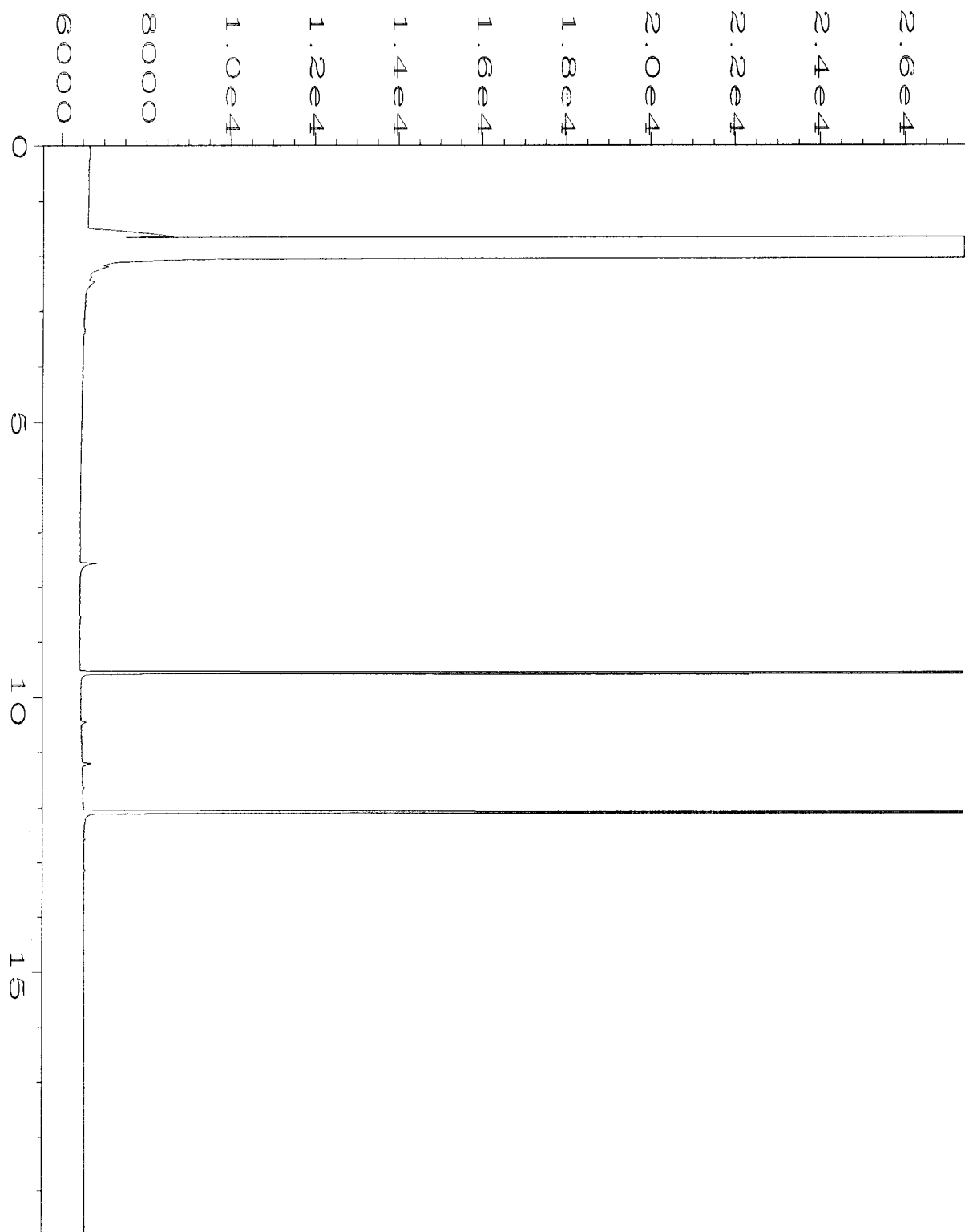
Data File Name	: C:\HPCHEM\1\DATA\05-06-11\032F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 32
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-40	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 07 May 11 00:46 AM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:13 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-06-11\033F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 33
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-41	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 07 May 11 01:13 AM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:13 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-06-11\034F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 34
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-44	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 07 May 11 01:40 AM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:13 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-06-11\035F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 35
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105076-46	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 07 May 11 02:07 AM	Analysis Method	: BAKEOUT.MTH
Report Created on:	09 May 11 09:14 AM		

105076

SAMPLE CHAIN OF CUSTODY

ME 05/06/11

NS4/AOS

Send Report To E. Rothman

Company SundEarth Strategies

Address 2811 Fairview Ave E Salt Lake

City, State, ZIP Salt Lake, WA 98100

Phone # 306.306.1900 Fax # 306.306.1907

Page # 1 of 4

TURNAROUND TIME

Standard (2 Weeks)
 RUSH 5 days (per Env)
Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days
 Return samples
 Will call with instructions

SAMPLERS (signature)	PROJECT NAME/NO.	PO #
<i>[Signature]</i>	0781-006-00	
REMARKS	GEMS Y / N	

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
B05-06	B05	6	011E	5/5/11	0703	Soil	5							H11
B05-07.5		7.5	02		0709									
B05-09		9	03		0733									
B05-11		11	04		0738									
B05-12.5		12.5	05		0744					X				
B05-13.5		13.5	06		0749					X				
B05-15		15	07		0755					X				H11
B05-16.5		16.5	08		0800			X	X	X				
B05-18		18	09		0805					X				H11
B05-19.5		19.5	10		0809					X				
B05-21		21	11		0810					X				H11
B05-22.5		22.5	12		0819					X				
B05-24.5		24.5	13		0823					X				H11

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: *[Signature]*

Chris Cass

SundEarth

5-5-11

1740

Received by: *[Signature]*

Eric Jones

ES&B

5/5/11

9:50

Relinquished by:

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119

Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\SESGEMSRI.DOC (Revision 1)

Samples received at 4 00

105076

SAMPLE CHAIN OF CUSTODY ME 05706111

VS4/AOS

Send Report To E. Rothman

Company Sound Earth Strategies

Address 2811 Fairview Ave E Suite 2000

City, State, ZIP Seattle, WA 98104

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) [Signature]

PROJECT NAME/NO. 0731-006-00

PO #

REMARKS

GEMS Y / N

Page # 2 of 2

TURNDOWN TIME

Standard (2 Weeks) (RUSH 5 days (see ERM))
Rush charges authorized by:

- Standard (2 Weeks)
- RUSH 5 days (see ERM)
- Rush charges authorized by:
- Dispose after 30 days
- Return samples
- Will call with instructions

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
B05-25.5	B05	25.5	ME 5/5/11	5/5/11	0827	Soil	5	X	X	X	X			Hold
B05-27		27			0831			X	X	X	X			Spin Hold
B05-28.5		28.5			0835			X	X	X	X			Hold
B05-30		30			0839									Hold
B05-31.5		31.5			0843									Hold
B05-30.5		30.5			0853									Hold
B05-34.5		34.5			0859									Hold
B05-36.5		36.5			0903									Hold
B05-37.5		37.5			0910									Hold
B05-39		39			0917			X	X	X	X			Hold
B05-40.5		40.5			0922			X	X	X	X			Hold
B05-40		40			0928									Hold
B05-43.5		43.5			0930									Hold

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

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

Requisitioned by: [Signature]

Chris Cass

Sound Earth's

5-5-11

1740

Received by: [Signature]

Bene Janner

PAR

5/6/11

950

105076

SAMPLE CHAIN OF CUSTODY NE 05/06/11

154/AOS

Send Report To E. Rothman

Company Sound Earth Strategies

Address 2811 Fairview Ave E Suite 200

City, State, ZIP Seattle, WA 98100

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. 0731-006-02

REMARKS

GEMS Y / N

Page # 3 of 4

TURNAROUND TIME

Standard (2 Weeks) 5 days
RUSH 5 days (per Est)
Rush charges authorized by:

SAMPLE DISPOSAL
 Standard (2 Weeks)
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
B05-45	B05	45	AE 28	5/5/11	0936	Soil	5	X	X	X	X			H-11
B05-46.5		46.5	29		0946									H-11
B05-48.5		48.5	30		0945									H-11
B05-50		50	31		0953									H-11
B05-51		51	32		0959									H-11
B05-53		53	33		1606									H-11
B05-54.5		54.5	34		1612									H-11
B05-57.5		57.5	35		1090									H-11
B06-06	B06	6	36		1309									H-11
B06-11		11	37		1309									H-11
B06-16		16	38		1385									H-11
B06-21		21	39		1342									H-11
B06-25.5		25.5	40		1348									H-11

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

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

Relinquished by: Chris Cass

Received by: Chris Cass

Relinquished by: Chris Cass

Received by: Chris Cass

Relinquished by: Chris Cass

Received by: Chris Cass

Relinquished by: Chris Cass

Received by: Chris Cass

105076

SAMPLE CHAIN OF CUSTODY

ME 05/06/11

VS4/AOS
4 of 4

Send Report To E. Rothman

Company SandEarth Strategies

Address 2811 Fairview Ave SE Suite 2000

City, State, ZIP Seattle, WA 98109

Phone # 206.366.1410 Fax # 206.366.1417

SAMPLERS (signature)

PROJECT NAME/NO. 0731-006-02

PO #

REMARKS

GEMS Y / N

Page # _____ of _____

TURNAROUND TIME

- Standard (2 Weeks)
 - RUSH 5 days (see Env)
- Rush charges authorized by:

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

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED						Notes	
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals		
BOC-31	BOC	31	4045	5/5/11	1356	Soil	5	X	X	X	X				
BOC-36		36	41		1409			X	X	X	X				
BOC-38		38	42		1408			X	X	X	X				Hold
BOC-39		39	43		1413						X				
BOC-40		40	44		1417			X	X	X	X				
BOC-49		49	45		1491			X	X	X	X				
BOC-43.5		43.5	46		1495			X	X	X	X				
BOC-45.5		45.5	47		1498			X	X	X	X				
BOC-46		46	48		1435						X				Hold
BOC-48.5		48.5	49		1440						X				

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

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<i>[Signature]</i>	Chris Cass	SandEarth	5-5-11	1740
<i>[Signature]</i>	Eric Young	EQB	5/5/11	950
Received by:				

Friedman & Bruya, Inc. #105087

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 12, 2011

Erin Rothman, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Rothman:

Included are the results from the testing of material submitted on May 6, 2011 from the SOU_0731-006-02_20110506, F&BI 105087 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0512R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 6, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-006-02_20110506, F&BI 105087 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
105087-01	Composite-Soil Drum

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Composite-Soil Drum	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506
Date Extracted:	05/09/11	Lab ID:	105087-01
Date Analyzed:	05/10/11	Data File:	105087-01.010
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	103	60	125
Indium	87	60	125
Holmium	92	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	12.1
Arsenic	2.39
Selenium	<1
Silver	<1
Cadmium	<1
Barium	51.5
Lead	6.29

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_0731-006-02_20110506
Date Extracted:	05/09/11	Lab ID:	I1-327 mb
Date Analyzed:	05/10/11	Data File:	I1-327 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	90	60	125
Holmium	94	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Date of Report: 05/12/11
Date Received: 05/06/11
Project: SOU_0731-006-02_20110506, F&BI 105087
Date Extracted: 05/09/11
Date Analyzed: 05/11/11

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**

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

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
Composite-Soil Drum 105087-01	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/06/11

Project: SOU_0731-006-02_20110506, F&BI 105087

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 105087-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/kg (ppm)	50	12.1	103 b	100 b	51-132	3 b
Arsenic	mg/kg (ppm)	10	2.39	104 b	104 b	44-151	0 b
Selenium	mg/kg (ppm)	5	<1	92	94	52-128	2
Silver	mg/kg (ppm)	10	<1	106	106	69-125	0
Cadmium	mg/kg (ppm)	10	<1	105	105	83-120	0
Barium	mg/kg (ppm)	50	51.5	103 b	102 b	47-147	1 b
Lead	mg/kg (ppm)	50	6.29	108	107	65-126	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	105	79-125
Arsenic	mg/kg (ppm)	10	104	80-120
Selenium	mg/kg (ppm)	5	102	81-121
Silver	mg/kg (ppm)	10	106	84-117
Cadmium	mg/kg (ppm)	10	104	89-116
Barium	mg/kg (ppm)	50	98	88-113
Lead	mg/kg (ppm)	50	106	81-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/06/11

Project: SOU_0731-006-02_20110506, F&BI 105087

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 105087-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	70	78	45-162	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	97	63-144

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.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- 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 this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- 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. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- 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.

105087

SAMPLE CHAIN OF CUSTODY ME 05-06-11

BI

Send Report To E. Reimers

Company SandEarth Strategies

Address 8811 Fairview Ave E Suite 2000

City, State, ZIP Seattle, WA 98109

Phone # 206.306.1900 Fax # 206.306.1917

SAMPLERS (signature) <u>[Signature]</u>	
PROJECT NAME/NO. <u>OT81-006-02</u>	PO #
REMARKS	GEMS Y / N

Page # 1 of 1

TURNAROUND TIME

Standard (2 Weeks)

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED				Notes	
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260		SVOC's by 8270
<u>(Composite - 200m)</u>	<u>---</u>	<u>---</u>	<u>01</u>	<u>5/6/11</u>	<u>1400</u>	<u>Soil</u>	<u>1</u>					<u>X</u>	
<u>5/6/11</u>													
<u>5/6/11</u>													

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
<u>[Signature]</u>	<u>[Signature]</u>	<u>David Mendel</u>		<u>SES</u>		<u>5/6/11</u>	<u>1711</u>
<u>[Signature]</u>	<u>[Signature]</u>	<u>VINH</u>		<u>FBI</u>		<u>5/6/11</u>	<u>1711</u>
Received by:							
Relinquished by:							
Received by:							
Relinquished by:							

Friedman & Bruya, Inc. #105088

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 12, 2011

Erin Rothman, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Rothman:

Included are the results from the testing of material submitted on May 6, 2011 from the SOU_0731-006-02_20110506, F&BI 105088 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0512R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 6, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-006-02_20110506, F&BI 105088 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
105088-01	B07-06
105088-02	B07-16.5
105088-03	B07-21.5
105088-04	B07-23
105088-05	B07-24
105088-06	B07-29
105088-07	B07-32
105088-08	B07-33.5
105088-09	B07-35
105088-10	B07-36.5
105088-11	B07-38
105088-12	B07-39.5
105088-13	B07-41
105088-14	B07-42.5
105088-15	B07-44
105088-16	B07-45
105088-17	B07-47
105088-18	B04-48.5
105088-19	B07-50
105088-20	B07-51.5
105088-21	B07-53
105088-22	B07-54.5
105088-23	B07-56
105088-24	B08-20.5
105088-25	B08-25.5
105088-26	B08-30.5
105088-27	B08-35.5
105088-28	B08-40.5
105088-29	B08-45.5
105088-30	B08-50.5
105088-31	B08-55.5

Samples B08-50.5 and B08-55.5 were not received in 5035 sampling containers. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11
 Date Received: 05/06/11
 Project: SOU_0731-006-02_20110506, F&BI 105088
 Date Extracted: 05/09/11
 Date Analyzed: 05/09/11

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

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

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-132)
B07-06 105088-01	<0.02	<0.02	<0.02	<0.06	<2	89
B07-24 105088-05	<0.02	<0.02	<0.02	<0.06	<2	71
B07-45 105088-16	<0.02	<0.02	<0.02	<0.06	<2	86
B07-50 105088-19	<0.02	<0.02	<0.02	<0.06	<2	67
B08-30.5 105088-26	<0.02	<0.02	<0.02	<0.06	<2	69
Method Blank 01-851 MB	<0.02	<0.02	<0.02	<0.06	<2	80

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11
Date Received: 05/06/11
Project: SOU_0731-006-02_20110506, F&BI 105088
Date Extracted: 05/09/11
Date Analyzed: 05/09/11

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B07-06 105088-01	<50	<250	107
B07-24 105088-05	<50	<250	105
B07-45 105088-16	<50	<250	104
B07-50 105088-19	<50	<250	105
B08-30.5 105088-26	<50	<250	107
Method Blank 01-850 MB	<50	<250	99

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-06	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-01
Date Analyzed:	05/09/11	Data File:	050919.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	158
Toluene-d8	106	42	159
4-Bromofluorobenzene	95	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-16.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-02
Date Analyzed:	05/09/11	Data File:	050920.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	112	42	158
Toluene-d8	103	42	159
4-Bromofluorobenzene	90	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-21.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-03
Date Analyzed:	05/09/11	Data File:	050921.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	94	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-23	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-04
Date Analyzed:	05/09/11	Data File:	050922.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	94	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-24	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-05
Date Analyzed:	05/09/11	Data File:	050923.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	90	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-29	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-06
Date Analyzed:	05/10/11	Data File:	050924.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	114	42	158
Toluene-d8	106	42	159
4-Bromofluorobenzene	95	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-32	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-07
Date Analyzed:	05/10/11	Data File:	050925.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-36.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-10
Date Analyzed:	05/10/11	Data File:	050926.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-39.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-12
Date Analyzed:	05/10/11	Data File:	050927.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	93	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B07-45	Client: SoundEarth Strategies
Date Received: 05/06/11	Project: SOU_0731-006-02_20110506, F&BI 105088
Date Extracted: 05/09/11	Lab ID: 105088-16
Date Analyzed: 05/10/11	Data File: 050928.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	115	42	158
Toluene-d8	106	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B07-50	Client: SoundEarth Strategies
Date Received: 05/06/11	Project: SOU_0731-006-02_20110506, F&BI 105088
Date Extracted: 05/09/11	Lab ID: 105088-19
Date Analyzed: 05/10/11	Data File: 051004.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	42	158
Toluene-d8	109	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	0.065

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-51.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-20
Date Analyzed:	05/10/11	Data File:	051005.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	124	42	158
Toluene-d8	113	42	159
4-Bromofluorobenzene	99	36	160

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	0.066
1,2-Dichloroethane (EDC)	<0.05
1,1,1-Trichloroethane	<0.05
Trichloroethene	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B07-54.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-22
Date Analyzed:	05/10/11	Data File:	051006.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	118	42	158
Toluene-d8	108	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-20.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-24
Date Analyzed:	05/10/11	Data File:	051007.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	94	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-25.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-25
Date Analyzed:	05/10/11	Data File:	051008.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	121	42	158
Toluene-d8	109	42	159
4-Bromofluorobenzene	95	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-30.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-26
Date Analyzed:	05/10/11	Data File:	051009.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	115	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	94	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-35.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-27
Date Analyzed:	05/10/11	Data File:	051010.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	114	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-40.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-28
Date Analyzed:	05/10/11	Data File:	051013.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	89	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-45.5	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-29
Date Analyzed:	05/10/11	Data File:	051014.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	158
Toluene-d8	108	42	159
4-Bromofluorobenzene	94	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B08-50.5 pc	Client: SoundEarth Strategies
Date Received: 05/06/11	Project: SOU_0731-006-02_20110506, F&BI 105088
Date Extracted: 05/09/11	Lab ID: 105088-30
Date Analyzed: 05/10/11	Data File: 051015.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	94	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08-55.5 pc	Client:	SoundEarth Strategies
Date Received:	05/06/11	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	105088-31
Date Analyzed:	05/10/11	Data File:	051016.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	158
Toluene-d8	112	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	01-804 mb
Date Analyzed:	05/09/11	Data File:	050905.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	158
Toluene-d8	113	42	159
4-Bromofluorobenzene	101	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-006-02_20110506, F&BI 105088
Date Extracted:	05/09/11	Lab ID:	01-806 mb
Date Analyzed:	05/09/11	Data File:	050912.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	91	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/06/11

Project: SOU_0731-006-02_20110506, F&BI 105088

**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: 105088-26 (Duplicate)

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	94	66-121
Toluene	mg/kg (ppm)	0.5	100	72-128
Ethylbenzene	mg/kg (ppm)	0.5	104	69-132
Xylenes	mg/kg (ppm)	1.5	104	69-131
Gasoline	mg/kg (ppm)	20	100	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/06/11

Project: SOU_0731-006-02_20110506, F&BI 105088

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

Laboratory Code: 105085-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	100	104	63-146	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	105	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/06/11

Project: SOU_0731-006-02_20110506, F&BI 105088

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

Laboratory Code: 105086-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	
				Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	26	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	38	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	39	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	47	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	47	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	46	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	49	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	52	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	48	27-119
Trichloroethene	mg/kg (ppm)	2.5	<0.03	47	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	44	29-117

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent		Acceptance Criteria	RPD (Limit 20)
			Recovery LCS	Recovery LCSD		
Vinyl chloride	mg/kg (ppm)	2.5	64	70	29-135	9
Chloroethane	mg/kg (ppm)	2.5	75	81	10-281	8
1,1-Dichloroethene	mg/kg (ppm)	2.5	78	87	22-151	11
Methylene chloride	mg/kg (ppm)	2.5	73	85	42-144	15
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	87	100	60-125	14
1,1-Dichloroethane	mg/kg (ppm)	2.5	85	94	66-123	10
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	87	95	72-118	9
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	87	93	60-124	7
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	95	102	68-128	7
Trichloroethene	mg/kg (ppm)	2.5	89	92	71-122	3
Tetrachloroethene	mg/kg (ppm)	2.5	85	90	69-125	6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/06/11

Project: SOU_0731-006-02_20110506, F&BI 105088

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

Laboratory Code: 105088-31 (Matrix Spike)

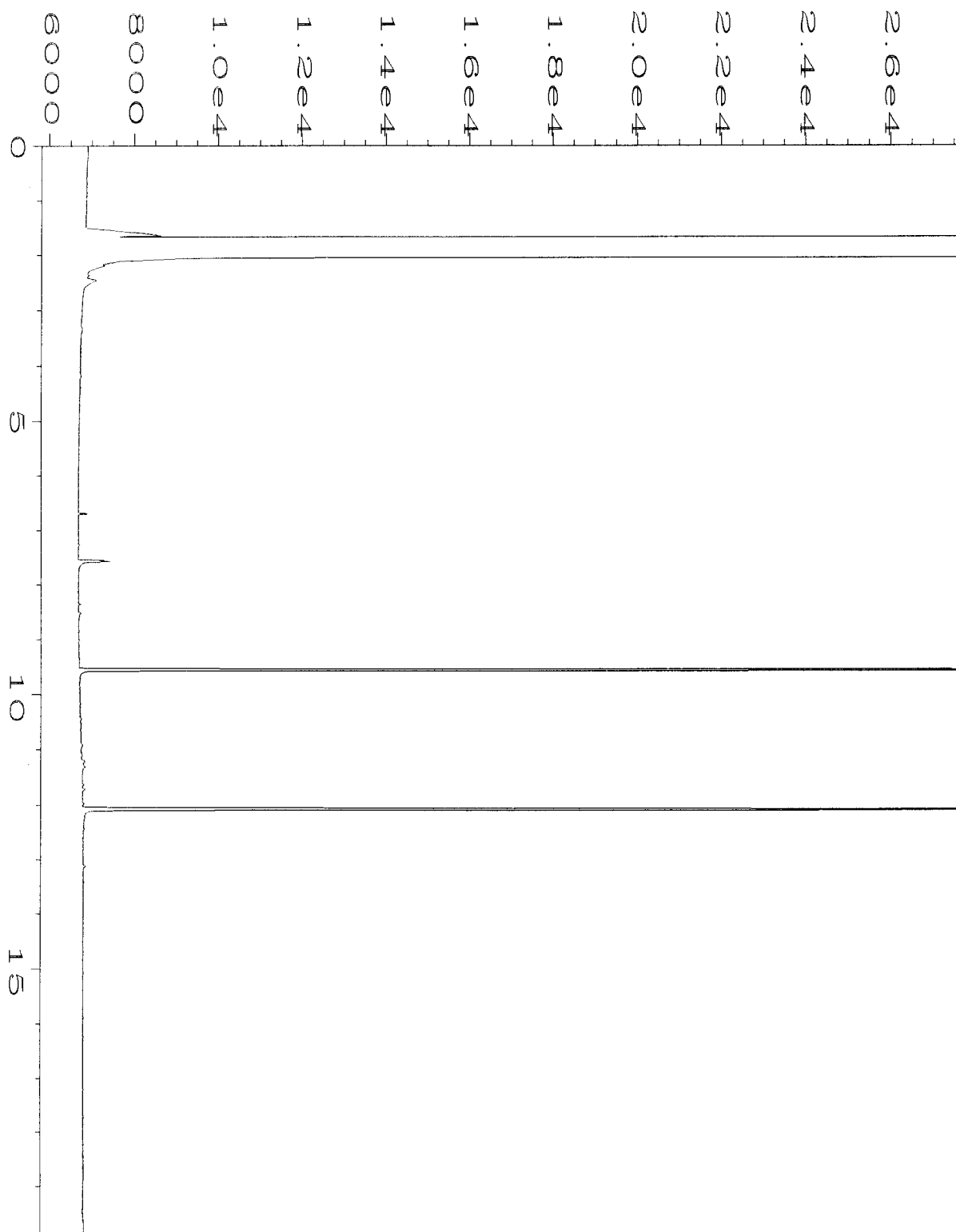
Analyte	Reporting Units	Spike Level	Sample Result	Percent	
				Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	43	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	65	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	64	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	62	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	74	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	69	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	69	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	74	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	71	27-119
Trichloroethene	mg/kg (ppm)	2.5	<0.03	71	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	66	29-117

Laboratory Code: Laboratory Control Sample

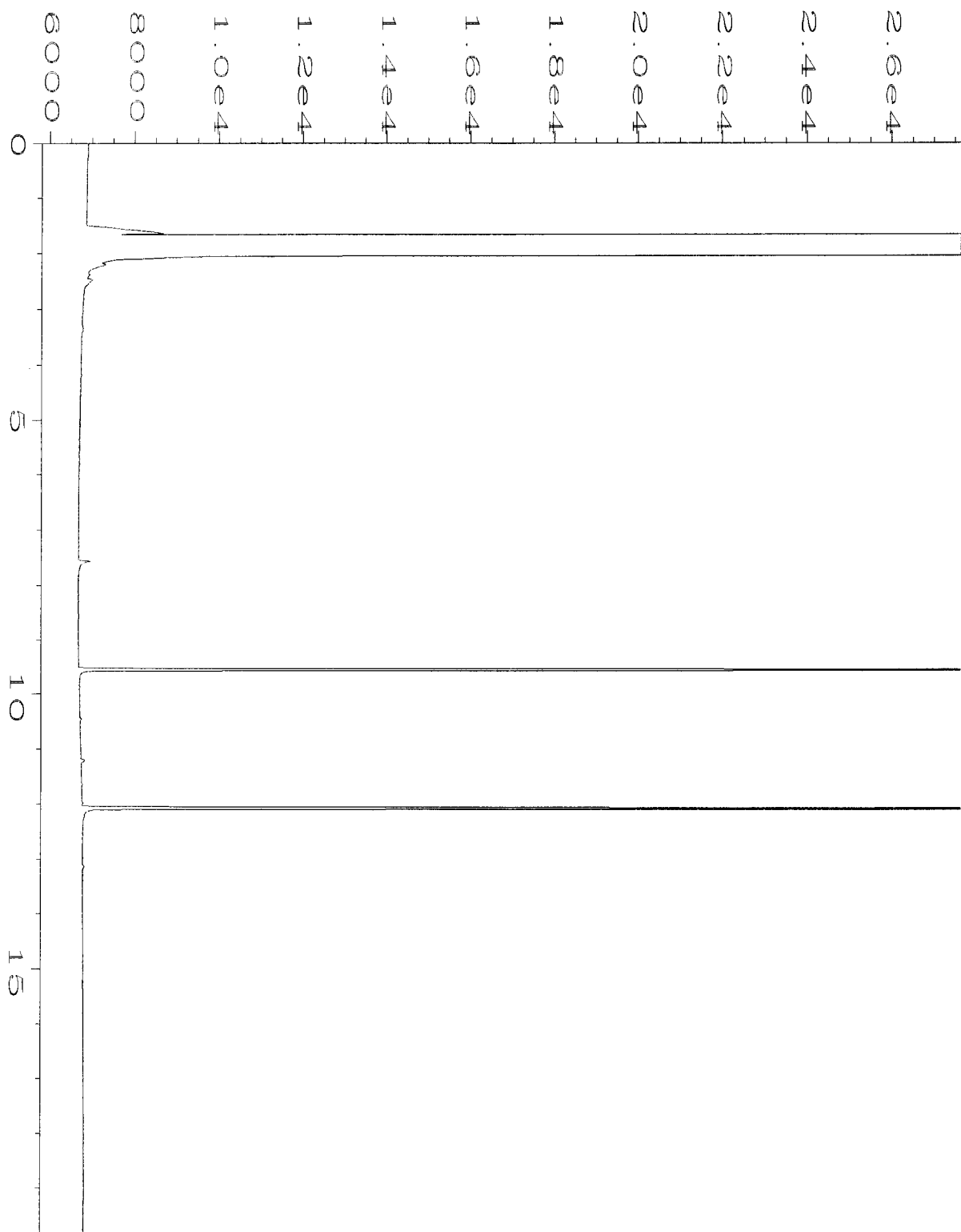
Analyte	Reporting Units	Spike Level	Percent		Acceptance Criteria	RPD (Limit 20)
			Recovery LCS	Recovery LCSD		
Vinyl chloride	mg/kg (ppm)	2.5	64	69	29-135	8
Chloroethane	mg/kg (ppm)	2.5	62	71	10-281	14
1,1-Dichloroethene	mg/kg (ppm)	2.5	76	77	22-151	1
Methylene chloride	mg/kg (ppm)	2.5	70	75	42-144	7
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	81	94	60-125	15
1,1-Dichloroethane	mg/kg (ppm)	2.5	80	85	66-123	6
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	82	86	72-118	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	85	84	60-124	1
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	89	92	68-128	3
Trichloroethene	mg/kg (ppm)	2.5	84	85	71-122	1
Tetrachloroethene	mg/kg (ppm)	2.5	82	81	69-125	1

Data Qualifiers & Definitions

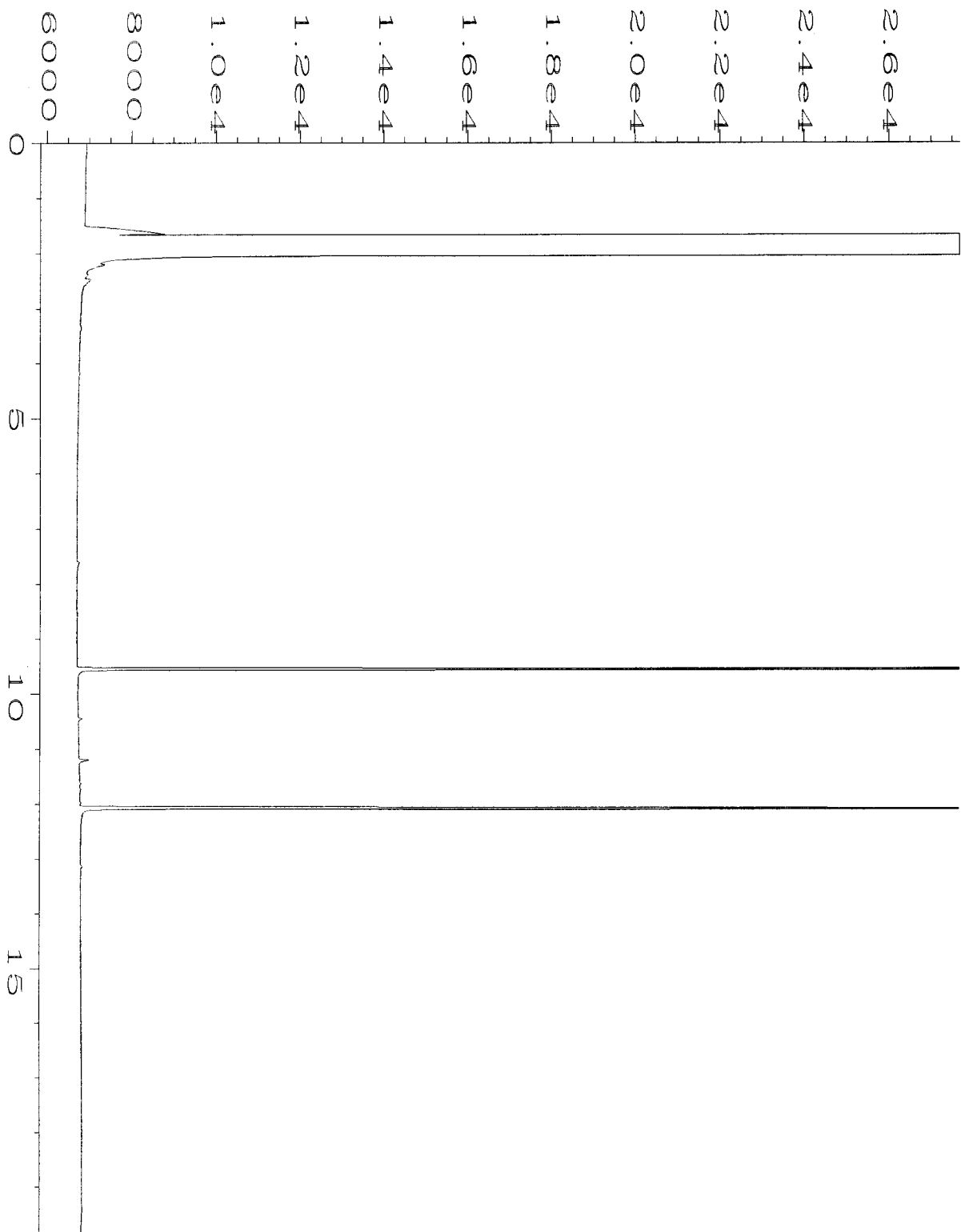
- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked 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 this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- 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. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- 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.



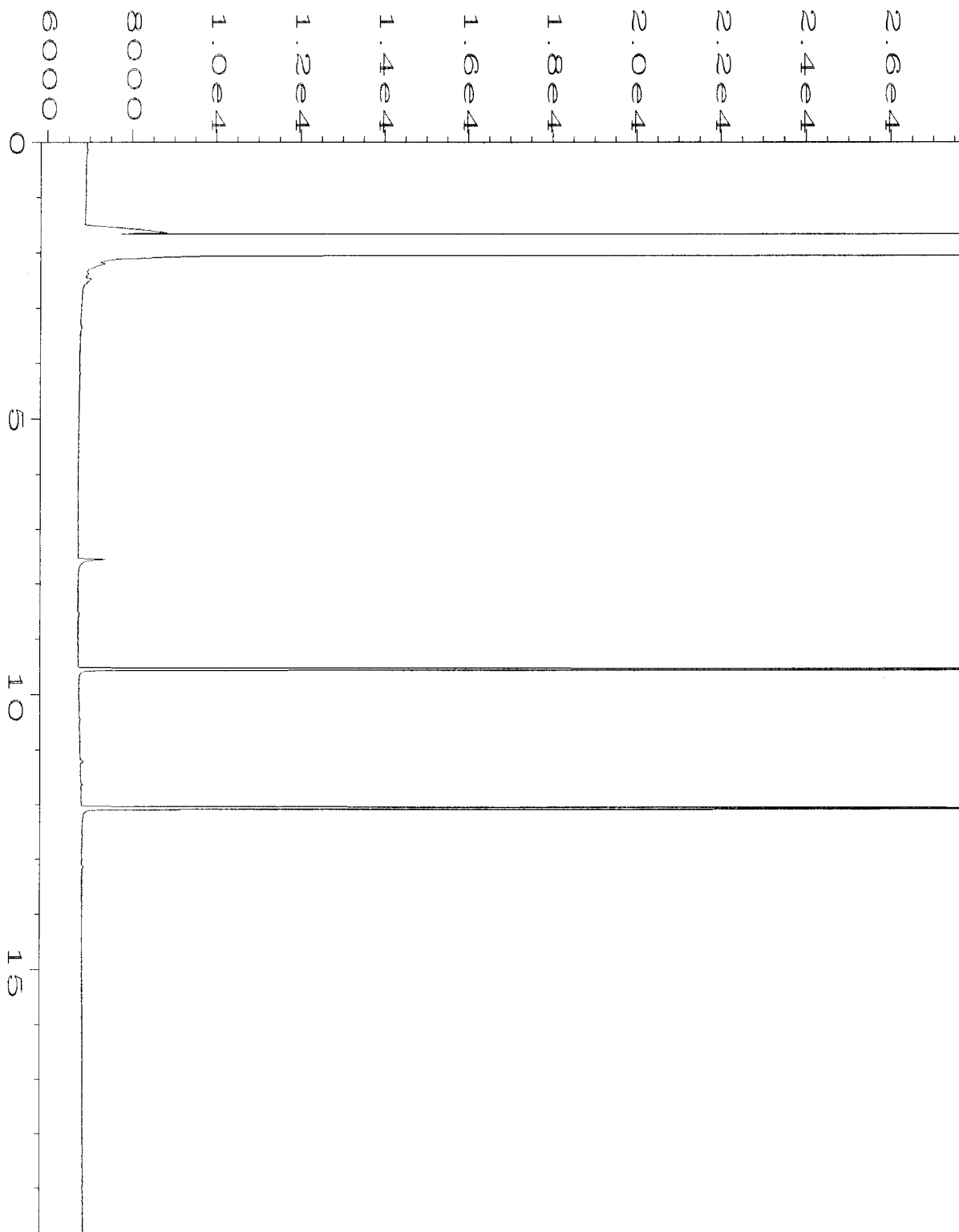
Data File Name	: C:\HPCHEM\1\DATA\05-09-11\023F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 23
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105088-01	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 09 May 11 08:15 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	10 May 11 09:23 AM		



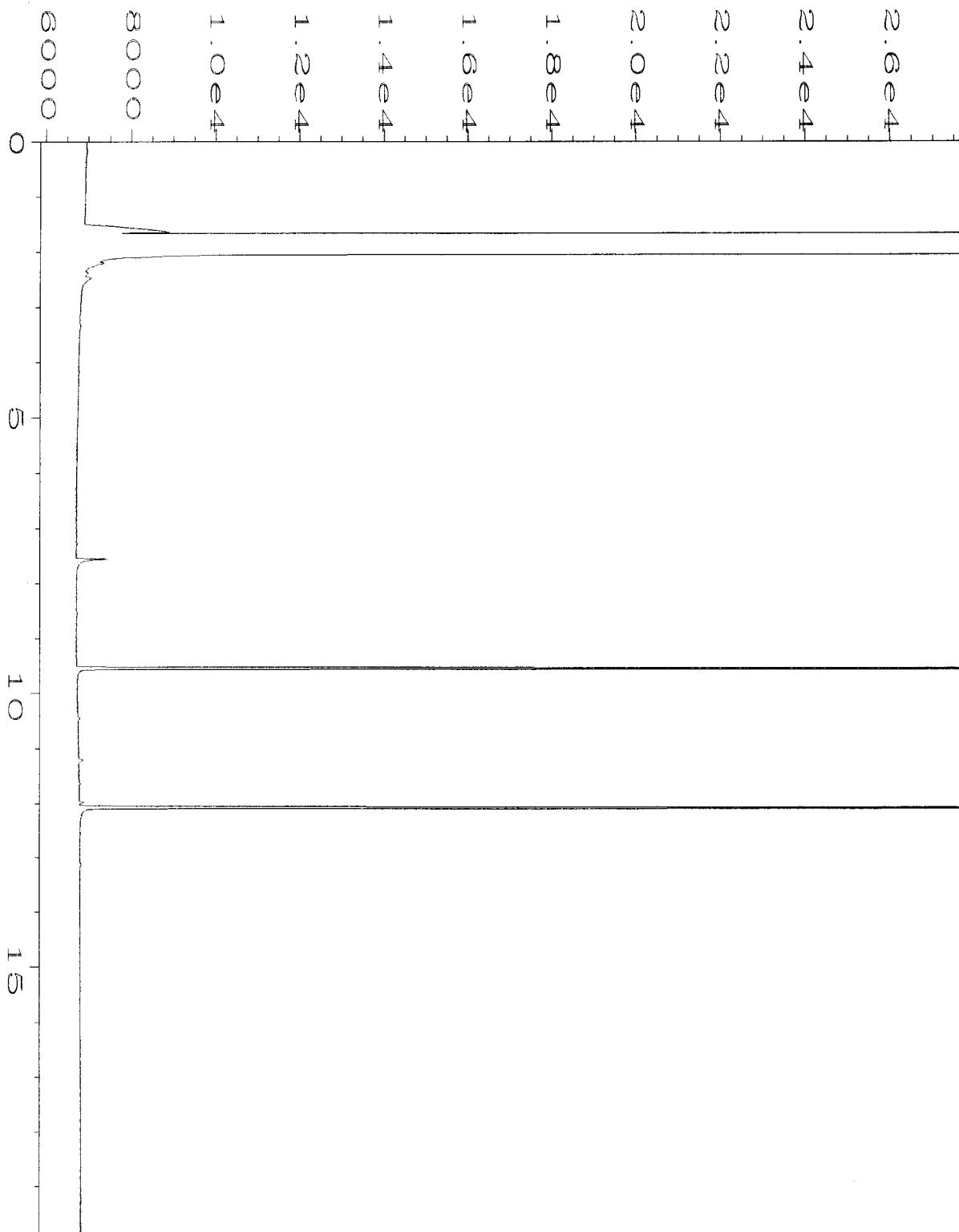
Data File Name	: C:\HPCHEM\1\DATA\05-09-11\024F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 24
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105088-05	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 09 May 11 08:42 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	10 May 11 09:23 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-09-11\025F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 25
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105088-16	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 09 May 11 09:09 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	10 May 11 09:24 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-09-11\026F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 26
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105088-19	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 09 May 11 09:36 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	10 May 11 09:24 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-09-11\027F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 27
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105088-26	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 09 May 11 10:03 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	10 May 11 09:24 AM		

105088

SAMPLE CHAIN OF CUSTODY

ME 05-06-11

B13/1033

SAMPLERS (signature) [Signature]

PROJECT NAME/NO. 0731-000-00

PO #

REMARKS

GEMS Y / N

Page # of

TURNAROUND TIME

- Standard (2 Weeks)
 - RUSH 5 day (500)
- Rush charges authorized by:

SAMPLE DISPOSAL

- Dispose after 30 days
- Return samples
- Will call with instructions

Send Report To E. Rotman
 Company SundEarth Strategies
 Address 2811 Fairview Ave E Suite 200
 City, State, ZIP Seattle, WA 98109
 Phone # 206.366.1900 Fax # 206.366.1917

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
B01-06	B01	6	01A-E	5/6/11	0710	Soil	5	X	X	X	X			
B01-16.5		16.5	02A-E		0707					X	X			
B01-01.5		01.5	02A-E		0730					X	X			
B01-03		03	04A-E		0737					X	X			
B01-04		04	05A-E		0740			X	X	X	X			
B01-09		09	06A-E		0750					X	X			
B01-30		30	07A-E		0800					X				
B01-33.5		33.5	08		0808									HOLD
B01-35		35	09A-E		0815		5							HOLD
B01-36.5		36.5	10A-E		0818					X				HOLD
B01-38		38	11A-E		0803									HOLD
B01-39.5		39.5	12A-E		0807					X				HOLD
B01-41		41	13A-E		0830									HOLD

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: [Signature]	[Signature]	David Mendel		SCS		5/6/11	174
Received by: [Signature]	[Signature]	VINH		FB7		5/6/11	174
Relinquished by:							
Received by:							

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

Samples received at 3 °C

105088

SAMPLE CHAIN OF CUSTODY

ME 05-06-11

B73 / V83
2 / 3

Send Report To E. Robinson

Company Small Earth Strategies

Address 2811 Firman Ave E Suite 200

City, State, ZIP Seattle, WA 98103

Phone # 206.306.9500 Fax # 206.306.1907

SAMPLERS (signature) <u>[Signature]</u>		PROJECT NAME/NO. <u>0731-006-09</u>	PO #
REMARKS		GEMMS Y / N	

Page # 2 of 3

TURNAROUND TIME

Standard (2 Weeks)

RUSH 5 day turn

Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
B07-40.5	B07	40.5	44AE	5/6/11	0834	Soil	5							HOLD
B07-44		44	15AE		0840									HOLD
B07-45		45	16AE		0848			X	X	X	X			HOLD
B07-47		47	17AE		0859									HOLD
B07-48.5		48.5	18AE		0857									HOLD
B07-50		50	19AE		0902			X	X	X	X			
B07-51.5		51.5	20AE		0904									
B07-53		53	21AE		0910									HOLD
B07-54.5		54.5	22AE		0913									
B07-56		56	23AE		0929									HOLD
B08-90.5	B08	90.5	24AE		1919		5							
B08-95.5		95.5	25AE		1927									
B08-30.5		30.5	26AE		1935			X	X	X	X			

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

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<u>[Signature]</u>	<u>[Signature]</u>	David Mendel		SES		5/6/11	1711
<u>[Signature]</u>	<u>[Signature]</u>	VINH		FBI		5/6/11	1711
Received by:							
Relinquished by:							
Received by:							

105088

SAMPLE CHAIN OF CUSTODY NE 05-06-11

BT3/V33
3

Send Report To E. Robinson

Company SwindEarth Studios

Address 2811 Firmin Ave E Seattle

City, State, ZIP Seattle, WA 98109

Phone # 206.366.1907 Fax # 206.366.1907

SAMPLERS (signature)

PROJECT NAME/NO.

PO #

REMARKS

GEMS Y / N

Page # of

TURNAROUND TIME

- Standard (2 weeks)
 - RUSH 5 day (extra)
- Rush charges authorized by: _____

SAMPLE DISPOSAL

- Dispose after 30 days
- Return samples
- Will call with instructions

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
BO8-35.5	BO8	35.5	27A-E	5/6/11	1243	Soil	5			X	X			
BO8-40.5	BO8	40.5	28A-E		1255		↓			X	X			
BO8-45.5		45.5	29A-E		1259					X	X			
BO8-50.5		50.5	30		1305					X	X			
BO8-55.5		55.5	31		1317					X	X			Hot jar only Hot jar only
Am Seattle														

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
	David Mordeai	SES	5/6/11	1711
	VINH	FBI	5/6/11	1711
Received by:		Samples received at		

Friedman & Bruya, Inc. #105110

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 13, 2011

Erin Rothman, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Rothman:

Included are the results from the testing of material submitted on May 10, 2011 from the SOU_0731-006-02_20110510, F&BI 105110 project. There are 22 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0513R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 10, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0731-006-02_20110510, F&BI 105110 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
105110-01	B10-19.5
105110-02	B10-24.5
105110-03	B10-29.5
105110-04	B10-39.5
105110-05	B10-44.5
105110-06	B09-06.5
105110-07	B09-11.5
105110-08	B09-15.5
105110-09	B09-21
105110-10	B09-25.5
105110-11	B09-30.5
105110-12	B09-35.5
105110-13	B09-40.5
105110-14	B09-44.5

Samples B10-44.5 and B09-44.5 were not received in 5035 sampling containers. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11
 Date Received: 05/10/11
 Project: SOU_0731-006-02_20110510, F&BI 105110
 Date Extracted: 05/12/11
 Date Analyzed: 05/12/11

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

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

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-132)
B10-19.5 105110-01	<0.02	<0.02	<0.02	<0.06	<2	85
B10-24.5 105110-02	<0.02	<0.02	<0.02	<0.06	<2	71
B10-39.5 105110-04	<0.02	<0.02	<0.02	<0.06	<2	86
B09-06.5 105110-06	<0.02	<0.02	<0.02	<0.06	<2	88
B09-15.5 105110-08	<0.02	<0.02	<0.02	<0.06	<2	85
B09-30.5 105110-11	<0.02	<0.02	<0.02	<0.06	<2	75
Method Blank 01-866 MB	<0.02	<0.02	<0.02	<0.06	<2	72

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11
 Date Received: 05/10/11
 Project: SOU_0731-006-02_20110510, F&BI 105110
 Date Extracted: 05/10/11
 Date Analyzed: 05/10/11

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
B10-19.5 105110-01	<50	<250	112
B10-24.5 105110-02	<50	<250	109
B10-39.5 105110-04	<50	<250	115
B09-06.5 105110-06	<50	<250	114
B09-15.5 105110-08	<50	<250	111
B09-30.5 105110-11	<50	<250	109
Method Blank 01-858 MB	<50	<250	105

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B10-19.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-01
Date Analyzed:	05/11/11	Data File:	051126.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	53	42	158
Toluene-d8	100	42	159
4-Bromofluorobenzene	89	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B10-24.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-02
Date Analyzed:	05/11/11	Data File:	051127.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	113	42	158
Toluene-d8	102	42	159
4-Bromofluorobenzene	89	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B10-29.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-03
Date Analyzed:	05/12/11	Data File:	051128.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	42	158
Toluene-d8	101	42	159
4-Bromofluorobenzene	88	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B10-39.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-04
Date Analyzed:	05/12/11	Data File:	051129.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	101	42	159
4-Bromofluorobenzene	89	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B10-44.5 pc	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-05
Date Analyzed:	05/12/11	Data File:	051140.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	158
Toluene-d8	110	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-06.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-06
Date Analyzed:	05/12/11	Data File:	051131.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	42	158
Toluene-d8	102	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-11.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-07
Date Analyzed:	05/12/11	Data File:	051132.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	42	158
Toluene-d8	101	42	159
4-Bromofluorobenzene	90	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-15.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-08
Date Analyzed:	05/12/11	Data File:	051133.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	120	42	158
Toluene-d8	110	42	159
4-Bromofluorobenzene	97	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-21	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-09
Date Analyzed:	05/12/11	Data File:	051134.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	97	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-25.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-10
Date Analyzed:	05/12/11	Data File:	051135.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	158
Toluene-d8	110	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-30.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-11
Date Analyzed:	05/12/11	Data File:	051136.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	158
Toluene-d8	105	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-35.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-12
Date Analyzed:	05/12/11	Data File:	051137.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	116	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	95	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09-40.5	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	105110-13
Date Analyzed:	05/12/11	Data File:	051138.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	119	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	96	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: B09-44.5 pc	Client: SoundEarth Strategies
Date Received: 05/10/11	Project: SOU_0731-006-02_20110510, F&BI 105110
Date Extracted: 05/11/11	Lab ID: 105110-14
Date Analyzed: 05/12/11	Data File: 051139.D
Matrix: Soil	Instrument: GCMS5
Units: mg/kg (ppm)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	118	42	158
Toluene-d8	107	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0731-006-02_20110510, F&BI 105110
Date Extracted:	05/11/11	Lab ID:	01-810 mb
Date Analyzed:	05/11/11	Data File:	051124.D
Matrix:	Soil	Instrument:	GCMS5
Units:	mg/kg (ppm)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	42	158
Toluene-d8	104	42	159
4-Bromofluorobenzene	92	36	160

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	<0.03
Tetrachloroethene	<0.025

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/10/11

Project: SOU_0731-006-02_20110510, F&BI 105110

**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: 105110-04 (Duplicate)

Analyte	Reporting Units	(Wet Wt) Sample Result	(Wet Wt) Duplicate Result	Relative Percent Difference (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	99	66-121
Toluene	mg/kg (ppm)	0.5	105	72-128
Ethylbenzene	mg/kg (ppm)	0.5	113	69-132
Xylenes	mg/kg (ppm)	1.5	112	69-131
Gasoline	mg/kg (ppm)	20	120	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/10/11

Project: SOU_0731-006-02_20110510, F&BI 105110

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

Laboratory Code: 105103-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	110	109	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	105	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/13/11

Date Received: 05/10/11

Project: SOU_0731-006-02_20110510, F&BI 105110

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

Laboratory Code: 105110-14 (Matrix Spike)

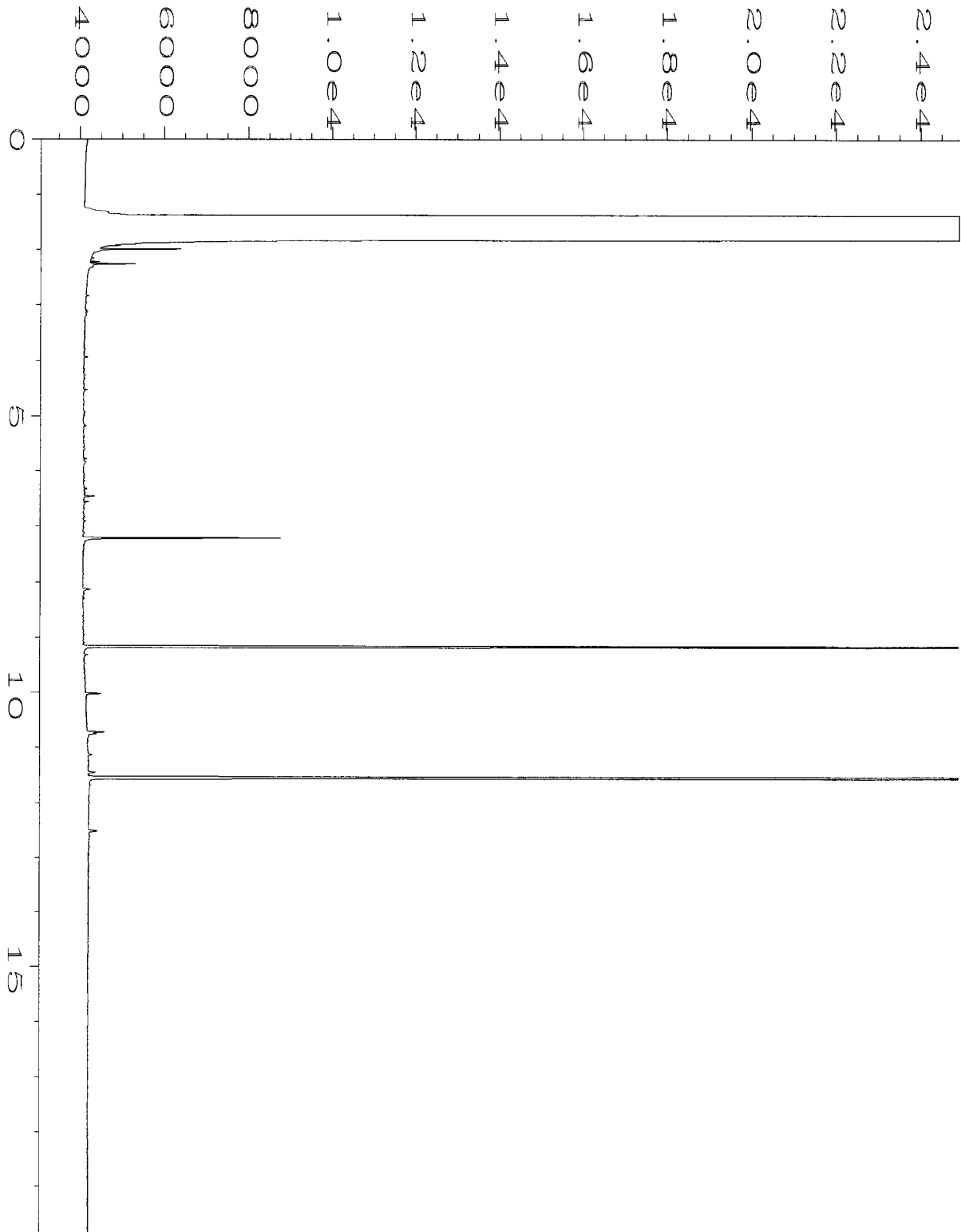
Analyte	Reporting Units	Spike Level	Sample Result	Percent	
				Recovery MS	Acceptance Criteria
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	52	10-166
Chloroethane	mg/kg (ppm)	2.5	<0.5	72	10-161
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	73	10-168
Methylene chloride	mg/kg (ppm)	2.5	<0.5	76	21-149
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	89	20-150
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	80	30-114
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	80	36-111
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	88	38-116
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	86	27-119
Trichloroethene	mg/kg (ppm)	2.5	<0.03	81	36-113
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	74	29-117

Laboratory Code: Laboratory Control Sample

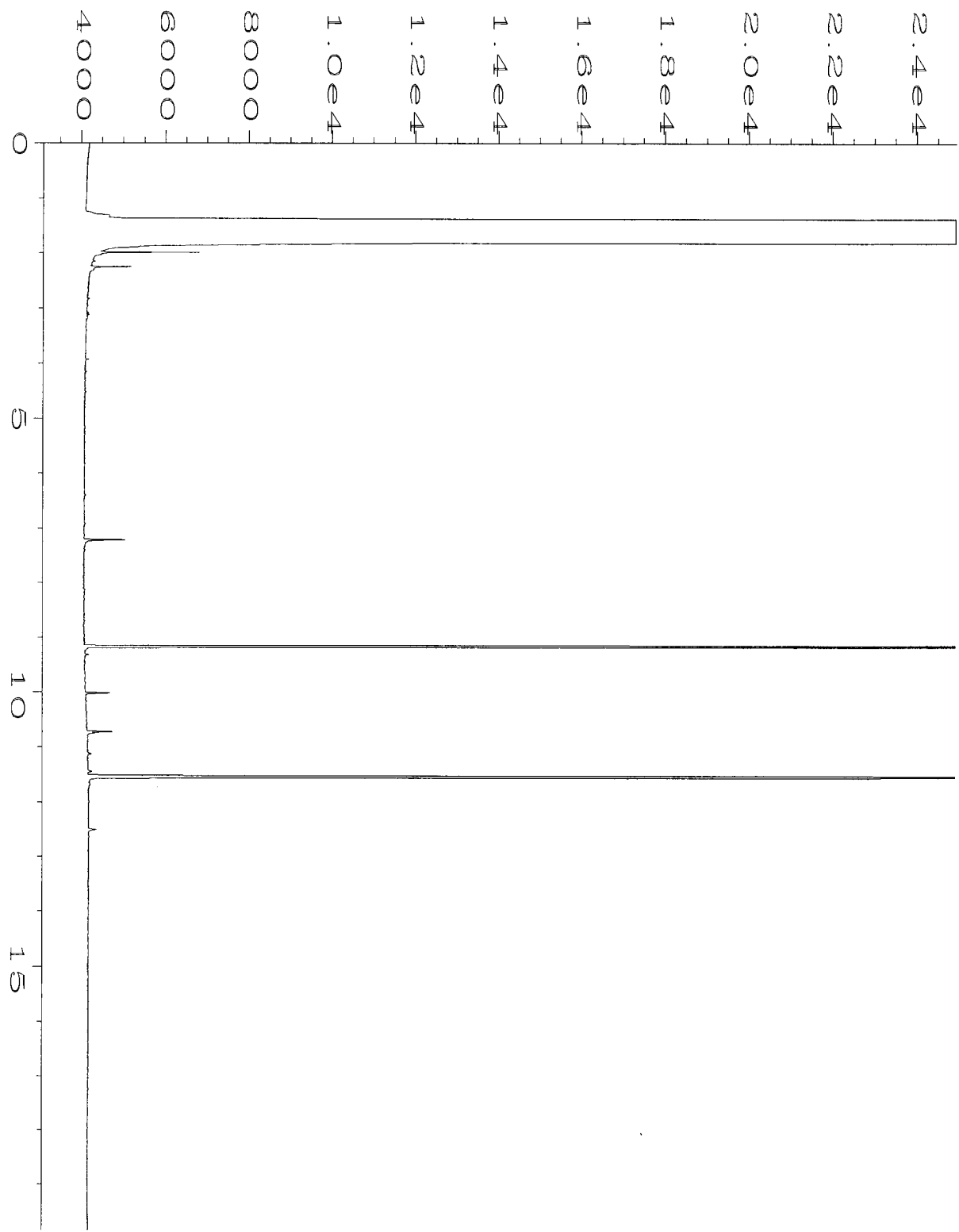
Analyte	Reporting Units	Spike Level	Percent Recovery		Acceptance Criteria	RPD (Limit 20)
			LCS	LCSD		
Vinyl chloride	mg/kg (ppm)	2.5	66	65	29-135	2
Chloroethane	mg/kg (ppm)	2.5	80	80	10-281	0
1,1-Dichloroethene	mg/kg (ppm)	2.5	85	84	22-151	1
Methylene chloride	mg/kg (ppm)	2.5	81	82	42-144	1
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	105	102	60-125	3
1,1-Dichloroethane	mg/kg (ppm)	2.5	95	91	66-123	4
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	94	90	72-118	4
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	95	95	60-124	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	98	68-128	4
Trichloroethene	mg/kg (ppm)	2.5	90	91	71-122	1
Tetrachloroethene	mg/kg (ppm)	2.5	83	85	69-125	2

Data Qualifiers & Definitions

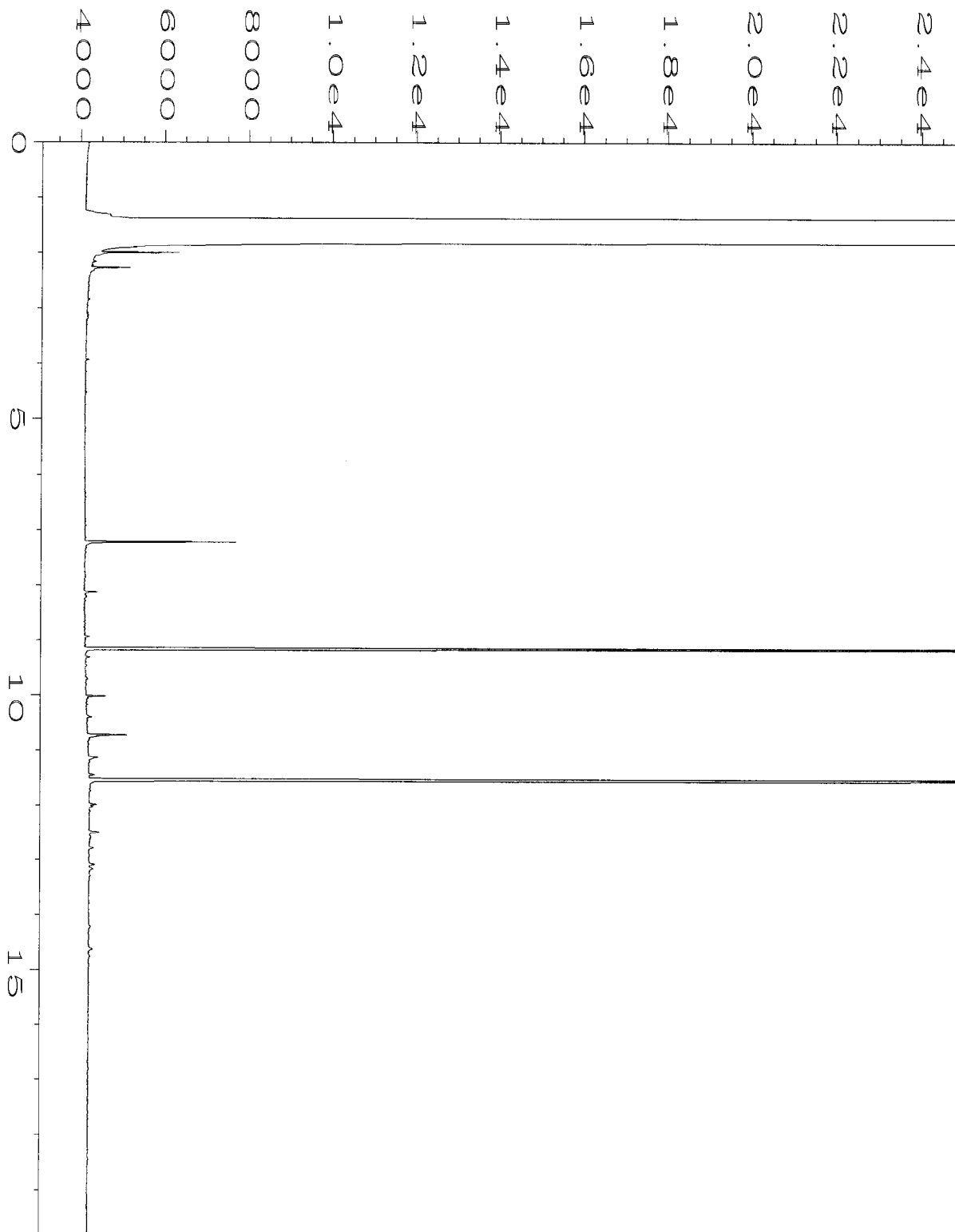
- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked 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 this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- 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. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- 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.



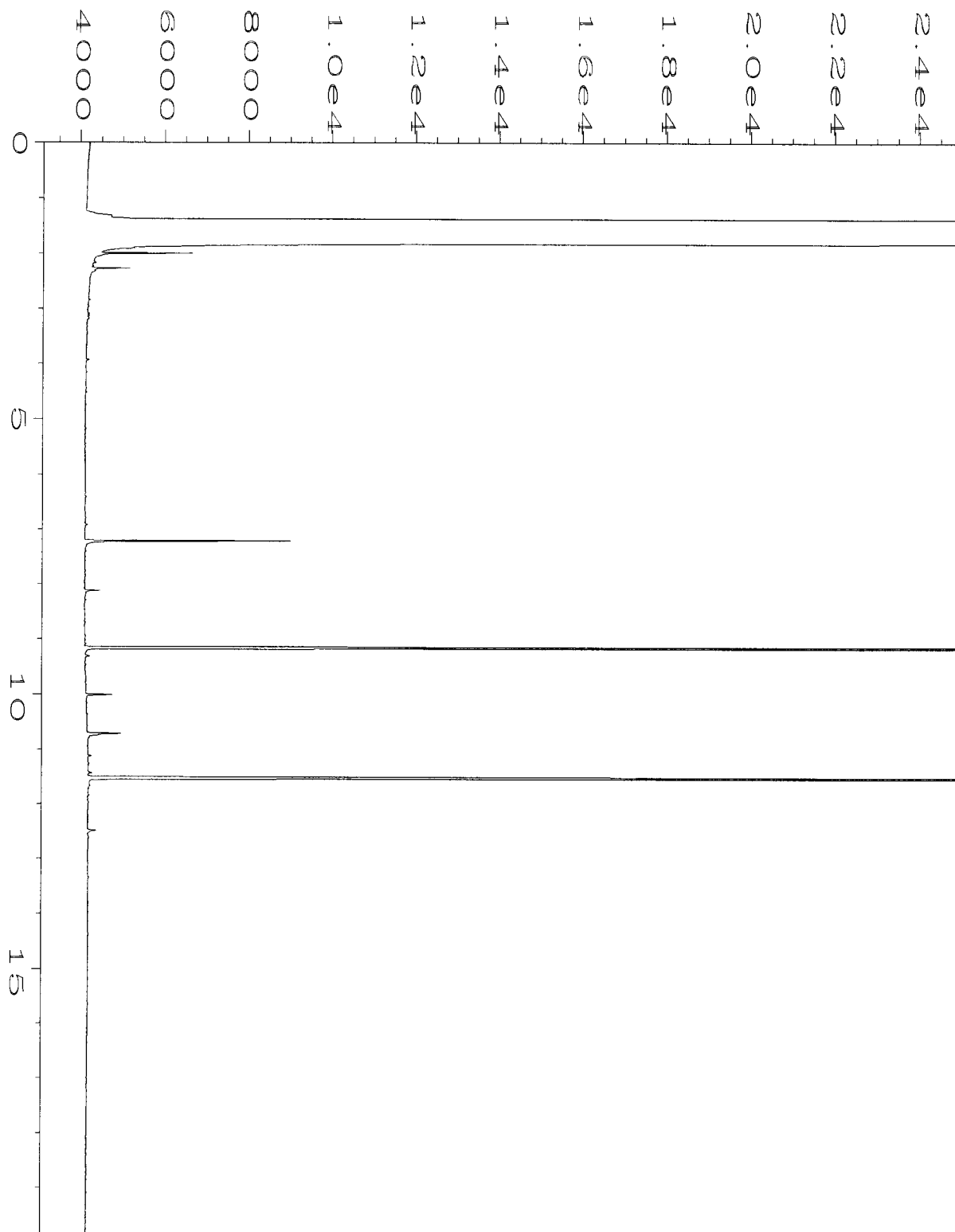
Data File Name	: C:\HPCHEM\4\DATA\05-10-11\020F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 20
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 105110-01	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 10 May 11 09:26 PM	Analysis Method	: TPHD.MTH
Report Created on:	11 May 11 09:47 AM		



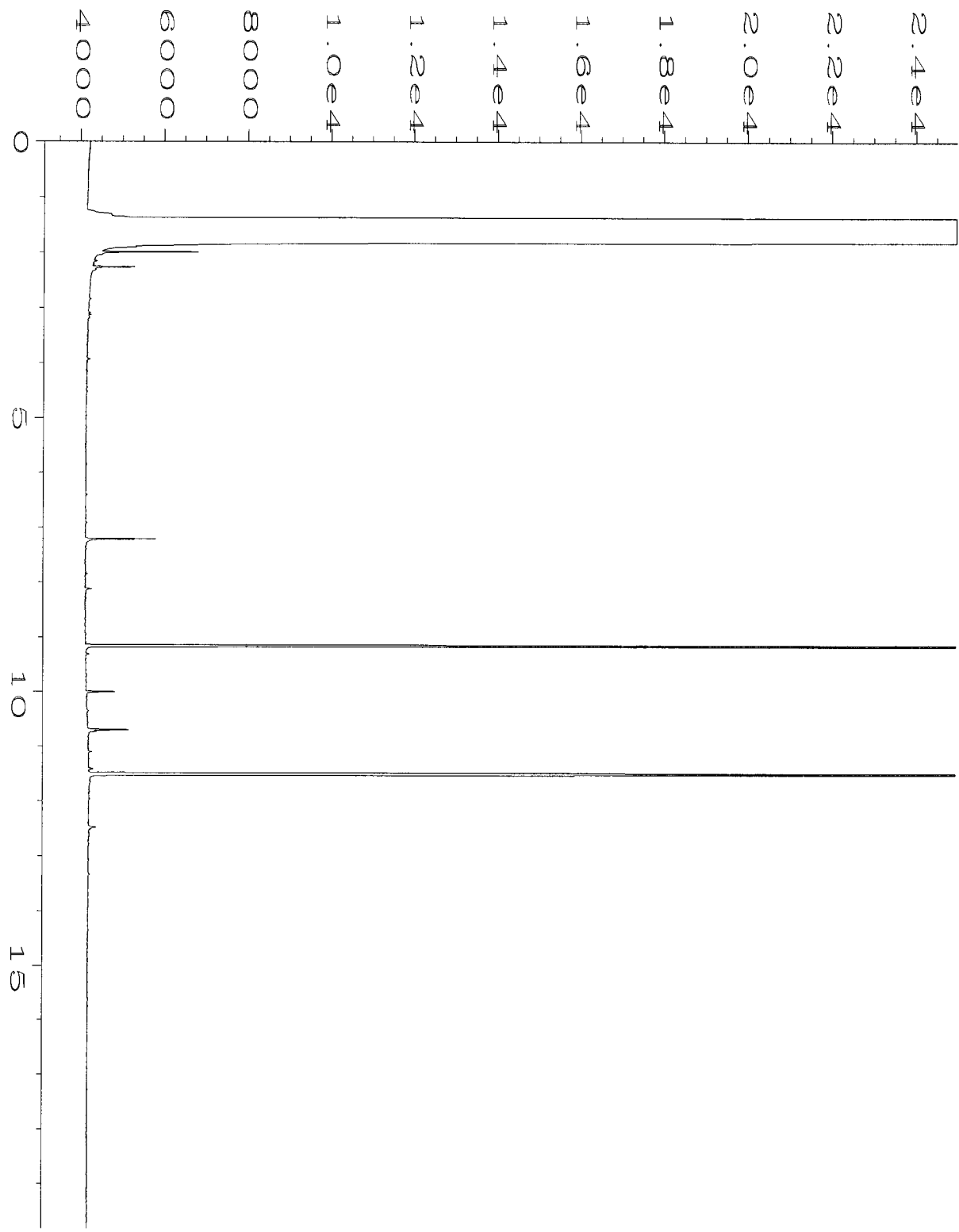
Data File Name	: C:\HPCHEM\4\DATA\05-10-11\021F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 21
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 105110-02	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 10 May 11 09:53 PM	Analysis Method	: TPHD.MTH
Report Created on:	11 May 11 09:47 AM		



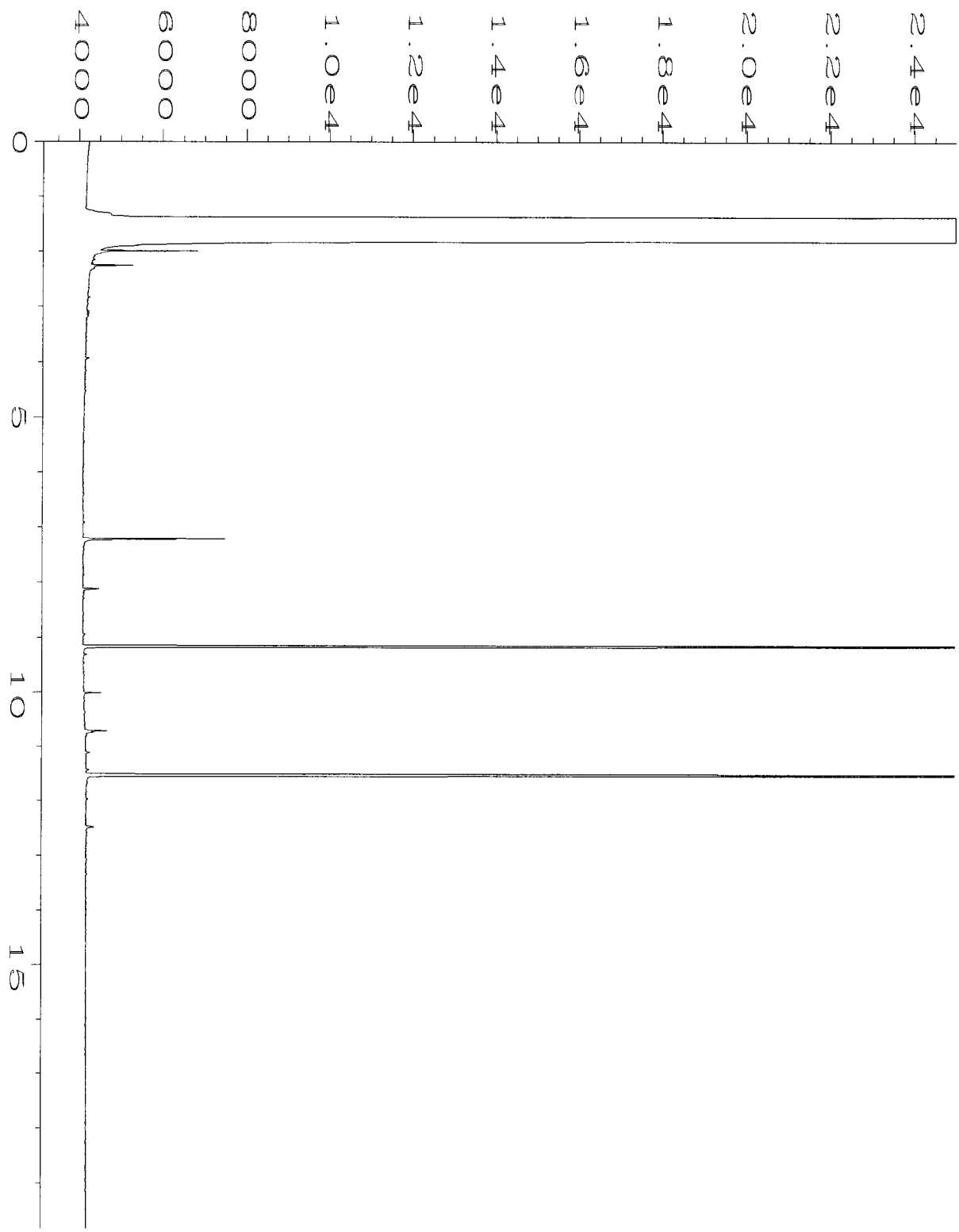
Data File Name	: C:\HPCHEM\4\DATA\05-10-11\022F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 22
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 105110-04	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 10 May 11 10:20 PM	Analysis Method	: TPHD.MTH
Report Created on:	11 May 11 09:48 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-10-11\023F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 23
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 105110-06	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 10 May 11 10:46 PM	Analysis Method	: TPHD.MTH
Report Created on:	11 May 11 09:48 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-10-11\024F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 24
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 105110-08	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 10 May 11 11:13 PM	Analysis Method	: TPHD.MTH
Report Created on:	11 May 11 09:48 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-10-11\025F0501.D	Page Number	: 1
Operator	: ML	Vial Number	: 25
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 105110-11	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 10 May 11 11:39 PM	Analysis Method	: TPHD.MTH
Report Created on:	11 May 11 09:48 AM		

105110
 SAMPLE CHAIN OF CUSTODY ME 05-10-11 404/WS2

Send Report To E. Rothman
 Company SoundEarth Strategies
 Address 2811 Fairview Ave E Suite 2000
 City, State, ZIP Seattle, WA 98109
 Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature) <u>[Signature]</u>		PO #
PROJECT NAME/NO.	<u>OT31 - COC - CO</u>	
REMARKS	<u>COC - CO</u>	
GEMS Y / N		

Page # 1 of 2
 TURNAROUND TIME
 Standard (2 Weeks)
 RUSH 5 days 141 (per Env)
 Rush charges authorized by: _____
 SAMPLE DISPOSAL
 Dispose after 30 days
 Return samples
 Will call with instructions

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED						Notes	
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals		
B10-19.5	B10	19.5	01A-E	5/9/11	0737	Soil	5	X	X	X	X				
B10-21.5		21.5	02A-E		0740		5	X	X	X	X				
B10-29.5		29.5	03A-E		0750		5	X	X	X	X				
B10-39.5		39.5	04A-E		0807		5	X	X	X	X				
B10-49.5	✓	49.5	05		0813		1	X	X	X	X			4 oz jar only	
B09-06.5	B09	6.5	06A-E		1335		5	X	X	X	X				
B09-11.5		11.5	07A-E		1349		5	X	X	X	X				
B09-15.5		15.5	08A-E		1349		5	X	X	X	X				
B09-21		21	09A-E		1353		5	X	X	X	X				
B09-25.5		25.5	10A-E		1357		5	X	X	X	X				
B09-30.5		30.5	11A-E		1405		5	X	X	X	X				
B09-35.5		35.5	12A-E		1413		5	X	X	X	X				
B09-40.5	✓	40.5	13A-E		1425		5	X	X	X	X				

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

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>[Signature]</u>	Chris Cass	SES	5-10-11	10:50		
Received by: <u>[Signature]</u>	<u>[Signature]</u>	Matt Langston	F+B Inc	5/10/11	10:50		
Relinquished by:							
Received by:							

Samples received: 5

105110

SAMPLE CHAIN OF CUSTODY

ME 05-10-11

AS4 / VSR2
2 of 2

Send Report To E. Rothman

Company SwanBath Strategies

Address 8811 Fairview Ave E Suite 2000

City, State, ZIP Seattle, WA 98102

Phone # 206.306.1400 Fax # 206.306.1407

SAMPLERS (signature)

PROJECT NAME/NO.

0731-006-02

PO #

REMARKS

GEMMS Y / N

Page # of

TURNAROUND TIME

Standard (2 Weeks)
 RUSH 5 days FAT (per Lin)
Rush charges authorized by:

SAMPLE DISPOSAL

Dispose after 30 days
 Return samples
 Will call with instructions

ANALYSES REQUESTED

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	Chlorinated VOC's by 8260	SVOC's by 8270	RCRA-8 Metals	Notes
BC9-44.5	BC9	44.5	14	5/9/11	1428	Soil	1				<input checked="" type="checkbox"/>			For jar only

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
<u>Chris Cass</u>	<u>Chris Cass</u>	<u>SES</u>	<u>5-10-11</u>	<u>10:50</u>
<u>Matthew Laughton</u>	<u>Matthew Laughton</u>	<u>F+B Inc</u>	<u>5/10/11</u>	<u>10:50</u>

Relinquished by:	Received by:	Samples received at <u>5</u>
		<u>00</u>

Friedman & Bruya, Inc. #105111

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 12, 2011

Erin Rothman, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Rothman:

Included are the results from the testing of material submitted on May 10, 2011 from the SOU_731-006-02_20110510, F&BI 105111 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0512R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 10, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_731-006-02_20110510, F&BI 105111 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
105111-01

SoundEarth Strategies
Composite-20110509

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Composite-20110509	Client:	SoundEarth Strategies
Date Received:	05/10/11	Project:	SOU_731-006-02_20110510, F&BI 105111
Date Extracted:	05/10/11	Lab ID:	105111-01
Date Analyzed:	05/10/11	Data File:	105111-01.065
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	83	60	125
Holmium	93	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	12.2
Arsenic	2.13
Selenium	<1
Silver	<1
Cadmium	<1
Barium	33.1
Lead	2.25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	Not Applicable	Project:	SOU_731-006-02_20110510, F&BI 105111
Date Extracted:	05/09/11	Lab ID:	I1-327 mb
Date Analyzed:	05/10/11	Data File:	I1-327 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm)	Operator:	AP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Germanium	96	60	125
Indium	90	60	125
Holmium	94	60	125

Analyte:	Concentration mg/kg (ppm)
Chromium	<1
Arsenic	<1
Selenium	<1
Silver	<1
Cadmium	<1
Barium	<1
Lead	<1

Date of Report: 05/12/11
Date Received: 05/10/11
Project: SOU_731-006-02_20110510, F&BI 105111
Date Extracted: 05/10/11
Date Analyzed: 05/11/11

**RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES
FOR TOTAL MERCURY
USING EPA METHOD 1631E**

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

<u>Sample ID</u> Laboratory ID	<u>Total Mercury</u>
Composite-20110509 105111-01	<0.2
Method Blank	<0.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/10/11

Project: SOU_731-006-02_20110510, F&BI 105111

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 200.8**

Laboratory Code: 105087-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Chromium	mg/kg (ppm)	50	12.1	103 b	100 b	51-132	3 b
Arsenic	mg/kg (ppm)	10	2.39	104 b	104 b	44-151	0 b
Selenium	mg/kg (ppm)	5	<1	92	94	52-128	2
Silver	mg/kg (ppm)	10	<1	106	106	69-125	0
Cadmium	mg/kg (ppm)	10	<1	105	105	83-120	0
Barium	mg/kg (ppm)	50	51.5	103 b	102 b	47-147	1 b
Lead	mg/kg (ppm)	50	6.29	108	107	65-126	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/kg (ppm)	50	105	79-125
Arsenic	mg/kg (ppm)	10	104	80-120
Selenium	mg/kg (ppm)	5	102	81-121
Silver	mg/kg (ppm)	10	106	84-117
Cadmium	mg/kg (ppm)	10	104	89-116
Barium	mg/kg (ppm)	50	98	88-113
Lead	mg/kg (ppm)	50	106	81-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/12/11

Date Received: 05/10/11

Project: SOU_731-006-02_20110510, F&BI 105111

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES FOR
TOTAL MERCURY
USING EPA METHOD 1631E**

Laboratory Code: 105087-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Mercury	mg/kg (ppm)	0.125	<0.2	70	78	45-162	11

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Mercury	mg/kg (ppm)	0.125	97	63-144

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.
- A1 - More than one compound of similar molecule structure was identified with equal probability.
- 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 this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- 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. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j - The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.
- pr - The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- 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.

105111 SAMPLE CHAIN OF CUSTODY ME 05-10-11 AT Ad

Send Report To E. Rothman

Company Sewer/Earn Strategies

Address 2811 Fairview Ave S Suite 200

City, State, ZIP Seattle, WA 98108

Phone # 206.306.1400 Fax # 206.306.1407

SAMPLERS (signature)		PROJECT NAME/NO.	
		0731-006-00	
REMARKS		PO #	
GEMS Y / N			

Page # 1 of 1

PURNAROUND TIME
Standard (2 Weeks)
 RUSH

Rush charges authorized by: _____

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

Sample ID	Sample Location	Sample Depth	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	ANALYSES REQUESTED					Notes		
								NWTPH-Dx	NWTPH-Gx	BTEX by 8021B	VOC's by 8260	SVOC's by 8270		RCRA-8 Metals	
01	---	---	---	---	---	---	---								
01			01	5/9/11	1430	Soil	1								
<i>Am</i>															
<i>5/9/11</i>															

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	
		Chris Cass		SES		5-10-11		10:50	
Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:		Relinquished by:	
		Matt Langston		ETB Inc		5/10/11		10:50	
Received by:		Received by:		Received by:		Received by:		Received by:	
						Samples received at		5:00	

Friedman & Bruya, Inc. #105133

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Charlene Morrow, M.S.
Yelena Aravkina, M.S.
Bradley T. Benson, B.S.
Kurt Johnson, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
TEL: (206) 285-8282
FAX: (206) 283-5044
e-mail: fbi@isomedia.com

May 17, 2011

Erin Rothman, Project Manager
SoundEarth Strategies
2811 Fairview Ave. East, Suite 2000
Seattle, WA 98102

Dear Ms. Rothman:

Included are the results from the testing of material submitted on May 11, 2011 from the SOU_0761-006-02_20110511, F&BI 105133 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 should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
SOU0517R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 11, 2011 by Friedman & Bruya, Inc. from the SoundEarth Strategies SOU_0761-006-02_20110511, F&BI 105133 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>SoundEarth Strategies</u>
105133-01	MW03-20110511
105133-02	MW01-20110511
105133-03	MW02-20110511

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/17/11
Date Received: 05/11/11
Project: SOU_0761-006-02_20110511, F&BI 105133
Date Extracted: 05/13/11
Date Analyzed: 05/16/11

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

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 52-124)
MW03-20110511 105133-01	<1	<1	<1	<3	<100	69
MW01-20110511 105133-02	<1	<1	<1	<3	<100	84
MW02-20110511 105133-03	<1	<1	<1	<3	<100	74
Method Blank 01-876 MB	<1	<1	<1	<3	<100	86

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/17/11
Date Received: 05/11/11
Project: SOU_0761-006-02_20110511, F&BI 105133
Date Extracted: 05/12/11
Date Analyzed: 05/12/11 and 05/13/11

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
MW03-20110511 105133-01	<50	<250	104
MW01-20110511 105133-02	<50	<250	85
MW02-20110511 105133-03	230	<250	99
Method Blank 01-867 MB	<50	<250	88

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW03-20110511	Client:	SoundEarth Strategies
Date Received:	05/11/11	Project:	SOU_0761-006-02_20110511, F&BI 105133
Date Extracted:	05/12/11	Lab ID:	105133-01
Date Analyzed:	05/12/11	Data File:	051227.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	63	127
Toluene-d8	105	65	127
4-Bromofluorobenzene	96	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW01-20110511	Client:	SoundEarth Strategies
Date Received:	05/11/11	Project:	SOU_0761-006-02_20110511, F&BI 105133
Date Extracted:	05/12/11	Lab ID:	105133-02
Date Analyzed:	05/12/11	Data File:	051228.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	63	127
Toluene-d8	102	65	127
4-Bromofluorobenzene	94	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	6.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	MW02-20110511	Client:	SoundEarth Strategies
Date Received:	05/11/11	Project:	SOU_0761-006-02_20110511, F&BI 105133
Date Extracted:	05/12/11	Lab ID:	105133-03
Date Analyzed:	05/13/11	Data File:	051229.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	63	127
Toluene-d8	105	65	127
4-Bromofluorobenzene	99	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	SoundEarth Strategies
Date Received:	NA	Project:	SOU_0761-006-02_20110511, F&BI 105133
Date Extracted:	05/12/11	Lab ID:	01-813 mb
Date Analyzed:	05/12/11	Data File:	051220.D
Matrix:	Water	Instrument:	GCMS5
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	63	127
Toluene-d8	104	65	127
4-Bromofluorobenzene	98	40	157

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.2
Chloroethane	<1
1,1-Dichloroethene	<1
Methylene chloride	<5
trans-1,2-Dichloroethene	<1
1,1-Dichloroethane	<1
cis-1,2-Dichloroethene	<1
1,2-Dichloroethane (EDC)	<1
1,1,1-Trichloroethane	<1
Trichloroethene	<1
Tetrachloroethene	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/17/11

Date Received: 05/11/11

Project: SOU_0761-006-02_20110511, F&BI 105133

**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: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benzene	ug/L (ppb)	50	88	81	65-118	8
Toluene	ug/L (ppb)	50	88	73	72-122	19
Ethylbenzene	ug/L (ppb)	50	95	83	73-126	13
Xylenes	ug/L (ppb)	150	94	84	74-118	11
Gasoline	ug/L (ppb)	1,000	101	124	69-134	20

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/17/11

Date Received: 05/11/11

Project: SOU_0761-006-02_20110511, F&BI 105133

**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	92	99	63-142	7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/17/11

Date Received: 05/11/11

Project: SOU_0761-006-02_20110511, F&BI 105133

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

Laboratory Code: 105121-03 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	
				Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	50	<0.2	100	10-185
Chloroethane	ug/L (ppb)	50	<1	110	10-172
1,1-Dichloroethene	ug/L (ppb)	50	<1	97	35-149
Methylene chloride	ug/L (ppb)	50	<5	90	61-138
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	102	65-128
1,1-Dichloroethane	ug/L (ppb)	50	<1	101	67-127
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	104	65-139
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	105	68-132
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	112	63-135
Trichloroethene	ug/L (ppb)	50	<1	104	66-121
Tetrachloroethene	ug/L (ppb)	50	<1	87	64-132

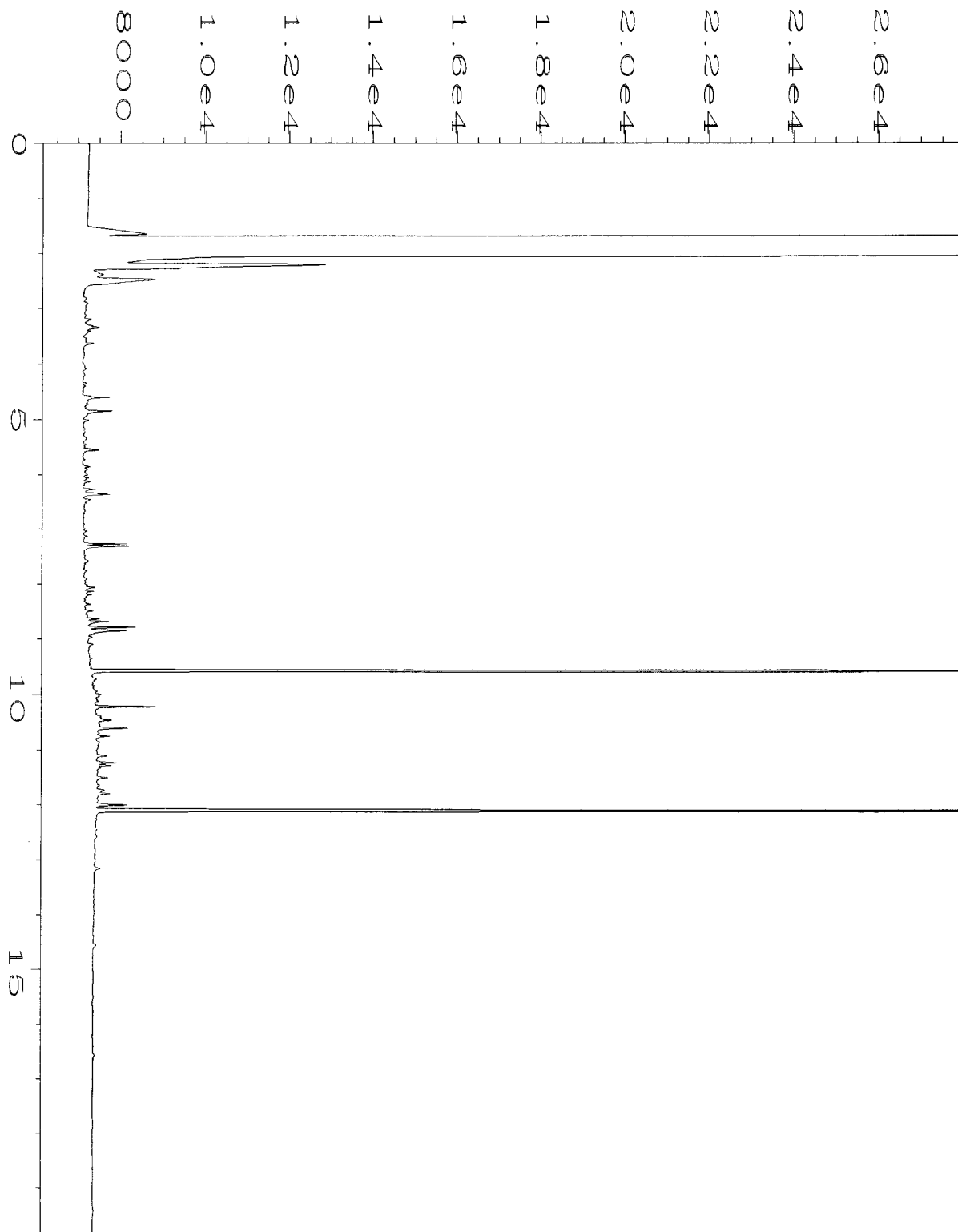
Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery		Acceptance Criteria	RPD (Limit 20)
			LCS	LCSD		
Vinyl chloride	ug/L (ppb)	50	97	110	53-131	13
Chloroethane	ug/L (ppb)	50	115	110	30-176	4
1,1-Dichloroethene	ug/L (ppb)	50	97	111	65-157	13
Methylene chloride	ug/L (ppb)	50	87	99	17-177	13
trans-1,2-Dichloroethene	ug/L (ppb)	50	97	106	71-128	9
1,1-Dichloroethane	ug/L (ppb)	50	93	105	74-118	12
cis-1,2-Dichloroethene	ug/L (ppb)	50	99	109	74-126	10
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	94	106	71-135	12
1,1,1-Trichloroethane	ug/L (ppb)	50	107	120	77-123	11
Trichloroethene	ug/L (ppb)	50	96	106	74-119	10
Tetrachloroethene	ug/L (ppb)	50	84	92	83-113	9

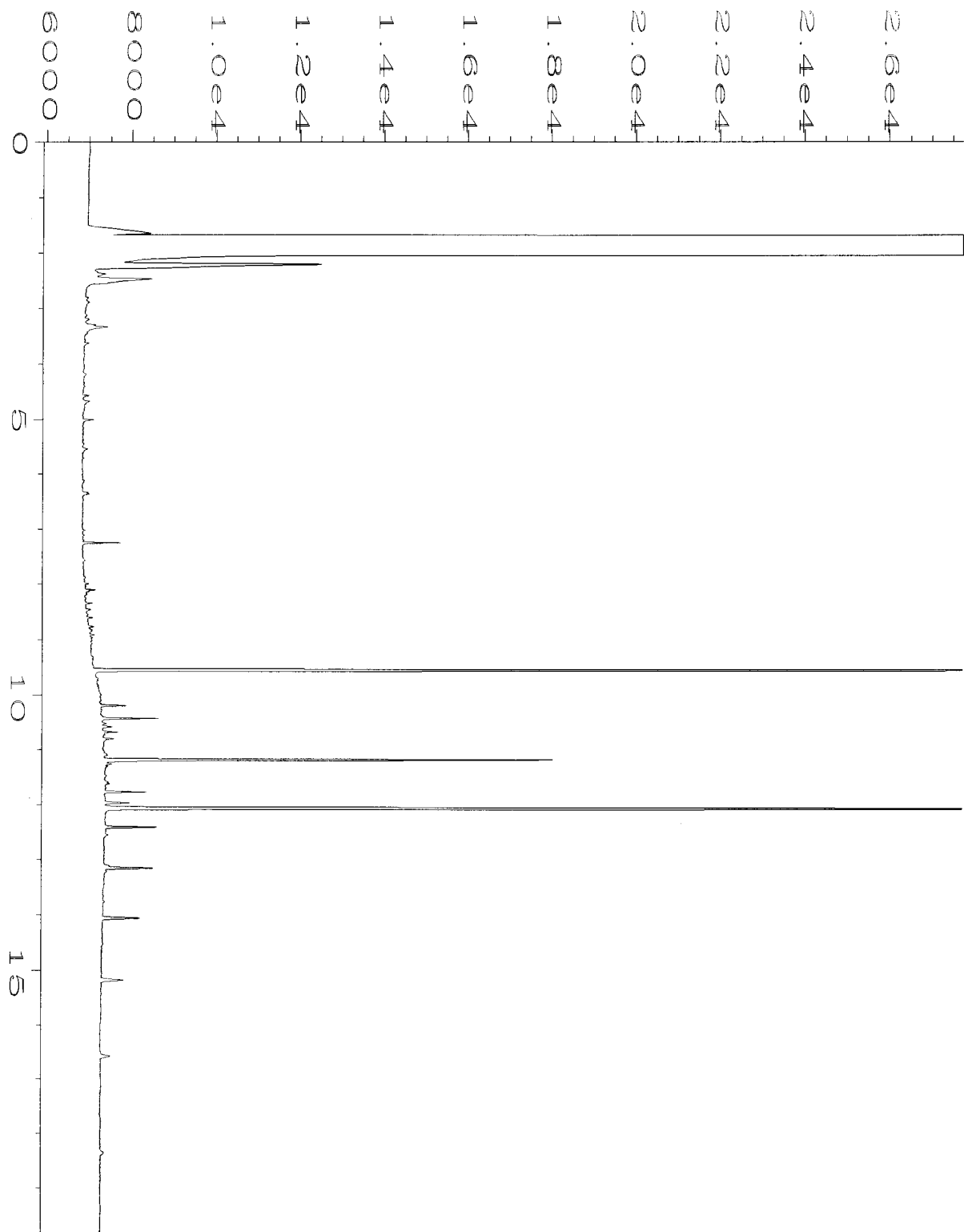
Note: The matrix spike was analyzed outside of the 12 hour shift.

Data Qualifiers & Definitions

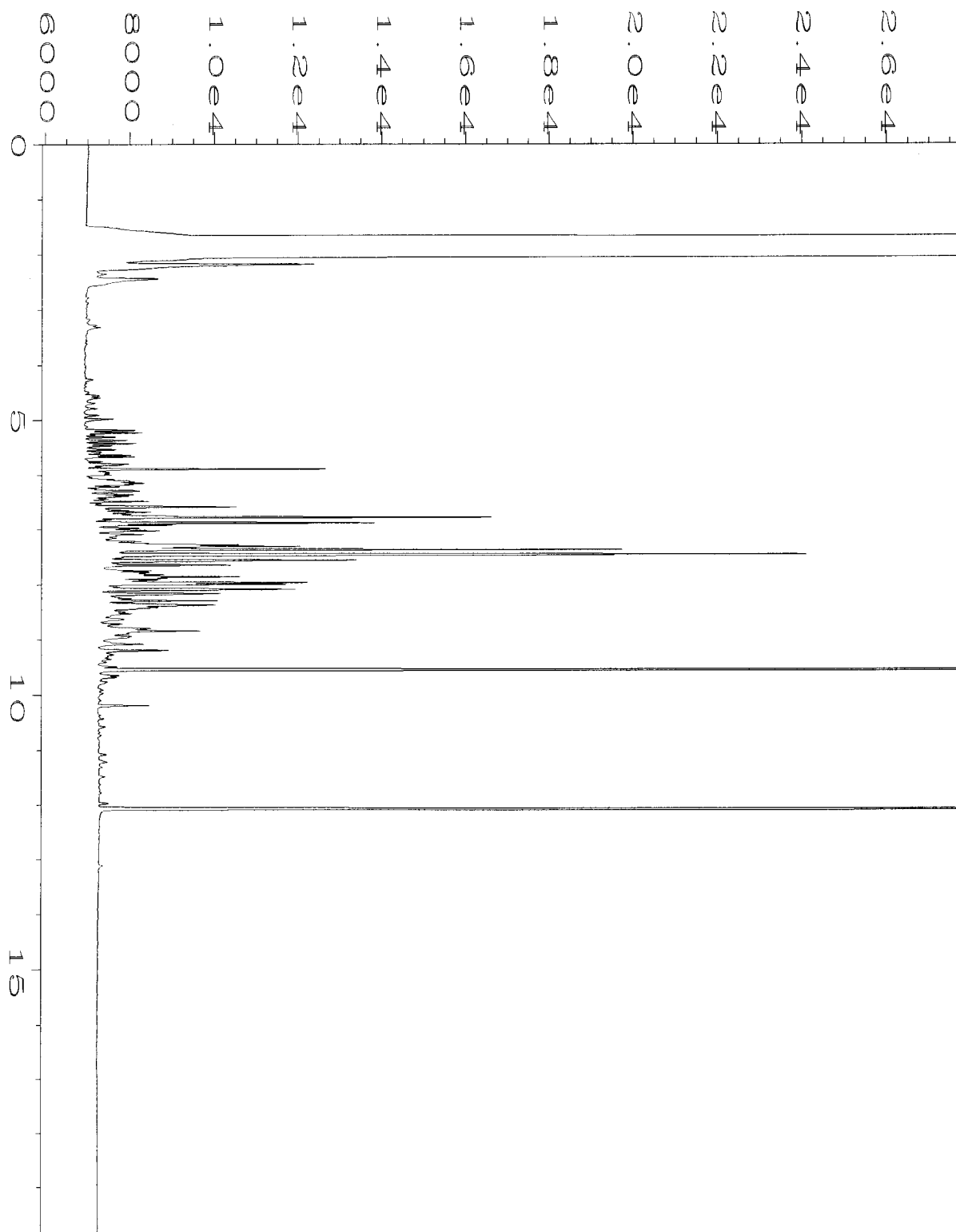
- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- A1 – More than one compound of similar molecule structure was identified with equal probability.
- b - The analyte was spiked 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 this range fell outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte indicated may be due to carryover from previous sample injections.
- d - The sample was diluted. Detection limits may be raised due to dilution.
- ds - The sample was diluted. Detection limits are raised due to dilution and surrogate recoveries may not be meaningful.
- dv - Insufficient sample was available to achieve normal reporting limits and limits are raised accordingly.
- fb - Analyte present in the blank and the sample.
- 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. The variability is attributed to sample inhomogeneity.
- ht - Analysis performed outside the method or client-specified holding time requirement.
- ip - Recovery fell outside of normal control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.
- j – The result is below normal reporting limits. 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 analyte result in the laboratory control sample is out of control limits. The reported concentration should be considered an estimate.
- jr - The rpd result in laboratory control sample associated with the analyte is 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 compound indicated 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 in a container not approved by the method. The value reported should be considered an estimate.
- pr – The sample was received with incorrect preservation. The value reported should be considered an estimate.
- ve - Estimated concentration calculated for an analyte response above the valid instrument calibration range. A dilution is required to obtain an accurate quantification of the analyte.
- 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.



Data File Name	: C:\HPCHEM\1\DATA\05-13-11\006F0301.D	Page Number	: 1
Operator	: ML	Vial Number	: 6
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105133-01 rr	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 13 May 11 09:43 AM	Analysis Method	: BAKEOUT.MTH
Report Created on:	16 May 11 09:33 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-12-11\028F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 28
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105133-02	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 12 May 11 11:14 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	13 May 11 09:46 AM		



Data File Name	: C:\HPCHEM\1\DATA\05-12-11\029F0701.D	Page Number	: 1
Operator	: ML	Vial Number	: 29
Instrument	: GC1	Injection Number	: 1
Sample Name	: 105133-03	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	TPHD.MTH
Acquired on	: 12 May 11 11:40 PM	Analysis Method	: BAKEOUT.MTH
Report Created on:	13 May 11 09:46 AM		

105133

SAMPLE CHAIN OF CUSTODY

ME 05-11-11

V2 / A03

Send Report To ERIN ROTHMAN

Company SOUND EARTH STRATEGIES

Address 2811 FAIRVIEW AVE EAST SUITE 2000

City, State, ZIP SEATTLE, WA 98102

Phone # 206.306.1900 Fax # 206.306.1907

SAMPLERS (signature)

PROJECT NAME/NO. FORMER TOWN AND COUNTRY CLEANERS PROP. 110-

PO #

REMARKS

GEMS Y / N

Page # of

TURNAROUND TIME

Standard (2 Weeks) RUSH 5 DAY TURN RUSH charges authorized by: (ERIN)

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

ANALYSES REQUESTED

Table with columns: Sample ID, Sample Location, Sample Depth, Lab ID, Date Sampled, Time Sampled, Matrix, # of jars, NWTPH-Dx, NWTPH-Gx, BTEX by 8021B, CHLORINATED VOC's by 8260, SVOC's by 8270, RCRA-8 Metals, Notes. Rows include MW03-2410511, MW01-20110511, MW02-20110511.

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: [Signature]

Warren R. P... [Signature]

SES

5-11-11

1123

Received by: [Signature]

Whan Phau [Signature]

F&B I

5-11-11

1123

Relinquished by:

Received by:

Samples received at

12:00

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

October 8, 2018

Mr. Charlie Foushee, Director – Development
SCD Acquisitions West LLC
221 Yale Avenue, Suite 400
Seattle, Washington 98109

**RE: SUMMARY OF SUBSURFACE INVESTIGATION
10650 NORTHEAST 8TH STREET
BELLEVUE, WASHINGTON
FARALLON PN: 1065-010**

Dear Mr. Foushee:

Farallon Consulting, L.L.C. (Farallon) has prepared this letter report to provide a summary of the subsurface investigation conducted between April and June 2018 on behalf of SCD Acquisitions West LLC (SCD) for the property at 10650 Northeast 8th Street in Bellevue, Washington (herein referred to as the Site) (Figures 1 and 2). The purpose of the subsurface investigation was to evaluate the suspected and confirmed releases of hazardous substances on the Site from current and/or historical operations at the Site, and/or the release and potential migration of hazardous substances from adjacent properties onto the Site.

The general Site stratigraphy consists of sand and silty sand with interbeds of well- to poorly graded sand and silt to depths of approximately 90 to 95 feet below ground surface (bgs) underlain by stiff to hard gray silt to the maximum depth explored of 100 feet bgs. Farallon observed shallow perched groundwater-bearing intervals between depths of approximately 9 to 40 feet bgs and a deeper groundwater-bearing zone at approximately 80 to 90 feet bgs in borings advanced at the Site.

Prior subsurface investigations conducted by others and the subsurface investigation conducted by Farallon in 2018 for constituents of potential concern (COPCs) at the Site confirmed the presence of the halogenated volatile organic compound (HVOC) tetrachloroethene (PCE) and total petroleum hydrocarbons (TPH) as diesel- and gasoline-range organics (DRO and GRO, respectively) at concentrations that exceed Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A cleanup levels in soil and groundwater. The COPCs identified for the Site subsurface investigation were:

- GRO by Northwest Method NWTPH-Gx;
- DRO and TPH as oil-range organics (ORO) by Northwest Method NWTPH-Dx;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and HVOCs, including PCE and PCE breakdown products, by U.S. Environmental Protection Agency (EPA) Method 8260C; and
- Resource Conservation and Recovery Act (RCRA) metals (i.e., arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) by EPA Method Series 6000/7000 (soil only).



Analytical results of groundwater samples collected during the subsurface investigation confirmed the presence of PCE and associated degradation products cis-1,2-dichloroethene (DCE) and vinyl chloride at concentrations that exceed MTCA cleanup levels in shallow perched groundwater. DRO, GRO, and benzene also were detected at concentrations that exceed MTCA Method A cleanup levels in shallow perched groundwater.

DRO was detected at a concentration of 700 micrograms per liter ($\mu\text{g/l}$), exceeding the MTCA Method A cleanup level of 500 $\mu\text{g/l}$, in the groundwater sample collected from deep monitoring well FMW-09. No other COPCs analyzed were detected at concentrations exceeding MTCA cleanup levels in groundwater samples collected from the deeper groundwater-bearing zone at the Site.

This letter report provides a summary of the relevant Site background information, results of the subsurface investigation conducted by Farallon, a preliminary conceptual site model, and conclusions.

SITE DESCRIPTION AND BACKGROUND

The Site is northwest of the intersection of Northeast 8th Street and 108th Avenue Northeast and includes a range of addresses from 10630 through 10750 Northeast 8th Street in Bellevue, King County, Washington (Figures 1 and 2). The location is in a commercial and residential area in downtown Bellevue. Farallon understands SCD intends to redevelop the Site with a new commercial office tower that includes approximately seven levels of subgrade parking. The estimated footprint of the subgrade parking structure is approximately two-thirds of the total area of the Site. The project plan could vary depending on market conditions.

The Site consists of King County Parcel Nos. 154460-0150 and 154460-0157, which total 1.77 acres of land developed with a one-story 4,115-square-foot commercial retail building constructed in 1955 (Central Building); a 5,500-square-foot two-story commercial retail building constructed in 1956 (East Building); and a 16,625-square-foot commercial building constructed in 1977 (West Building). Remaining areas of the Site consist of paved parking and landscaped areas. Access to the Site is gained from Northeast 8th Street, south of the Site, and from 108th Avenue Northeast, east of the Site. The Site buildings currently are occupied by various commercial retail store and restaurant tenants. SCD Acquisitions West LLC acquired the Site from BV Holdings LLC in July 2018.

Adjacent properties at the time of a site reconnaissance performed by Farallon in 2018 included an office building to the north, an office and retail building to the west, Northeast 8th Street followed by office and retail buildings to the south, 108th Avenue Northeast followed by a bank building to the east, and a church to the southeast.

Previous investigations completed at the Site by Golder Associates Inc. (Golder) in 2003 and SoundEarth Strategies, Inc. (SES) in 2011 identified the following environmental conditions:

- Historical uses of the Site, including but not limited to a dry cleaning facility at 10640 Northeast 8th Street (the Central Building) and an automotive sales, service, and repair



facility at 10650 Northeast 8th Street, formerly located behind the Central Building (hereafter referred to as the automotive sales and service facility);

- Confirmed releases of petroleum hydrocarbons, including GRO, DRO, and ORO, to soil and groundwater detected at concentrations that exceed MTCA cleanup levels at borings B02 through B04 and BH-8 (Figure 2); and
- Confirmed releases of HVOCs, including PCE and associated breakdown products, to soil gas, soil, and groundwater detected at concentrations that exceed MTCA cleanup levels and/or screening levels at borings S-6, B02, B04, B07, and MW01 proximate to or beneath the Central Building (Figure 2).

PCE was detected at a concentration of 832 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in the discrete soil gas sample SG-6 collected north of the Central Building by Golder in 2004. The MTCA Method B subslab soil gas screening level for PCE for residential exposure is $321 \mu\text{g}/\text{m}^3$; the MTCA Method B subslab soil gas screening level for commercial exposure is $1,672 \mu\text{g}/\text{m}^3$. The MTCA Method B commercial exposure scenario is applicable to the Site.

PCE was detected at a concentration of 0.065 milligrams per kilogram (mg/kg), exceeding the MTCA Method A cleanup level of 0.05 mg/kg, in the soil sample collected from angled boring B07 at a depth of 40.3 feet bgs in the SES 2011 subsurface investigation. The soil sample is located centrally in the Central Building. Soil sampling results from the SES 2011 subsurface investigation also included detections of DRO and GRO at concentrations that exceeded MTCA Method A cleanup levels in soil samples collected from borings B02, B03, and B05, north of the Central Building, between depths of 12 and 23 feet bgs. The Site is listed in the Washington Department of Ecology (Ecology) Contaminated or Suspected Contaminated Sites List database (Cleanup Site ID: 12896; Facility Site ID: 11652). Farallon's actual knowledge of the Site vicinity also identified the potential migration of hazardous substances from confirmed releases of PCE to soil gas, soil, and groundwater on the west-adjacent Thinker Toys property (King County Parcel No. 0685700055) as a preliminary recognized environmental condition that required further evaluation.

GEOLOGY AND HYDROGEOLOGY

The Puget Sound region is underlain by Quaternary sediments deposited by multiple glacial episodes. Deposition occurred during glacial advances and retreats, which created the existing subsurface conditions. The regional sediments consist primarily of interlayered and/or sequential deposits of alluvial clays, silts, and sands that typically are situated over deposits of glacial till that consist of silty sand to sandy silt with gravel. Outwash sediments consisting of sands, silts, clays, and gravels were deposited by rivers, streams, and post-glacial lakes during the glacial retreats and have been largely over-consolidated by the overriding ice sheets.

Farallon observed and logged soil conditions encountered during the subsurface investigation. Boring logs are provided in Attachment A. The general Site stratigraphy consists of sand and silty sand with interbeds of well- to poorly graded sand and silt to depths of approximately 90 to 95 feet bgs. A well-graded gravel that was discontinuous across the Site was encountered between depths



of 50 and 85 feet bgs. A stiff to hard gray silt was observed below the sand and silty sand unit to the maximum depth explored of 100 feet bgs.

Farallon observed shallow perched groundwater-bearing intervals on the Site between depths of approximately 9 to 40 feet bgs and a deeper water-bearing zone approximately 80 to 90 feet bgs. Wet intervals were observed in shallow borings on the southeastern portion of the Site at depths of approximately 10 feet bgs and 20 to 35 feet bgs; however, monitoring wells installed across the wet intervals did not recharge adequately post-installation to allow for groundwater sampling. Synoptic groundwater elevation measurements from monitoring wells on the Site are provided in Table 1. Based on synoptic measurements, shallow perched groundwater flows approximately south to southwest. The deeper groundwater-bearing zone encountered at 80 to 90 feet bgs flows approximately northwest.

SUBSURFACE INVESTIGATION

The subsurface investigation conducted at the Site by Farallon included characterization of soil gas, soil, and groundwater. Subsurface investigation elements included the following:

- Sampling of three existing shallow monitoring wells on April 6, 2018;
- A passive soil gas survey performed from April 9 to 19, 2018 using 54 passive Gore Sorbent Samplers (samplers) installed on the Site;
- Installation of nine shallow monitoring wells from April 9 through 13 and May 21 through 23, 2018;
- Installation of seven deep monitoring wells from April 12 through 20, 2018; and
- Advancement of nine shallow borings to a maximum depth of 50 feet bgs from May 22 through May 25, 2018.

Soil gas sampler installation, shallow boring, shallow monitoring well, and deep monitoring well locations are shown on Figure 2. The subsurface investigation was conducted in two phases. The first phase of the subsurface investigation, conducted from April 6 through 20, 2018, included installation and retrieval of passive soil gas samplers, sampling of existing monitoring wells, and installation and sampling of shallow and deep monitoring wells at the Site to further evaluate potential releases to the subsurface of HVOCs and petroleum hydrocarbons that were identified in subsurface investigations performed by Golder Associates Inc. in 2004 and SoundEarth Strategies, Inc. in 2011. The second phase of the subsurface investigation, conducted from May 21 through 25, 2018, was performed to further evaluate confirmed releases of HVOCs and petroleum hydrocarbons to soil and shallow groundwater identified in the first phase of the investigation, and to further evaluate soil gas anomalies identified in the passive soil gas survey.

PASSIVE SOIL GAS SURVEY

A passive soil gas survey was conducted in April 2018. The purpose of the soil gas survey was to provide qualitative data to evaluate potential source areas of volatile organic compounds (VOCs)



in the shallow subsurface at the Site. The results from the passive soil gas survey were used to refine and focus the soil and reconnaissance groundwater sampling locations.

Fifty-four samplers were installed to a depth of approximately 2 to 3 feet bgs, adjacent to and surrounding Site buildings (Figure 3). The samplers were installed on April 9 and 10, 2018 and left in-place for approximately 10 days. Retrieval of the samplers was completed in 1 day, and the samplers were submitted to Amplified Geochemical Imaging LLC in Newark, Delaware for laboratory analysis for VOCs using U.S. Environmental Protection Agency (EPA) Method 8260C.

SOIL SAMPLING

Farallon observed advancement of both shallow and deep borings to evaluate potential and confirmed releases of hazardous substances to the subsurface on the Site. Soil sampling locations are identified on Figures 4 through 6. Shallow perched groundwater sampling locations are identified on Figure 7. Deep groundwater sampling locations are identified on Figure 8. Drilling was performed by Cascade Drilling Inc. of Woodinville, Washington (Cascade). Monitoring wells FMW-04 through FMW-13 were advanced using a full-size track-mounted sonic drill rig. Monitoring wells FMW-14 through FMW-18 and borings FB-01 through FB-09 were advanced using a full-size, truck-mounted hollow-stem auger.

- Boring FB-06 and monitoring wells FMW-04 through FMW-06, FMW-14, and FMW-15 were advanced by Cascade to a maximum depth of 100 feet bgs to further evaluate detections of HVOCS in soil gas and confirmed releases of HVOCS and petroleum hydrocarbons associated with historical operation of the dry cleaning facility at 10640 Northeast 8th Street and the automotive service and repair facility;
- Borings FB-05, FB-06, and FB-08 and monitoring wells FMW-17 and FMW-18 were advanced by Cascade to a maximum depth of 51 feet bgs to evaluate potential releases to soil and groundwater associated with a petroleum hydrocarbon soil gas anomaly identified on the north-central portion of the Site during the passive soil gas survey (Attachment B);
- Borings FB-01 through FB-03 and FB-09 and monitoring wells FWM-16 and FMW-19 were advanced by Cascade to a maximum depth of 56 feet bgs to evaluate potential releases of hazardous substances, including petroleum hydrocarbons, PCE, and trichloroethene (TCE), associated with the soil gas anomaly identified on the southeastern corner of the Site during the passive soil gas survey (Attachment B); and
- Monitoring wells FMW-07 through FMW-13 were advanced to a maximum depth of 100 feet bgs to evaluate potential releases of hazardous substances to deep soil and groundwater on the Site, and to evaluate the potential migration of hazardous substances onto the Site from potential up-gradient sources.

SOIL SAMPLE COLLECTION

Sonic soil samples were collected in 5-foot sampling intervals using a sonic sampler and sample collection bag. Hollow-stem-auger samples were collected using an 18-inch split spoon sampler. A Farallon Geologist observed and logged subsurface conditions and retained soil samples from selected intervals based on field indications of potential contamination for laboratory analysis. The



information recorded for each boring log included soil types encountered, visual and olfactory observations (e.g., staining, odor, etc.), and volatile organic vapor concentrations as measured using a photoionization detector. The completed boring logs are provided in Attachment A.

Soil samples were collected and transferred directly into laboratory-prepared glass sample containers. VOC samples were fitted with a Teflon-lined lid in accordance with EPA Method 5035A for sampling of VOCs. Soil samples collected from the borings were placed on ice in a cooler under standard chain-of-custody procedures and delivered to OnSite Environmental Inc. of Redmond, Washington (OnSite) for analysis.

SOIL SAMPLE LABORATORY ANALYSIS

Soil samples were submitted for laboratory analysis for one or more of the following:

- GRO by Northwest Method NWTPH-Gx;
- DRO and ORO by Northwest Method NWTPH-Dx;
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) and HVOCs, including PCE and PCE breakdown products, by EPA Method 8260C; and
- Resource Conservation and Recovery Act (RCRA) metals (i.e., arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) by EPA Method Series 6000/7000.

A total of 192 soil samples were submitted for laboratory analysis for GRO, DRO, ORO, VOCs, and or RCRA metals by the analytical methods identified above.

GROUNDWATER SAMPLING

To further evaluate potential impacts to groundwater associated with historical operation of the dry cleaning facility at 10640 Northeast 8th Street and the automotive service and repair facility, shallow groundwater samples were collected from existing monitoring wells MW01 through MW03 and new monitoring wells FMW-05, FMW-06, and FMW-14 through FMW-18 on the Site. Shallow monitoring wells FMW-04, FMW-15, FMW-16, and FMW-19 were screened between 25 and a maximum of 50 feet bgs. All four wells were dry or did not have adequate water present at the time of sampling. Shallow reconnaissance groundwater samples were collected from borings FB-06 and FB-08.

Deep groundwater samples were collected from monitoring wells FMW-07 through FMW-09 and FMW-11 through FMW-13 to further evaluate potential impacts to deep groundwater from historical uses on the Site and the potential migration of hazardous substances onto the Site. Deep monitoring well FMW-10 did not have adequate water present at the time of sampling.

GROUNDWATER SAMPLE COLLECTION

Reconnaissance groundwater samples were collected using a temporary sand pack and well screen. Water was bailed or pumped from the temporary screen until visually clear and then sampled. Prior to monitoring well sampling, groundwater was purged from each monitoring well in accordance with EPA low-flow sampling protocols. Monitoring well purging and sampling were performed



using a peristaltic pump and dedicated polyethylene tubing, or a bladder pump with a disposable bladder and dedicated tubing at flow rates ranging from 100 to 300 milliliters per minute. The intake was placed at the approximate middle portion of the water column in each monitoring well. Water quality was monitored during purging using a YSI 300 multimeter water quality system equipped with a flow-through cell.

The water quality parameters monitored and recorded included temperature, pH, specific conductance, oxidation-reduction potential, and dissolved oxygen. The wells were purged until all parameters stabilized. Following purging, groundwater samples were collected directly from the tubing outlet of the flow-through cell and placed into laboratory-prepared sample containers. Filled sample containers were placed on ice in a cooler and transported under standard chain-of-custody protocols to OnSite for analysis.

A total of 16 groundwater samples and 2 reconnaissance groundwater samples were submitted for laboratory analysis for GRO, DRO, ORO, and/or VOCs by the analytical methods identified above. Monitoring wells FMW-11, FMW-16, and FMW-19 did not exhibit adequate recharge to allow for sampling; therefore, no shallow groundwater samples have been collected on the southeastern portion of the Site to date.

INVESTIGATION-DERIVED WASTE

Soil cuttings were stored in a lined 20-yard roll-off bin and labeled 55-gallon steel drums. Decontamination water, monitoring well purge water, and other wastewater generated during the subsurface investigation were stored in labeled 55-gallon steel drums. The analytical results of the soil and groundwater samples were used to develop waste profiles and permanently dispose of investigation-derived waste off the Site at a licensed disposal facility.

RESULTS

A summary of the results of the passive soil gas survey, soil sampling, shallow groundwater sampling, and deep groundwater sampling conducted by Farallon is presented below. Passive soil gas analytical results and maps are provided in Attachment B. Summary tables for soil sampling are provided in Tables 2 through 4. Summary tables for groundwater and reconnaissance groundwater sampling are provided in Tables 5 and 6. The complete laboratory analytical reports for soil and groundwater samples are provided in Attachment C.

PASSIVE SOIL GAS

Two PCE anomalies were identified south of the Central Building and on the southeastern corner of the Site in the passive soil gas survey. Three TPH and BTEX anomalies were identified south and west of the Central Building and on the southeastern corner of the Site in the passive soil gas survey. An additional BTEX anomaly was identified north of the Central Building at the approximate location of a former underground storage tank (UST) that was removed prior to



2003.¹ The results from the passive soil gas survey for selected analytes are shown on isoconcentration maps included in Attachment B. A summary of the passive soil gas survey results is provided below.

Petroleum Hydrocarbons and BTEX

The passive soil gas survey identified three TPH anomalies on the Site:

- Samplers FGS-20 through FGS-22 west of the Central Building, with a maximum adsorbed concentration² of 43.7 micrograms (μg);
- Samplers FGS-13 and FGS-54 south of the Central Building and FGS-50 east of the Central Building, with a maximum adsorbed concentration of 61.3 μg ; and
- Samplers FGS-04 through FGS-08 south of the East Building, with a maximum adsorbed concentration of 52.8 μg .

BTEX anomalies identified at the Site generally were coincident with TPH anomalies, with the exception of sampler FGS-33 north of the Central Building, where the adsorbed BTEX concentration was 21.6 μg . Sampler FGS-33 is located proximate to the former UST excavation identified by SoundEarth Strategies, Inc. in 2011 (Figure 3).

Halogenated Volatile Organic Compounds

The passive soil gas survey identified two PCE anomalies on the Site:

- Samplers FGS-12, FGS-13, FGS-50, and FGS-53 south of the Central Building, with a maximum adsorbed concentration of 7.44 μg proximate to the side sewer line exiting the Central Building; and
- Sampler FGS-05 on the southeastern corner of the Site, with a concentration of 4.26 μg .

TCE was also detected in sampler FGS-05 at a concentration of 0.45 μg . No other detections of TCE were reported in the passive soil gas survey.

SOIL

DRO was the only analyte detected at a concentration that exceeded its MTCA cleanup level in soil (Table 3). Low concentrations of HVOCs, including PCE and PCE breakdown products, were detected in shallow soil samples collected from the western and central portions of the Site and the southeastern corner of the Site between the ground surface and a maximum depth of 50 feet bgs (Table 2). PCE breakdown products were detected at concentrations less than MTCA cleanup levels in deep soil samples collected from monitoring wells FMW-09 and FMW-13 at depths more than 50 feet bgs (Table 2). Metals, including barium, chromium, lead, and/or mercury, were

¹ Letter regarding Summary of Supplemental Subsurface Investigation Activities, Former Town & Country Cleaners, 10640 – 10650 Northeast 8th Street, Bellevue, Washington dated June 14, 2011, from Ms. Erin K. Rothman and Mr. Berthin Q. Hyde of SoundEarth Strategies, Inc. to Mr. Shawn Parry of Touchstone Corporation.

² Adsorbed concentration refers to the total mass extracted from the sampler and measured at the time of analysis. Anomalies are identified qualitatively as areas with greater adsorbed concentrations than surrounding samplers.



detected at concentrations approximating background concentrations in shallow soil samples collected from monitoring wells FMW-04 through FMW-13 to a maximum depth of 15 feet bgs (Table 4). Analytical results are summarized by the portion of the Site in the sections below.

Central Portion of Site

DRO was detected at concentrations ranging from 2,300 to 8,200 mg/kg, exceeding the MTCA Method A cleanup level of 2,000 mg/kg, in the soil samples collected from monitoring well FMW-04, north of the Central Building, between depths of 5 to 15 feet bgs (Figure 4). No other analytes were detected at concentrations that exceeded MTCA cleanup levels in the soil samples analyzed (Table 3).

DRO and/or ORO were detected at concentrations ranging from 99 to 240 mg/kg in the soil samples collected from monitoring wells FMW-12, FMW-14, and FMW-15, south of the Central Building, between depths of 5 to 15 feet bgs (Figure 4; Table 3). TPH was reported non-detect at the laboratory practical quantitation limit (PQL) in all remaining soil samples collected south of the Central Building to a maximum depth of 90 feet bgs. TPH was reported non-detect at the laboratory PQL in all samples collected from boring FB-06, northeast of the Central Building and across the driveway that separates the Central and Eastern Buildings.

PCE was detected at concentrations less than the MTCA Method A cleanup level in the soil samples collected from monitoring well FMW-14 between depths of 2.5 to 20 feet bgs; and in the soil sample collected from monitoring well FWM-12, south of the Central Building, at a depth of 13 feet bgs. PCE and/or limited PCE breakdown products were also detected at concentrations less than MTCA cleanup levels in the soil samples collected from monitoring well FMW-04 at a depth of 15 feet bgs, and from boring FB-06 at a depth of 22.5 feet bgs (Figure 5). HVOCs were reported non-detect at the laboratory PQL in soil samples collected from monitoring well FMW-15, southeast of the Central Building, between depths of 7.5 to 50 feet bgs.

PCE was detected south of the Central Building at concentrations ranging from 0.013 to 0.0014 mg/kg in the soil samples collected from monitoring well FMW-14 between depths of 2.5 to 20 feet bgs, and at a concentration of 0.0013 mg/kg in the soil sample collected from monitoring well FMW-12 at a depth of 13 feet bgs. HVOCs were reported non-detect at the laboratory PQL in the soil samples collected from monitoring well FMW-14 between depths of 25 to 40 feet bgs, from monitoring well FMW-12 at a depth of 5 feet bgs and between depths of 20 to 45 feet bgs, and from monitoring well FMW-15 between depths of 7.5 to 40 feet bgs.

PCE breakdown products, including cis-1,2-DCE and vinyl chloride, were detected at concentrations ranging from 0.0097 to 0.0052 mg/kg in deep soil samples collected from monitoring well FMW-08 at depths of 50 and 60 feet bgs. HVOCs were reported non-detect at the laboratory PQL in the soil samples collected from monitoring well FMW-08 between depths of 70 to 95 feet bgs.



Western Portion of Site

DRO and/or ORO were detected at low concentrations ranging from 73 to 380 mg/kg in shallow soil samples collected from borings FB-05, FB-07, and FB-08 and monitoring wells FMW-08, FMW-10, FMW-17, and FMW-18, west of the Central Building, between depths of 2.5 to 35 feet bgs (Figure 4; Table 3). Only two detections of TPH were deeper than 5 feet bgs: DRO was detected at a concentration of 58 mg/kg in the soil sample collected from boring FB-07 at a depth of 35 feet bgs; and ORO was detected at a concentration of 83 mg/kg in the soil sample collected from monitoring well FMW-17 at a depth of 15 feet bgs. TPH was reported non-detect at the laboratory PQL in all remaining soil samples collected from the western portion of the Site to a maximum depth of 85 feet bgs.

HVOC breakdown products, including cis-1,2-DCE and vinyl chloride, were detected at concentrations less than MTCA cleanup levels in the soil samples collected from borings FB-05 and FB-06 and monitoring well FMW-18 between depths of 35 to 45 feet bgs, and from monitoring well FMW-17 between depths of 20 to 50 feet bgs. HVOCs, including PCE, cis-1,2-DCE, and vinyl chloride, were detected at concentrations less than MTCA cleanup levels in the soil samples collected from monitoring well FMW-04, north of the Central Building, between depths of 10 to 35 feet bgs.

HVOCs and petroleum hydrocarbons were reported non-detect at the laboratory PQL in the soil samples collected from monitoring wells FMW-09 and FMW-10 between depths of 5 and 45 feet bgs. HVOCs, including cis-1,1-DCE and vinyl chloride, were detected at concentrations less than MTCA cleanup levels in the soil samples collected from monitoring well FMW-09 at depths of 50 and 60 feet bgs. HVOCs were reported non-detect at the laboratory PQL for the soil samples collected from monitoring wells FMW-07 and FMW-10 between depths of 55 and 95 feet bgs.

Southeastern Corner of Site

ORO was detected at concentrations ranging from 76 to 500 mg/kg in the soil samples collected from borings FB-01, FB-03, and FB-04 and monitoring well FMW-16 between depths of 2.5 to 5 feet bgs on the southeastern corner of the Site. TPH was reported non-detect at the laboratory PQL in all remaining samples collected on the southeastern corner of the Site to a maximum depth of 55 feet bgs.

HVOCs, including PCE and PCE breakdown products, were detected in the soil samples collected from monitoring wells FMW-16 and FMW-19 at a depth of 2.5 feet bgs, and from boring FB-03 and monitoring well FMW-11 at a depth of 25 feet bgs. HVOCs were reported non-detect at the laboratory PQL in all remaining soil samples collected from the southeastern corner of the Site.

Northeastern Corner of Site

PCE was detected at concentrations ranging from 0.0019 to 0.0039 mg/kg, less than the MTCA Method A cleanup level, in deep soil samples collected from monitoring well FMW-13 at depths of 70, 80, and 90 feet bgs. HVOCs, including PCE, were reported non-detect at the laboratory PQL in the soil samples collected from monitoring well FMW-013 between depths of 5 to 60 feet bgs.



GROUNDWATER

Shallow perched groundwater was encountered between depths of approximately 9 to 50 feet bgs on the central and western portions of the Site. PCE, cis-1,2-DCE, vinyl chloride, DRO, and GRO were detected at concentrations that exceed MTCA cleanup levels in shallow groundwater samples collected from monitoring wells on the central and western portions of the Site (Figure 7). Deep groundwater was encountered at a depth of approximately 80 to 90 feet bgs on the Site. DRO was the only analyte detected at a concentration slightly exceeding the MTCA cleanup level in a single monitoring well screened in the deeper groundwater-bearing zone (Figure 8).

Shallow Groundwater

PCE was detected at a concentration of 8.9 $\mu\text{g/l}$, exceeding the MTCA Method A cleanup level of 5 $\mu\text{g/l}$, in the groundwater sample collected from shallow monitoring well MW01 on the south-central portion of the Site, south of the Central Building (Table 5; Figure 7). DRO and GRO were detected at concentrations of 4,400 and 1,400 $\mu\text{g/l}$, respectively, which exceeded their respective MTCA cleanup levels of 500 and 800 $\mu\text{g/l}$, in the groundwater sample collected from monitoring well FMW-5 in the northern portion of the Central Building (Table 6).

HVOC breakdown products and/or benzene were detected at concentrations that exceeded MTCA cleanup levels in shallow groundwater samples collected from monitoring wells FMW-05, FMW-06, FMW-17, and FMW-18. Benzene was detected at a concentration of 9.6 $\mu\text{g/l}$, exceeding the MTCA Method A cleanup level of 5 $\mu\text{g/l}$, in the groundwater sample collected from monitoring well FMW-05, north of the Central Building. Cis-1,2-DCE was detected at concentrations of 18 and 190 $\mu\text{g/l}$, exceeding the MTCA Method B cleanup level of 16 $\mu\text{g/l}$, in the groundwater samples collected from shallow monitoring wells FMW-17 and FMW-18 on the western portion of the Site. Vinyl chloride was detected at concentrations ranging from 0.22 to 80 $\mu\text{g/l}$ in the groundwater samples collected from monitoring well FMW-05, north of the Central Building, and from monitoring wells FMW-06, FMW-17, and FMW-18 on the western portion of the Site. Vinyl chloride was detected at concentrations that exceeded the MTCA Method B cleanup level of 0.2 $\mu\text{g/l}$ in the groundwater samples collected from monitoring wells FMW-05, FMW-06, FMW-17, and FMW-18.

DRO, benzene, trans-1,2-DCE, and/or chloroform were detected at concentrations less than MTCA cleanup levels in shallow groundwater samples collected on the central and western portions of the Site. All other analytes were reported non-detect at the laboratory PQL in shallow groundwater samples analyzed.

Monitoring wells FMW-11, FMW-16, and FMW-19 did not exhibit adequate recharge to allow for sampling; therefore, no shallow groundwater samples have been collected on the southeastern portion of the Site to date.

Deep Groundwater

Monitoring wells FMW-07 through FMW-09 and FMW-11 through FMW-13 were screened within a deeper groundwater-bearing zone encountered at depths of approximately 80 to 90 feet



bgs to further evaluate potential impacts to deep groundwater from historical uses on the Site and the potential migration of hazardous substances onto the Site (Figure 8). Deep monitoring well FMW-10 did not have adequate water present at the time of sampling.

Cis-1,2-DCE was detected at a concentration of 0.74 $\mu\text{g/l}$ in the groundwater sample collected from monitoring well FMW-07 and 0.57 $\mu\text{g/l}$ in the groundwater sample collected from monitoring well FMW-09, which are less than the MTCA Method B cleanup level of 16 $\mu\text{g/l}$. DRO was detected at a concentration of 700 $\mu\text{g/l}$, exceeding the MTCA Method A cleanup level of 500 $\mu\text{g/l}$, in the deep groundwater sample collected from monitoring well FMW-09. Toluene and/or chloroform were detected at concentrations less than MTCA cleanup levels in deep groundwater samples collected from monitoring wells FMW-07, FMW-09, FMW-11, and FMW-12. All other COPCs analyzed were reported non-detect at the laboratory PQL in the deep groundwater samples analyzed.

CONCEPTUAL SITE MODEL AND CONCLUSIONS

Results from the subsurface investigation and Farallon's actual knowledge of properties in the vicinity of the Site were used to develop a preliminary conceptual site model. The conceptual site model addresses the Site geology and hydrogeology; the nature and extent of chemicals of potential concern; and the distribution of chemicals of potential concern in soil gas, soil, and groundwater at the Site.

General Site stratigraphy consists of sand and silty sand with interbeds of well- to poorly graded sand and silt to depths of approximately 90 to 95 feet bgs. A well-graded gravel that was discontinuous across the Site was encountered between depths of 50 to 85 feet bgs. A stiff to hard gray silt was observed below the sand and silty sand unit to the maximum depth explored of 100 feet bgs.

Shallow perched groundwater-bearing intervals were encountered between depths of approximately 9 to 40 feet bgs, and may be present in multiple discontinuous units across the Site. Wet intervals were observed during installation of monitoring wells on the southeastern portion of the Site. However, groundwater flow to monitoring wells screened across wet intervals on this portion of the Site was not adequate to generate sufficient sampling volume at the time of the subsurface investigation. Based on synoptic groundwater measurements on the Site, shallow groundwater flows approximately south to southwest. A deeper groundwater-bearing zone was encountered between depths of approximately 80 to 90 feet bgs across the Site and flows approximately northwest based on synoptic groundwater measurements.

Farallon's subsurface investigation results confirm a release of PCE to the subsurface on the central portion of the Site that is acting as a source to soil gas, soil, and shallow perched groundwater. The release of PCE to the subsurface and the associated contamination of shallow perched groundwater is supported by:

- PCE detected at a concentration of 832 $\mu\text{g/m}^3$ in the discrete soil gas sample SG-6 collected north of the Central Building by SES in 2004;



- PCE historically detected at a concentration of 0.065 mg/kg, exceeding the MTCA Method A cleanup level in shallow soil, in a sample collected from beneath the Central Building at a depth of 40.3 feet bgs by SES in 2011;
- The PCE soil gas anomaly identified south and east of the Central Building during the passive soil gas survey;
- PCE detected at concentrations less than the MTCA Method A cleanup level in shallow soil samples collected east and south of the Central Building by Farallon; and
- PCE detected at concentrations that exceed the MTCA Method A cleanup level in shallow, perched groundwater samples collected south of the Central Building by Farallon.

The draft Phase I Environmental Site Assessment Report dated July 10, 2018 prepared by Farallon for SCD, identifies the Central Building as a former dry cleaning facility that operated from at least 1955 through 1977 on the Site. The historical release of PCE to soil gas, soil, and shallow perched groundwater on the central portion of the Site likely is the source of PCE breakdown products observed in shallow perched groundwater on the western portion of the Site.

Farallon's subsurface investigation results confirm a release(s) of petroleum hydrocarbons north of the Central Building that is acting as a source to soil and groundwater. The release of petroleum hydrocarbons was confirmed by:

- DRO, ORO, GRO, and benzene historically detected at concentrations that exceed MTCA cleanup levels in shallow soil and shallow groundwater samples collected by SES in 2011 and Golder in 2004;
- The adsorbed BTEX concentration of 21.6 µg at sampler FGS-33 in the passive soil gas survey;
- DRO detected at concentrations that exceed the MTCA Method A cleanup level of 2,000 mg/kg in shallow soil samples collected from monitoring well FMW-04; and
- DRO, GRO, and benzene detected at concentrations that exceed MTCA Method A cleanup levels in groundwater samples collected from monitoring well FMW-05.

These release(s) likely are associated with historical uses at the automotive sales and service facility and/or the former UST north of the Central Building. The detection of DRO at a concentration of 700 µg/l, exceeding the MTCA Method A cleanup level of 500 µg/l, in the deep groundwater sample collected from monitoring well FMW-09 on the west-central portion of the Site may be associated with release(s) potentially associated with historical uses at the former automotive sales and service facility and/or former UST north of the Central Building. However, the nature of the source and migration pathway has not been identified with current sampling locations.

The laboratory analytical results indicate that the TPH passive soil gas anomalies on the western and southeastern portions of the Site were associated with low concentrations of primarily ORO in shallow soil. Low concentrations of HVOCs, including PCE and associated breakdown products, were present in shallow soil on the western, central, and southeastern portions of the Site



between depths of 2.5 to 50 feet bgs. HVOCs reported non-detect at the laboratory PQL in soil samples collected from monitoring wells FMW-09 and FMW-10 between depths of 5 and 50 feet bgs bound the western extent of HVOC impacts to shallow soil.

The nature of the low concentrations of petroleum hydrocarbons and/or HVOCs detected in shallow soil gas and soil samples collected on the southeastern portion of the Site has not been identified but likely is from the historical operations of the automotive sales and service and/or dry cleaning facilities at the Site. Concentrations of both petroleum hydrocarbons and HVOCs reported in soil to date are less than their respective MTCA cleanup levels. Shallow groundwater monitoring wells FMW-11, FMW-16, and FMW-19 did not exhibit adequate recharge to allow for sampling.

Low concentrations of PCE and PCE breakdown products were also present in deep soil more than 50 feet bgs at monitoring wells FMW-09 and FMW-13. The presence of low concentrations of HVOCs and TPH in soil on the Site likely is associated with historical operation of the dry cleaning facility and/or automotive sales and service facility at the Site. Farallon's subsurface investigation results do not indicate migration of contamination to the Site from the confirmed source on the west-adjacent Thinker Toys property.

Analytical results from the subsurface investigation indicate that HVOC and/or petroleum hydrocarbon detections in soil at concentrations less than MTCA cleanup levels are primarily limited to shallow soil at depths less than 50 feet bgs. Soil with detectable concentrations of HVOCs and/or petroleum hydrocarbons, visible staining, and/or odor will require special handling and segregation from clean material, if excavated during future redevelopment of the Site.

The Site currently is listed by Ecology with confirmed releases of hazardous substances to soil and groundwater, including HVOCs and petroleum hydrocarbons. Soil with concentrations of PCE less than 14 mg/kg, TCE less than 10 mg/kg, and/or vinyl chloride less than 4 mg/kg that requires excavation and off-Site disposal, if excavated during future redevelopment activities, may be disposed of as nonhazardous waste at a Subtitle D landfill under a Contained-In determination³ issued by Ecology. Soil with concentrations of HVOCs exceeding these concentrations, if encountered during future excavation, will require disposal as dangerous waste at a Subtitle C landfill under Washington State Dangerous Waste Regulations (i.e., Chapter 173-303 of the Washington Administrative Code). Farallon recommends additional test pit performance sampling be performed during Site redevelopment to characterize soil lifts for segregation and disposal prior to excavation. If excavated as part of redevelopment of the Site, petroleum-contaminated soil, including soil with detectable concentrations of petroleum hydrocarbons, visual staining, petroleum- or solvent-like odors, measurable volatile organic vapors, and/or concentrations of petroleum hydrocarbon or VOC constituents that exceed cleanup levels or acceptance criteria as uncontaminated soil, will require segregation from clean soil and disposal in accordance with Ecology's *Guidance for Remediation of Petroleum Contaminated Sites* revised June 2016 at an appropriately licensed facility.

³ Ecology's Contained-In determination policy is described in the Memorandum regarding Contained-in Policy dated February 19, 1993, from Mr. Tom Eaton of Ecology to All Hazardous Waste Staff.



CLOSING

Farallon appreciates the opportunity to provide SCD Acquisitions West LLC with environmental consulting services. Please contact either of the undersigned at (425) 295-0800 if you have questions or comments regarding this letter.

Sincerely,

Farallon Consulting, L.L.C.

Eric Buer, L.G., L.H.G.
Associate Geologist

J. Riley Conkin, L.G., L.H.G.
Principal Geologist

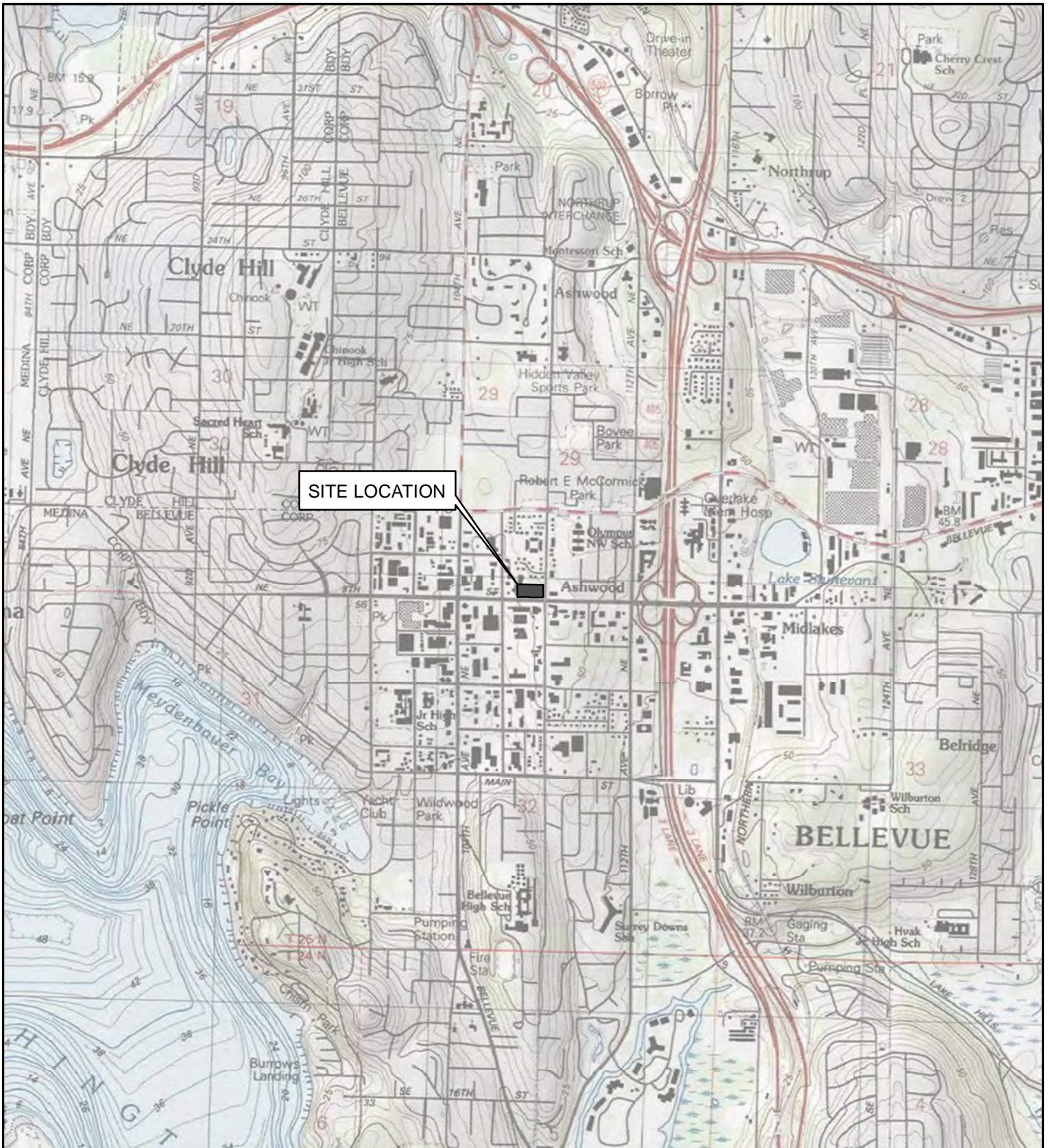
Attachments: Figure 1, *Site Vicinity Map*
Figure 2, *Site Plan*
Figure 3, *Passive Soil Gas Sampling Locations*
Figure 4, *Select Petroleum Hydrocarbon Analytical Results for Soil*
Figure 5, *Select HVOC Results for Soil Ground Surface to 120 Feet Elevation NAVD88*
Figure 6, *Select HVOC Results for Soil 120 Feet to 70 Feet Elevation NAVD88*
Figure 7, *Select Analytical Results for Shallow Groundwater*
Figure 8, *Select Analytical Results for Deep Groundwater*
Table 1, *Groundwater Elevation and Well Construction*
Table 2, *Soil Analytical Results for Select Halogenated VOCs*
Table 3, *Soil Analytical Results for Petroleum Hydrocarbons and BTEX*
Table 4, *Soil Analytical Results for Select Metals*
Table 5, *Groundwater Analytical Results for Select Halogenated VOCs*
Table 6, *Groundwater Analytical Results for Petroleum Hydrocarbons and BTEX*
Attachment A, *Boring Logs*
Attachment B, *Passive Soil Gas Survey Reports*
Attachment c, *Laboratory Analytical Reports*

EB/RC:mm

FIGURES

SUMMARY OF SUBSURFACE INVESTIGATION
10650 Northeast 8th Street
Bellevue, Washington

Farallon PN: 1065-010



REFERENCE: 7.5 MINUTE USGS QUADRANGLE MERCER ISLAND, WASHINGTON, DATED 2013



Quality Service for Environmental Solutions | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

California
Oakland | Folsom | Irvine

FIGURE 1
SITE VICINITY MAP
10650 NORTHEAST 8th STREET
BELLEVUE, WASHINGTON

FARALLON PN: 1065-010

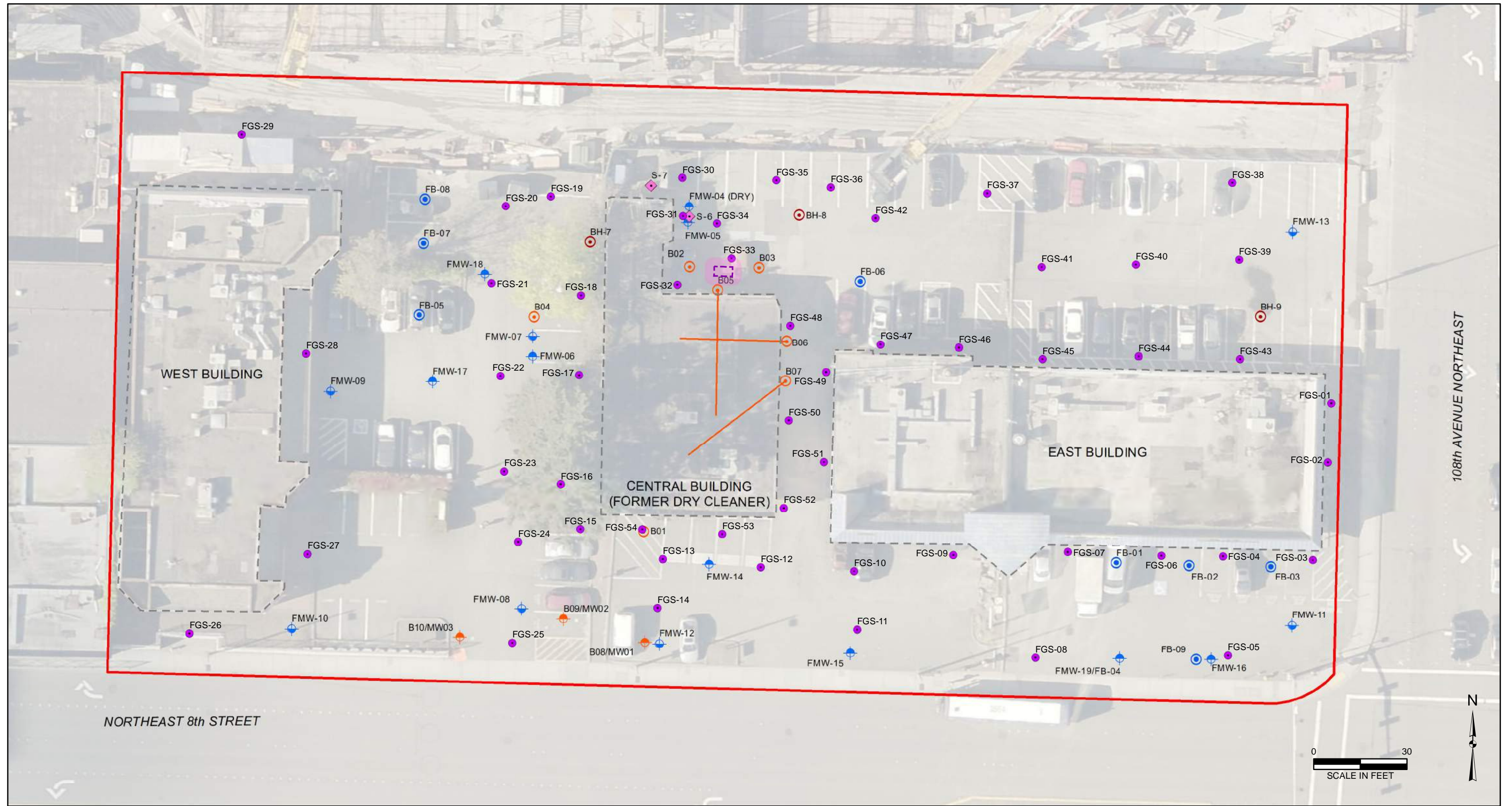
Drawn By: ijones

Checked By: EB

Date: 7/5/2018

Disc Reference:

Document Path: Q:\Projects\1065 Skanska\010 Wasatch\Mapfiles\Summary Letter\FIGURE_01_SITE VICINITY_MAP_WA.mxd



LEGEND

- ▭ SITE BOUNDARY
- EXISTING BUILDING OUTLINE
- FORMER UST
- APPROXIMATE UST EXCAVATION EXTENT
- BORING (FARALLON, 2018)
- BORING (SES, 2011)
- ◉ ANGLED BORING (SES, 2011)
- ◉ BORING (GOLDER, 2003)
- ⊕ MONITORING WELL - SHALLOW (FARALLON, 2018)
- ⊕ MONITORING WELL - DEEP (FARALLON, 2018)
- ⊕ MONITORING WELL (SES, 2011)
- ◆ SOIL GAS SAMPLE (GOLDER, 2003)
- GORESORBER SAMPLE LOCATION (FARALLON, 2018)

NOTES:
 1. ALL LOCATIONS AND AREAS ARE APPROXIMATE
 2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION
 3. COMPLETED LOCATIONS AS OF JUNE 4, 2018
 UST = UNDERGROUND STORAGE TANK

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

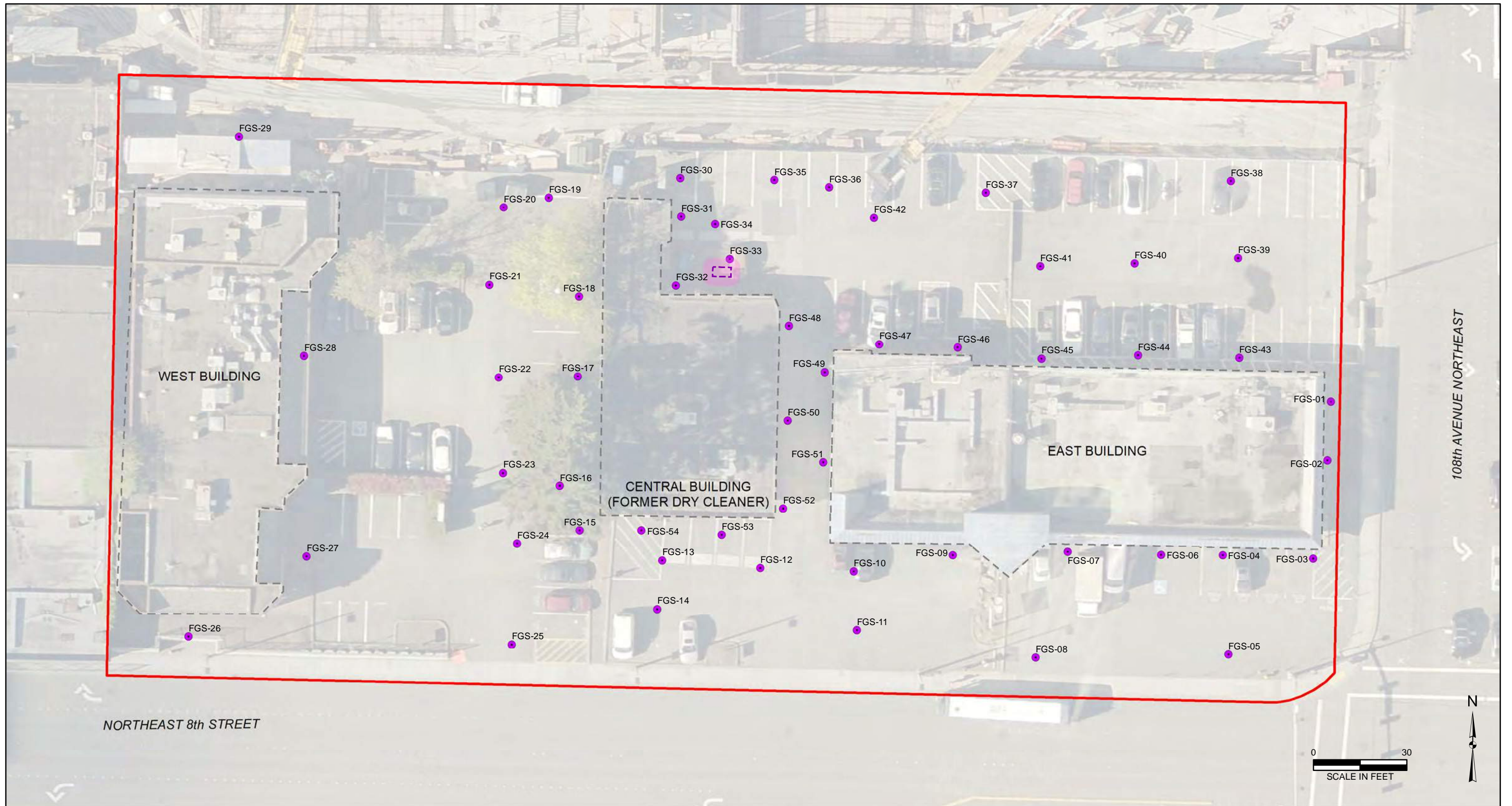
California
Oakland | Folsom | Irvine

FARALLON
CONSULTING

Quality Service for Environmental Solutions | farallonconsulting.com

FIGURE 2
 SITE PLAN
 10650 NORTHEAST 8th STREET
 BELLEVUE, WASHINGTON

FARALLON PN: 1065-010



- LEGEND**
- SITE BOUNDARY
 - EXISTING BUILDING OUTLINE
 - FORMER UNDERGROUND STORAGE TANK (UST)
 - APPROXIMATE UST EXCAVATION EXTENT
 - GORESORBER SAMPLE LOCATION (FARALLON, 2018)

NOTES:
 1. ALL LOCATIONS ARE APPROXIMATE
 2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES
 MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

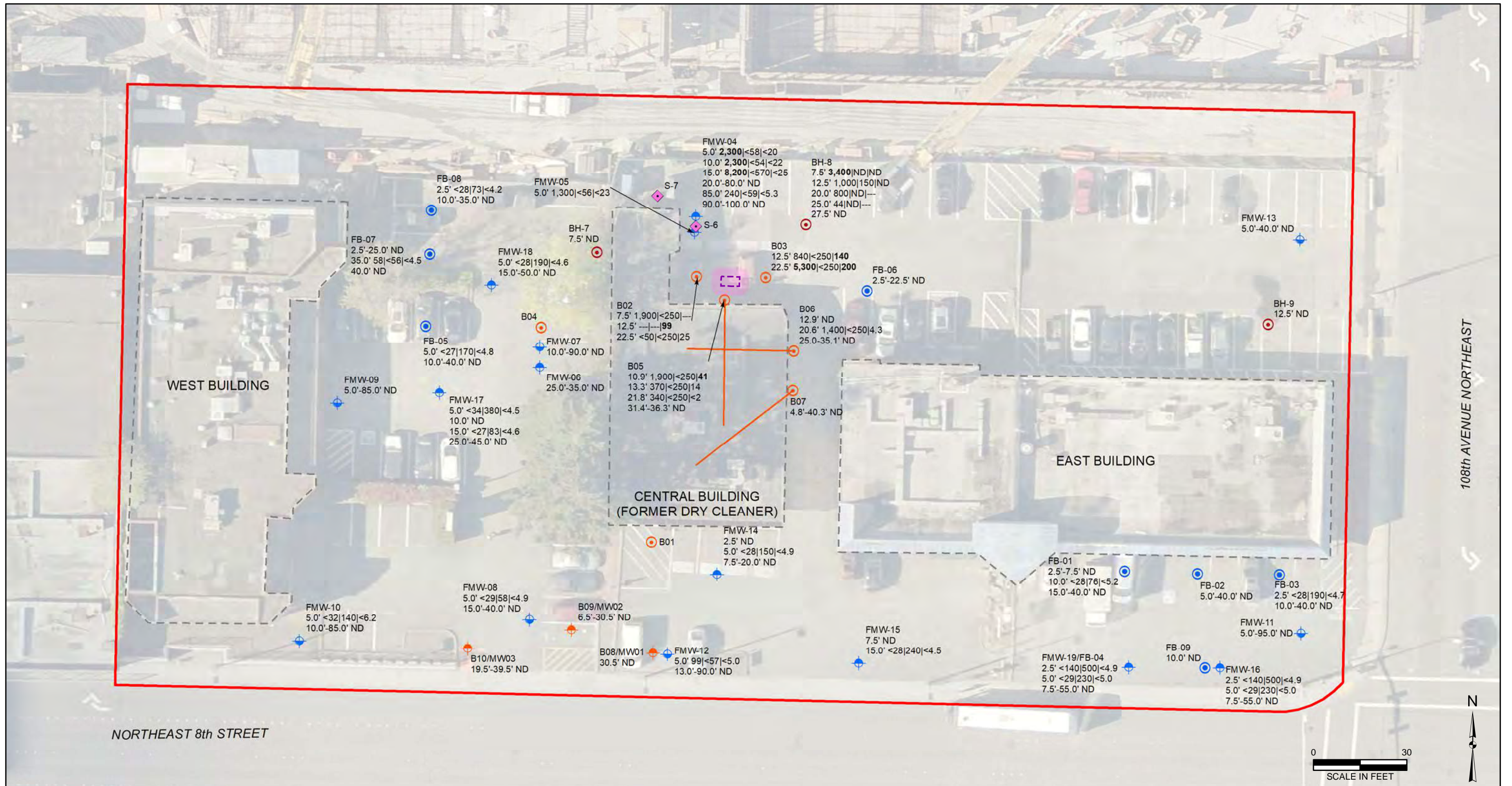
California
Oakland | Folsom | Irvine

FARALLON
CONSULTING

Quality Service for Environmental Solutions | farallonconsulting.com

FIGURE 3
 PASSIVE SOIL GAS SAMPLING LOCATIONS
 10650 NORTHEAST 8th STREET
 BELLEVUE, WASHINGTON

FARALLON PN: 1065-010



LEGEND

- SITE BOUNDARY
 - EXISTING BUILDING OUTLINE
 - FORMER UST
 - APPROXIMATE UST EXCAVATION EXTENT
 - BORING (FARALLON, 2018)
 - BORING (SES, 2011)
 - ANGLED BORING (SES, 2011)
 - BORING (GOLDER, 2003)
 - ⊕ MONITORING WELL - SHALLOW (FARALLON, 2018)
 - ⊕ MONITORING WELL - DEEP (FARALLON, 2018)
 - ⊕ MONITORING WELL (SES, 2011)
 - ◆ SOIL GAS SAMPLE (GOLDER, 2003)
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

NOTES:
SOIL RESULTS SHOWN AS
DEPTH INTERVAL IN FEET BELOW GROUND SURFACE DRO | ORO | GRO IN mg/kg
BOLD = CONCENTRATIONS EXCEEDING APPLICABLE CLEANUP LEVELS
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
-- = DENOTES SAMPLE NOT ANALYZED
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
GRO = TPH AS GASOLINE-RANGE ORGANICS
ND = SHOWN IN PLACE OF THE DRO|ORO|GRO CONCENTRATIONS INDICATES THESE THREE ANALYTES WERE NOT DETECTED IN THE SAMPLE(S) ABOVE THE LABORATORY REPORTING LIMIT
mg/kg = MILLIGRAMS PER KILOGRAM
UST = UNDERGROUND STORAGE TANK

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Bend | Baker City

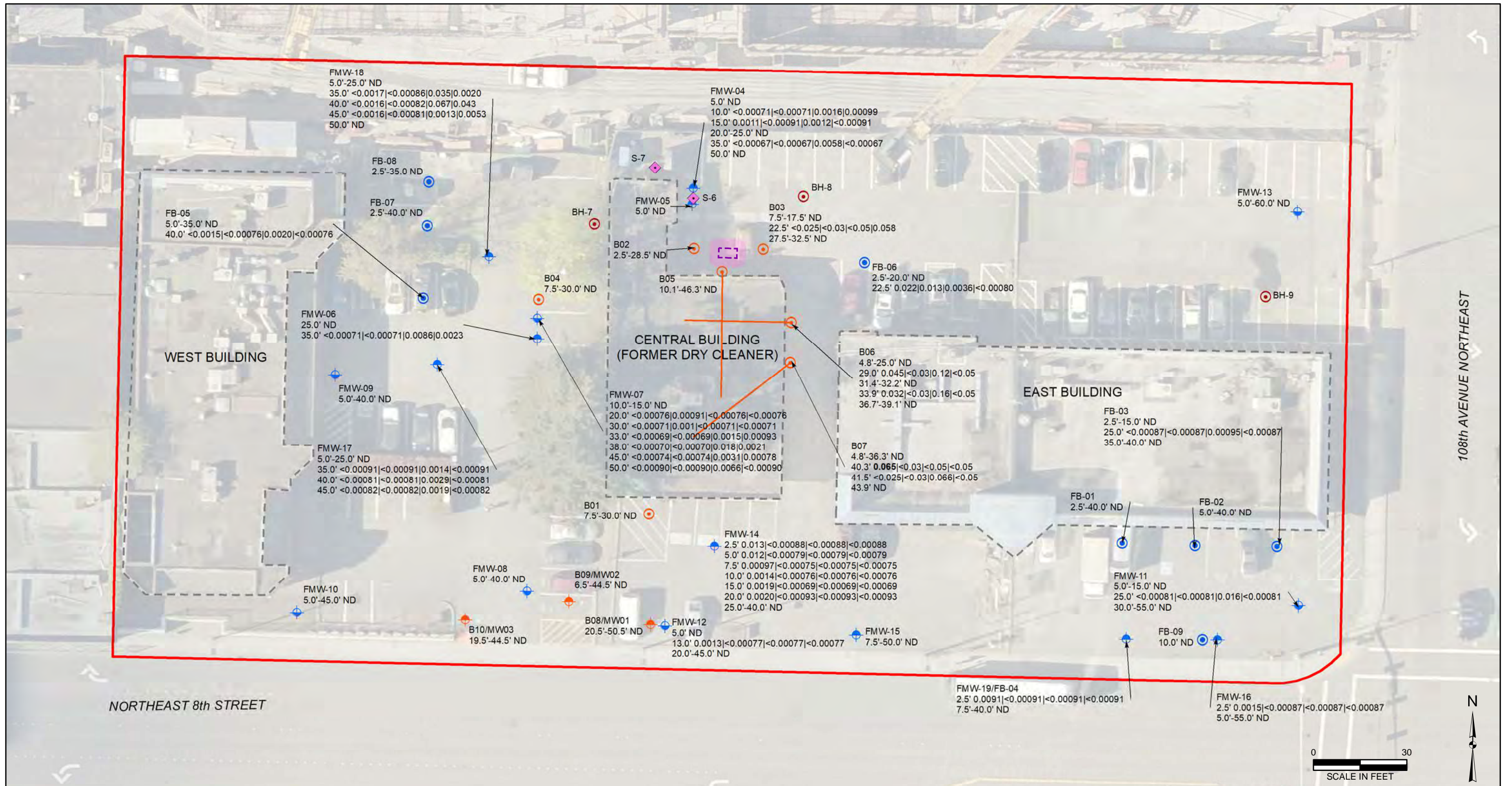
California
Oakland | Folsom | Irvine

Quality Service for Environmental Solutions | farallonconsulting.com

FIGURE 4

SELECT PETROLEUM HYDROCARBON
ANALYTICAL RESULTS FOR SOIL
10650 NORTHEAST 8th STREET
BELLEVUE, WASHINGTON

FARALLON PN: 1065-010



LEGEND

- SITE BOUNDARY
- EXISTING BUILDING OUTLINE
- FORMER UST
- APPROXIMATE UST EXCAVATION EXTENT
- BORING (FARALLON, 2018)
- BORING (SES, 2011)
- ANGLED BORING (SES, 2011)
- ⊕ MONITORING WELL - SHALLOW (FARALLON, 2018)
- ⊕ MONITORING WELL - DEEP (FARALLON, 2018)
- ⊕ MONITORING WELL (SES, 2011)
- ◆ SOIL GAS SAMPLE (GOLDER, 2003)

1. ALL LOCATIONS ARE APPROXIMATE
 2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

NOTES:
 SOIL RESULTS SHOWN AS
 DEPTH INTERVAL IN FEET BELOW GROUND SURFACE PCE | TCE | cis-1,2-DCE | VC IN mg/kg
BOLD = CONCENTRATIONS EXCEEDING APPLICABLE CLEANUP LEVELS
 < = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
 --- = DENOTES SAMPLE NOT ANALYZED
 PCE = TETRACHLOROETHENE
 TCE = TRICHLOROETHENE
 cis-1,2-DCE = cis-1,2-DICHLOROETHENE
 VC = VINYL CHLORIDE
 ND = SHOWN IN PLACE OF THE PCE|TCE|cis-1,2-DCE|VC CONCENTRATIONS INDICATES THESE FOUR ANALYTES WERE NOT DETECTED IN THE SAMPLE(S) ABOVE THE LABORATORY REPORTING LIMIT
 mg/kg = MILLIGRAMS PER KILOGRAM
 UST = UNDERGROUND STORAGE TANK



FARALLON
CONSULTING

Quality Service for Environmental Solutions | farallonconsulting.com

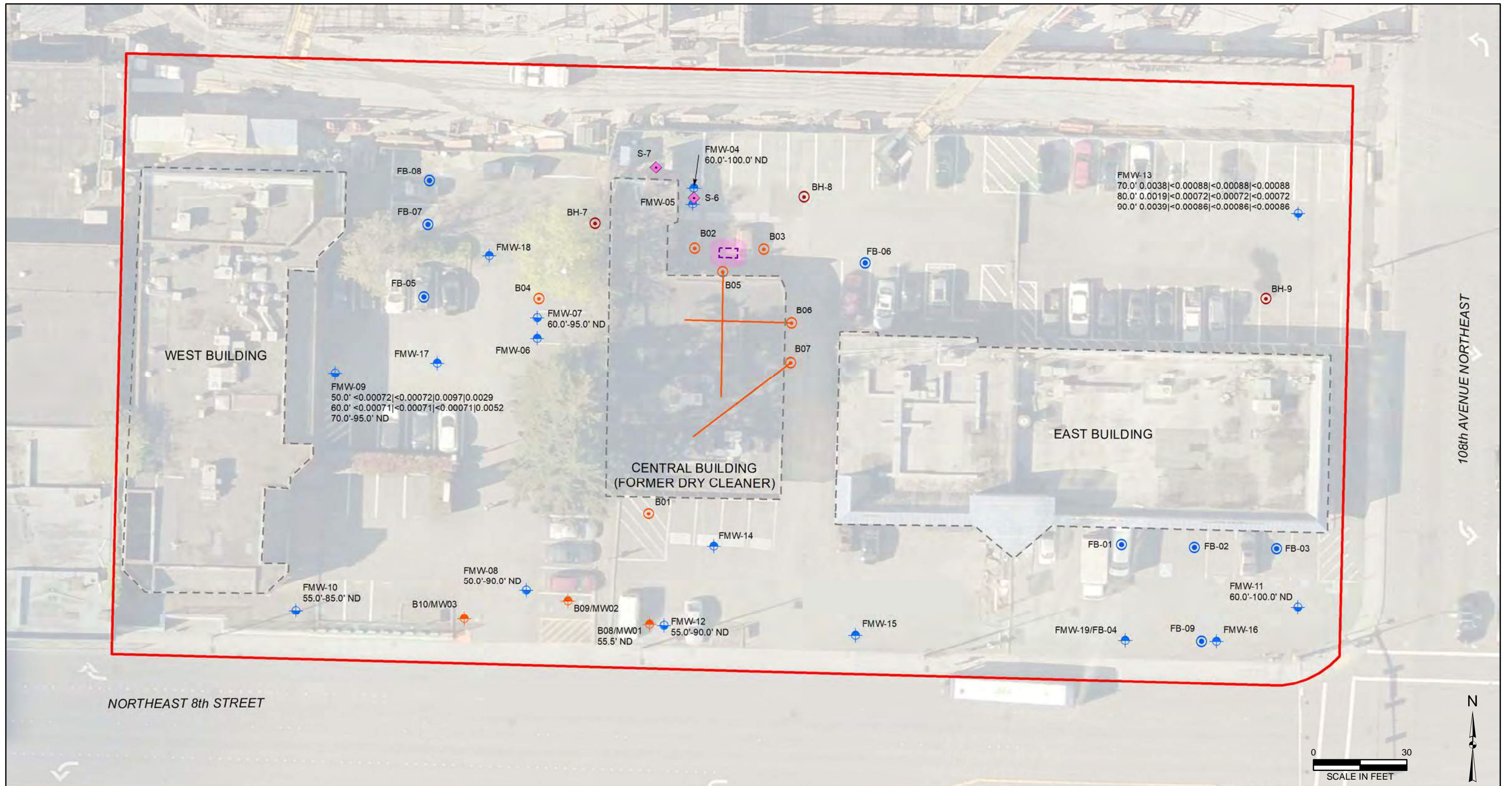
Washington Issaquah Bellingham Seattle	Oregon Portland Bend Baker City	California Oakland Folsom Irvine
---	--	---

Drawn By: ebuer Checked By: EB Date: 7/13/2018 Disc Reference: Q:\Projects\1065 Skanska\010 Wasatch\Mapfiles\Summary Letter\FIGURE_05_HVOCs_SHALLOW-SOIL.mxd

FIGURE 5

SELECT HVOC RESULTS FOR SOIL
 GROUND SURFACE TO 120 FEET ELEVATION NAVD88
 10650 NORTHEAST 8th STREET
 BELLEVUE, WASHINGTON

FARALLON PN: 1065-010



LEGEND

- SITE BOUNDARY
 - EXISTING BUILDING OUTLINE
 - FORMER UST
 - APPROXIMATE UST EXCAVATION EXTENT
 - BORING (FARALLON, 2018)
 - BORING (SES, 2011)
 - ANGLED BORING (SES, 2011)
 - BORING (GOLDER, 2003)
 - ⊕ MONITORING WELL - SHALLOW (FARALLON, 2018)
 - ⊕ MONITORING WELL - DEEP (FARALLON, 2018)
 - ⊕ MONITORING WELL (SES, 2011)
 - ◆ SOIL GAS SAMPLE (GOLDER, 2003)
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

NOTES:
SOIL RESULTS SHOWN AS
DEPTH INTERVAL IN FEET BELOW GROUND SURFACE PCE | TCE | cis-1,2-DCE | VC IN mg/kg
BOLD = CONCENTRATIONS EXCEEDING APPLICABLE CLEANUP LEVELS
< = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
--- = DENOTES SAMPLE NOT ANALYZED
PCE = TETRACHLOROETHENE
TCE = TRICHLOROETHENE
cis-1,2-DCE = cis-1,2-DICHLOROETHENE
VC = VINYL CHLORIDE
ND = SHOWN IN PLACE OF THE PCE|TCE|cis-1,2-DCE|VC CONCENTRATIONS INDICATES THESE FOUR ANALYTES WERE NOT DETECTED IN THE SAMPLE(S) ABOVE THE LABORATORY REPORTING LIMIT
mg/kg = MILLIGRAMS PER KILOGRAM
UST = UNDERGROUND STORAGE TANK



FARALLON
CONSULTING

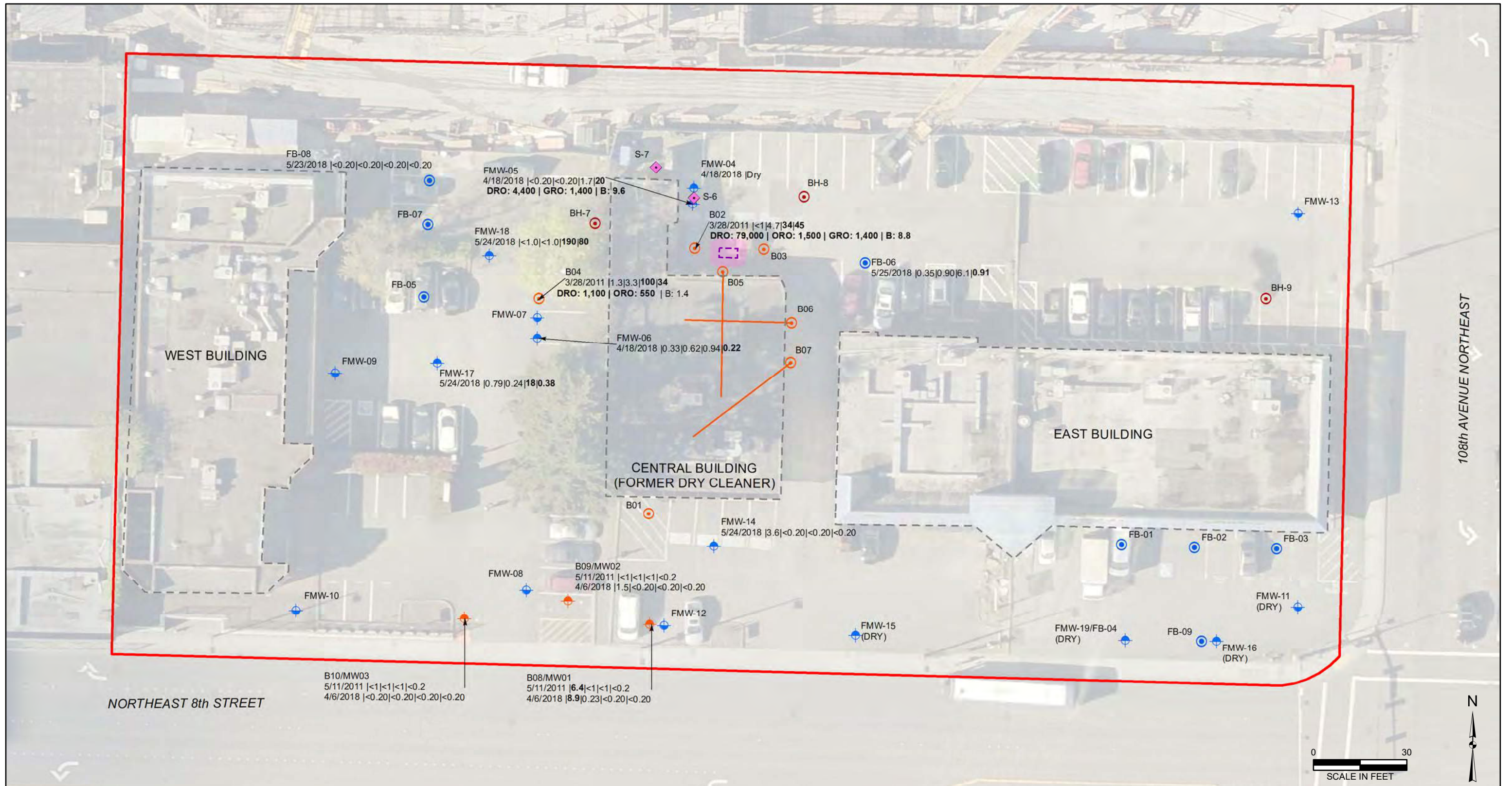
Quality Service for Environmental Solutions | farallonconsulting.com

Issaquah Bellingham Seattle Washington	Portland Bend Baker City Oregon	Oakland Folsom Irvine California
---	--	---

Drawn By: ebuer Checked By: EB Date: 7/13/2018 Disc Reference: Q:\Projects\1065 Skanska\010 Wasatch\Mapfiles\Summary Letter\FIGURE_06_HVOCs_DEEP-SOIL.mxd

FIGURE 6
SELECT HVOC RESULTS FOR SOIL
120 FEET TO 70 FEET ELEVATION NAVD88
10650 NORTHEAST 8th STREET
BELLEVUE, WASHINGTON

FARALLON PN: 1065-010



LEGEND

- SITE BOUNDARY
- EXISTING BUILDING OUTLINE
- FORMER UST
- APPROXIMATE UST EXCAVATION EXTENT
- BORING (FARALLON, 2018)
- BORING (SES, 2011)
- ANGLED BORING (SES, 2011)

- BORING (GOLDER, 2003)
- ⊕ MONITORING WELL - SHALLOW (FARALLON, 2018)
- ⊕ MONITORING WELL - DEEP (FARALLON, 2018)
- ⊕ MONITORING WELL (SES, 2011)
- ◆ SOIL GAS SAMPLE (GOLDER, 2003)

1. ALL LOCATIONS ARE APPROXIMATE
 2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

NOTES:
 GROUNDWATER RESULTS SHOWN AS
 DATE SAMPLED | PCE | TCE | cis-1,2-DCE | VC IN µg/L
 INDIVIDUAL ANALYTES LABELED ACCORDINGLY IN µg/L

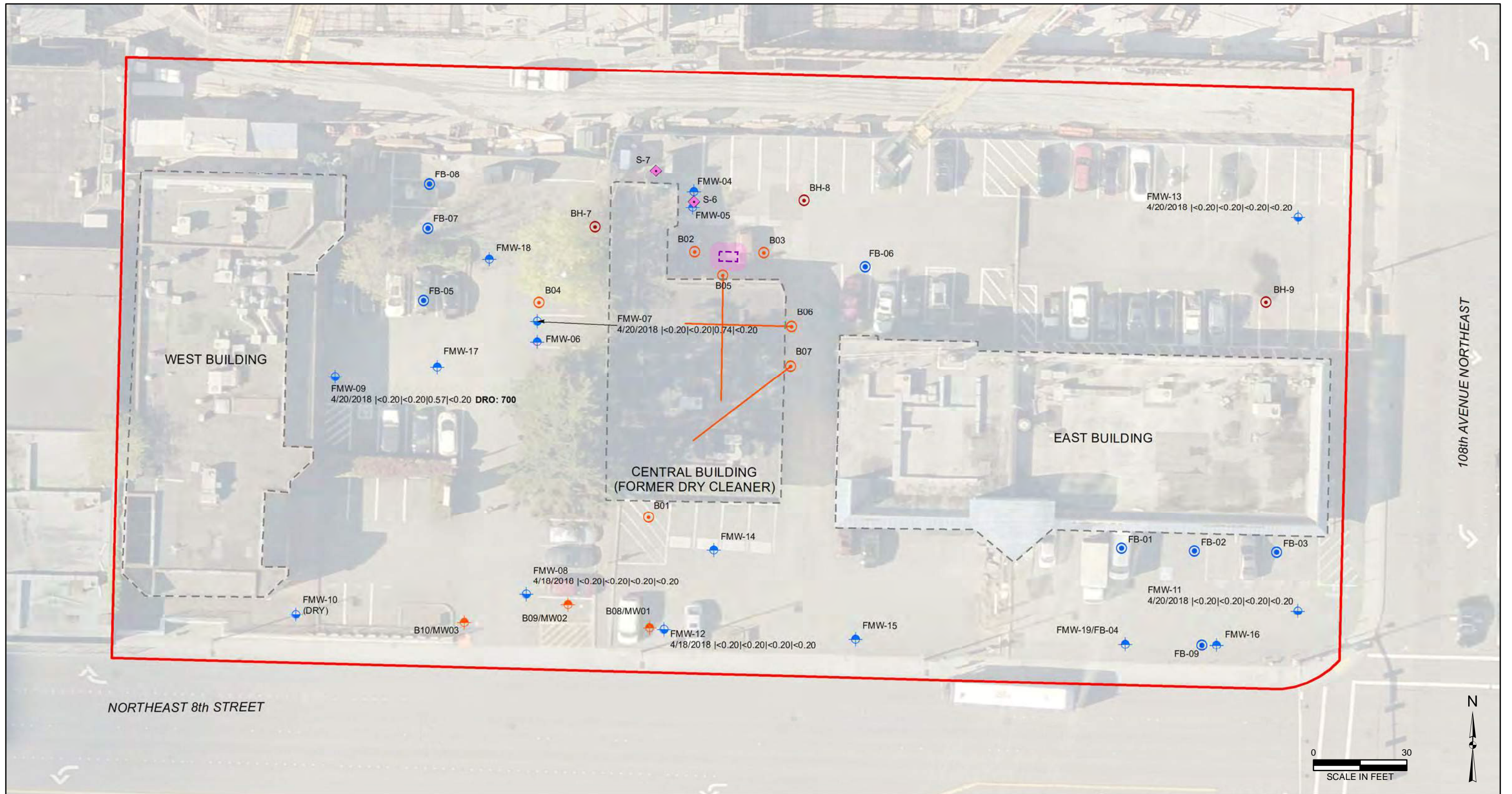
BOLD = CONCENTRATIONS EXCEEDING APPLICABLE CLEANUP LEVELS
 < = DENOTES ANALYTE NOT DETECTED AT OR EXCEEDING THE REPORTING LIMIT LISTED
 --- = DENOTES SAMPLE NOT ANALYZED
 PCE = TETRACHLOROETHENE
 TCE = TRICHLOROETHENE
 cis-1,2-DCE = cis-1,2-DICHLOROETHENE
 VC = VINYL CHLORIDE
 µg/L = MICROGRAMS PER LITER
 UST = UNDERGROUND STORAGE TANK

B = BENZENE
 DRO = DIESEL RANGE ORGANICS
 GRO = GASOLINE RANGE ORGANICS
 ORO = OIL RANGE ORGANICS

FARALLON CONSULTING
 Quality Service for Environmental Solutions | farallonconsulting.com

Washington: Issaquah | Bellingham | Seattle
 Oregon: Portland | Bend | Baker City
 California: Oakland | Folsom | Irvine

FIGURE 7
 SELECT ANALYTICAL RESULTS FOR SHALLOW GROUNDWATER
 10650 NORTHEAST 8th STREET
 BELLEVUE, WASHINGTON



LEGEND

— SITE BOUNDARY

- - - EXISTING BUILDING OUTLINE

- - - FORMER UST

— APPROXIMATE UST EXCAVATION EXTENT

● BORING (FARALLON, 2018)

○ BORING (SES, 2011)

○ ANGLED BORING (SES, 2011)

○ BORING (GOLDER, 2003)

● MONITORING WELL - SHALLOW (FARALLON, 2018)

● MONITORING WELL - DEEP (FARALLON, 2018)

○ MONITORING WELL (SES, 2011)

◆ SOIL GAS SAMPLE (GOLDER, 2003)

1. ALL LOCATIONS ARE APPROXIMATE
 2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

NOTES:
 GROUNDWATER RESULTS SHOWN AS
 DATE SAMPLED | PCE | TCE | cis-1,2-DCE | VC IN µg/l
 INDIVIDUAL ANALYTES AS LABELED IN µg/l

< = ANALYTE NOT DETECTED AT OR EXCEEDING
 THE REPORTING LIMIT LISTED
 DRO = DIESEL RANGE ORGANICS
 PCE = TETRACHLOROETHENE
 TCE = TRICHLOROETHENE
 cis-1,2-DCE = cis-1,2-DICHLOROETHENE
 VC = VINYL CHLORIDE
 µg/l = MICROGRAMS PER LITER
 UST = UNDERGROUND STORAGE TANK

Washington
 Issaquah | Bellingham | Seattle
 Oregon
 Portland | Bend | Baker City
 California
 Oakland | Folsom | Irvine

FARALLON
 CONSULTING

Quality Service for Environmental Solutions | farallonconsulting.com

FIGURE 8

SELECT ANALYTICAL RESULTS FOR
 DEEP GROUNDWATER
 10650 NORTHEAST 8th STREET
 BELLEVUE, WASHINGTON

FARALLON PN: 1065-010

Drawn By: ebuer

Checked By: EB

Date: 7/13/2018

Disc Reference:

Q:\Projects\1065 Skanska\010 Wasatch\Mapfiles\Summary Letter\FIGURE_08_GW_ANALYTICAL_DEEP.mxd

TABLES

SUMMARY OF SUBSURFACE INVESTIGATION 10650 Northeast 8th Street Bellevue, Washington

Farallon PN: 1065-010

Table 1
Groundwater Elevation and Well Construction Data
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Location	Installation Consultant	Top of Casing Elevation (feet NAVD88) ¹	Screened Interval (feet) ²	Monitoring Date	Depth to Water (feet) ³	Water Level Elevation (feet NAVD88)
Shallow Monitoring Wells						
B08/MW01	SES, 2011	172.00	25 - 40	4/30/2018	13.34	158.66
				6/5/2018	NM ⁴	NM ⁴
B09/MW02	SES, 2011	170.40	10 - 35	4/30/2018	11.89	158.51
				6/5/2018	12.92	157.48
B10/MW03	SES, 2011	168.80	19 - 39	4/30/2018	20.93	147.87
				6/5/2018	20.11	148.69
FMW-04	Farallon, 2018	174.61	30 - 40	4/30/2018	Dry	Dry
				6/5/2018	39.48	135.13
FMW-05	Farallon, 2018	175.00	9 - 19	4/18/2018 ⁵	13.60	161.40
				6/5/2018	15.71	159.29
FMW-06	Farallon, 2018	170.93	13 - 38	4/30/2018	26.61	144.32
				6/5/2018	27.90	143.03
FMW-14	Farallon, 2018	172.83	15 - 35	5/24/2018	9.70	163.13
				6/5/2018	9.43	163.40
FMW-15	Farallon, 2018	173.90	30 - 50	5/23/2018	Dry	Dry
				6/5/2018	49.41	124.49
FMW-16	Farallon, 2018	179.06	25 - 45	5/23/2018	Dry	Dry
				6/5/2018	Dry	Dry
FMW-17	Farallon, 2018	169.67	30 - 40	5/24/2018	34.21	135.46
				6/5/2018	34.42	135.25
FMW-18	Farallon, 2018	170.68	30 - 50	5/24/2018	39.55	131.13
				6/5/2018	40.25	130.43
FMW-19/FB-04	Farallon, 2018	178.08	25 - 45	6/5/2018	Dry	Dry

**Table 1
Groundwater Elevation and Well Construction Data
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010**

Location	Installation Consultant	Top of Casing Elevation (feet NAVD88)¹	Screened Interval (feet)²	Monitoring Date	Depth to Water (feet)³	Water Level Elevation (feet NAVD88)
Deep Monitoring Wells						
FMW-07	Farallon, 2018	170.65	80 - 90	4/30/2018	87.23	83.42
				6/5/2018	87.27	83.38
FMW-08	Farallon, 2018	169.90	76 - 86	4/30/2018	85.22	84.68
				6/5/2018	85.13	84.77
FMW-09	Farallon, 2018	168.77	75 - 90	4/30/2018	84.72	84.05
				6/5/2018	84.71	84.06
FMW-10	Farallon, 2018	169.58	70 - 85	4/30/2018	83.86	85.72
				6/5/2018	83.99	85.59
FMW-11	Farallon, 2018	179.50	83 - 93	4/30/2018	83.84	95.66
				6/5/2018	83.86	95.64
FMW-12	Farallon, 2018	171.83	80 - 90	4/30/2018	86.36	85.47
				6/5/2018	86.20	85.63
FMW-13	Farallon, 2018	181.28	77 - 87	4/30/2018	81.62	99.66
				6/5/2018	81.64	99.64

NOTES:

¹ NAVD88, survey performed by TRIAD ASSOCIATES dated May 1, 2018.
Monitoring well MW-01 and FMW-05 elevations based on TRIAD 2013 ALTA Survey.

² In feet below ground surface.

³ In feet below top of well casing.

⁴ Unable to access well due to a vehicle parked over the well monument

⁵ Unable to access well during the April 30, 2018 monitoring event due to an obstruction over the well monument; reported depth to water from gaging performed on April 18, 2018.

Farallon = Farallon Consulting, L.L.C.

NAVD88 = North American Vertical Datum of 1988

NM = not measured

SES = SoundEarth Strategies, Inc.

Table 2
Soil Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (Drilled Feet) ¹	Sample Depth (Vertical Feet) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
							PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B01	SES	B01-7.5	7.5	7.5	165.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B01-12.5	12.5	12.5	160.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B01-17.5	17.5	17.5	155.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B01-22.5	22.5	22.5	150.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B01-27.5	27.5	27.5	145.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B01-30	30.0	30.0	143.0	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B02	SES	B02-2.5	2.5	2.5	172.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B02-7.5	7.5	7.5	167.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B02-12.5	12.5	12.5	162.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B02-17.5	17.5	17.5	157.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B02-22.5	22.5	22.5	152.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B02-28.5	28.5	28.5	146.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B03	SES	B03-7.5	7.5	7.5	166.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B03-12.5	12.5	12.5	161.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B03-17.5	17.5	17.5	156.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B03-22.5	22.5	22.5	151.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	0.058
		B03-27.5	27.5	27.5	146.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B03-32.5	32.5	32.5	141.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B04	SES	B04-7.5	7.5	7.5	164.0	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B04-12.5	12.5	12.5	159.0	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B04-17.5	17.5	17.5	154.0	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B04-22.5	22.5	22.5	149.0	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B04-27.5	27.5	27.5	144.0	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B04-30	30.0	30.0	141.5	3/28/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B05	SES (Drilled at 45-degrees to Horizontal)	B05-12.5	12.5	10.1	163.9	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-13.5	13.5	10.9	163.1	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-16.5	16.5	13.3	160.7	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-19.5	19.5	15.7	158.3	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-22.5	22.5	18.1	155.9	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-27	27.0	21.8	152.2	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-31.5	31.5	25.4	148.6	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-36.5	36.5	29.4	144.6	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-39	39.0	31.4	142.6	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-40.5	40.5	32.6	141.4	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-43.5	43.5	35.1	138.9	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-45	45.0	36.3	137.7	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B05-48.5	48.5	39.1	134.9	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B05-53	53.0	42.7	131.3	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05		
B05-57.5	57.5	46.3	127.7	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05		
B06	SES (Drilled at 45-degrees to Horizontal)	B06-6	6.0	4.8	169.2	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B06-11	11.0	8.9	165.1	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B06-16	16.0	12.9	161.1	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B06-25.5	25.5	20.6	153.4	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B06-31	31.0	25.0	149.0	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B06-36	36.0	29.0	145.0	5/5/2011	0.045	<0.03	0.12	<0.05	<0.05
		B06-39	39.0	31.4	142.6	5/5/2011	<0.025	<0.03	0.081	<0.05	<0.05
		B06-40	40.0	32.2	141.8	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B06-42	42.0	33.9	140.1	5/5/2011	0.032	<0.03	0.16	<0.05	<0.05
		B06-45.5	45.5	36.7	137.3	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B06-48.5	48.5	39.1	134.9	5/5/2011	<0.025	<0.03	<0.05	<0.05	<0.05		
MTCA Cleanup Levels for Soil³							0.05	0.03	160⁴	1,600⁴	0.67⁴

Table 2
Soil Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (Drilled Feet) ¹	Sample Depth (Vertical Feet) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
							PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
B07	SES (Drilled at 45-degrees to Horizontal)	B07-06	6.0	4.8	169.2	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-16.5	16.5	13.3	160.7	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-21.5	21.5	17.3	156.7	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-23	23.0	18.5	155.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-24	24.0	19.3	154.7	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-29	29.0	23.4	150.6	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-32	32.0	25.8	148.2	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-36.5	36.5	29.4	144.6	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-39.5	39.5	31.8	142.2	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-45	45.0	36.3	137.7	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B07-50	50.0	40.3	133.7	5/6/2011	0.065	<0.03	<0.05	<0.05	<0.05
B07-51.5	51.5	41.5	132.5	5/6/2011	<0.025	<0.03	0.066	<0.05	<0.05		
B07-54.5	54.5	43.9	130.1	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05		
B08/MW01	SES	B08-20.5	20.5	20.5	151.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B08-25.5	25.5	25.5	146.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B08-30.5	30.5	30.5	141.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B08-35.5	35.5	35.5	136.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B08-40.5	40.5	40.5	131.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B08-45.5	45.5	45.5	126.5	5/6/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B08-50.5	50.5	50.5	121.5	5/6/2011	<0.025 J	<0.03 J	<0.05 J	<0.05 J	<0.05 J
B08-55.5	55.5	55.5	116.5	5/6/2011	<0.025 J	<0.03 J	<0.05 J	<0.05 J	<0.05 J		
B09/MW02	SES	B09-06.5	6.5	6.5	163.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-11.5	11.5	11.5	158.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-15.5	15.5	15.5	154.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-21	21.0	21.0	149.4	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-25.5	25.5	25.5	144.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-30.5	30.5	30.5	139.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-35.5	35.5	35.5	134.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B09-40.5	40.5	40.5	129.9	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
B09-44.5	44.5	44.5	125.9	5/9/2011	<0.025 J	<0.03 J	<0.05 J	<0.05 J	<0.05 J		
B10/MW03	SES	B10-19.5	19.5	19.5	149.3	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B10-24.5	24.5	24.5	144.3	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B10-29.5	29.5	29.5	139.3	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B10-39.5	39.5	39.5	129.3	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
		B10-44.5	44.5	44.5	124.3	5/9/2011	<0.025	<0.03	<0.05	<0.05	<0.05
FMW-04	Farallon	FMW-04-5.0-040918	5.0	5.0	169.6	4/9/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-04-10.0-040918	10.0	10.0	164.6	4/9/2018	< 0.00071	< 0.00071	0.0016	< 0.00071	0.00099
		FMW-04-15.0-040918	15.0	15.0	159.6	4/9/2018	0.0011	< 0.00091	0.0012	< 0.00091	< 0.00091
		FMW-04-20.0-040918	20.0	20.0	154.6	4/9/2018	< 0.00073	< 0.00073	< 0.00073	< 0.00073	< 0.00073
		FMW-04-25.0-040918	25.0	25.0	149.6	4/9/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-04-35.0-040918	35.0	35.0	139.6	4/9/2018	< 0.00067	< 0.00067	0.0058	< 0.00067	< 0.00067
		FMW-04-50.0-040918	50.0	50.0	124.6	4/9/2018	< 0.00081	< 0.00081	< 0.00081	< 0.00081	< 0.00081
		FMW-04-60.0-040918	60.0	60.0	114.6	4/9/2018	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
		FMW-04-70.0-041018	70.0	70.0	104.6	4/10/2018	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093
		FMW-04-80.0-041018	80.0	80.0	94.6	4/10/2018	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083
		FMW-04-85.0-041018	85.0	85.0	89.6	4/10/2018	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084
FMW-04-90.0-041018	90.0	90.0	84.6	4/10/2018	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090		
FMW-04-100.0-041018	100.0	100.0	74.6	4/10/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088		
FMW-05	Farallon	FMW-05-5.0-040918	5.0	5.0	170.0	4/9/2018	< 0.00081	< 0.00081	< 0.00081	< 0.00081	< 0.00081
FMW-06	Farallon	FMW-06-25.0-041318	25.0	25.0	145.9	4/13/2018	< 0.00073	< 0.00073	< 0.00073	< 0.00073	< 0.00073
		FMW-06-35.0-041318	35.0	35.0	135.9	4/13/2018	< 0.00071	< 0.00071	0.0086	< 0.00071	0.0023
MTCA Cleanup Levels for Soil³							0.05	0.03	160⁴	1,600⁴	0.67⁴

Table 2
Soil Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (Drilled Feet) ¹	Sample Depth (Vertical Feet) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
							PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FMW-07	Farallon	FMW-07-10.0	10.0	10.0	160.7	4/12/2018	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079
		FMW-07-15.0	15.0	15.0	155.7	4/12/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-07-20.0	20.0	20.0	150.7	4/12/2018	< 0.00076	0.00091	< 0.00076	< 0.00076	< 0.00076
		FMW-07-30.0	30.0	30.0	140.7	4/12/2018	< 0.00071	0.001	< 0.00071	< 0.00071	< 0.00071
		FMW-07-33.0	33.0	33.0	137.7	4/12/2018	< 0.00069	< 0.00069	0.0015	< 0.00069	0.00093
		FMW-07-38.0	38.0	38.0	132.7	4/12/2018	< 0.00070	< 0.00070	0.018	< 0.00070	0.0021
		FMW-07-45.0	45.0	45.0	125.7	4/12/2018	< 0.00074	< 0.00074	0.0031	< 0.00074	0.00078
		FMW-07-50.0	50.0	50.0	120.7	4/12/2018	< 0.00090	< 0.00090	0.0066	< 0.00090	< 0.00090
		FMW-07-60.0	60.0	60.0	110.7	4/12/2018	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
		FMW-07-70.0	70.0	70.0	100.7	4/12/2018	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FMW-07-80.0-041318	80.0	80.0	90.7	4/13/2018	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FMW-07-90.0-041318	90.0	90.0	80.7	4/13/2018	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079
FMW-07-95.0-041318	95.0	95.0	75.7	4/13/2018	< 0.00098	< 0.00098	< 0.00098	< 0.00098	< 0.00098		
FMW-08	Farallon	FMW-08-5.0-041018	5.0	5.0	164.9	4/10/2018	< 0.00085	< 0.00085	< 0.00085	< 0.00085	< 0.00085
		FMW-08-15.0-041618	15.0	15.0	154.9	4/16/2018	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FMW-08-20.0-041618	20.0	20.0	149.9	4/16/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-08-30.0-041618	30.0	30.0	139.9	4/16/2018	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FMW-08-33.0-041618	33.0	33.0	136.9	4/16/2018	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FMW-08-40.0-041618	40.0	40.0	129.9	4/16/2018	< 0.00072	< 0.00072	< 0.00072	< 0.00072	< 0.00072
		FMW-08-50.0-041618	50.0	50.0	119.9	4/16/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FMW-08-60.0-041618	60.0	60.0	109.9	4/16/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-08-70.0-041618	70.0	70.0	99.9	4/16/2018	< 0.00080	< 0.00080	< 0.00080	< 0.00080	< 0.00080
FMW-08-77.0-041618	77.0	77.0	92.9	4/16/2018	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090		
FMW-08-90.0-041618	90.0	90.0	79.9	4/16/2018	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093		
FMW-09	Farallon	FMW-09-5.0-041018	5.0	5.0	163.8	4/10/2018	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084
		FMW-09-10.0-041718	10.0	10.0	158.8	4/17/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-09-15.0-041718	15.0	15.0	153.8	4/17/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-09-20.0-041718	20.0	20.0	148.8	4/17/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-09-25.0-041718	25.0	25.0	143.8	4/17/2018	< 0.00080	< 0.00080	< 0.00080	< 0.00080	< 0.00080
		FMW-09-30.0-041718	30.0	30.0	138.8	4/17/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-09-40.0-041718	40.0	40.0	128.8	4/17/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-09-50.0-041718	50.0	50.0	118.8	4/17/2018	< 0.00072	< 0.00072	0.0097	< 0.00072	0.0029
		FMW-09-60.0-041718	60.0	60.0	108.8	4/17/2018	< 0.00071	< 0.00071	< 0.00071	< 0.00071	0.0052
		FMW-09-70.0-041718	70.0	70.0	98.8	4/17/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-09-75.0-041818	75.0	75.0	93.8	4/18/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-09-80.0-041818	80.0	80.0	88.8	4/18/2018	< 0.00081	< 0.00081	< 0.00081	< 0.00081	< 0.00081
FMW-09-85.0-041818	85.0	85.0	83.8	4/18/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088		
FMW-09-95.0-041818	95.0	95.0	73.8	4/18/2018	< 0.00097	< 0.00097	< 0.00097	< 0.00097	< 0.00097		
FMW-10	Farallon	FMW-10-5.0-041018	5.0	5.0	164.6	4/10/2018	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
		FMW-10-10.0-041718	10.0	10.0	159.6	4/17/2018	< 0.00071	< 0.00071	< 0.00071	< 0.00071	< 0.00071
		FMW-10-20.0-041718	20.0	20.0	149.6	4/17/2018	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FMW-10-28.0-041718	28.0	28.0	141.6	4/17/2018	< 0.00073	< 0.00073	< 0.00073	< 0.00073	< 0.00073
		FMW-10-40.0-041718	40.0	40.0	129.6	4/17/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-10-45.0-041718	45.0	45.0	124.6	4/17/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-10-55.0-041718	55.0	55.0	114.6	4/17/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FMW-10-65.0-041718	65.0	65.0	104.6	4/17/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-10-75.0-041718	75.0	75.0	94.6	4/17/2018	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
FMW-10-80.0-041718	80.0	80.0	89.6	4/17/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088		
FMW-10-85.0-041718	85.0	85.0	84.6	4/17/2018	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090		
MTCA Cleanup Levels for Soil³							0.05	0.03	160⁴	1,600⁴	0.67⁴

Table 2
Soil Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (Drilled Feet) ¹	Sample Depth (Vertical Feet) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
							PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FMW-11	Farallon	FMW-11-5.0-041018	5.0	5.0	174.5	4/10/2018	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084
		FMW-11-15.0-041818	15.0	15.0	164.5	4/18/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-11-25.0-041818	25.0	25.0	154.5	4/18/2018	< 0.00081	< 0.00081	0.016	< 0.00081	< 0.00081
		FMW-11-30.0-041818	30.0	30.0	149.5	4/18/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FMW-11-35.0-041818	35.0	35.0	144.5	4/18/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FMW-11-45.0-041818	45.0	45.0	134.5	4/18/2018	< 0.0010	< 0.0010	< 0.0010	< 0.0010	< 0.0010
		FMW-11-55.0-041818	55.0	55.0	124.5	4/18/2018	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FMW-11-60.0-041818	60.0	60.0	119.5	4/18/2018	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083
		FMW-11-70.0	70.0	70.0	109.5	4/19/2018	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FMW-11-80.0	80.0	80.0	99.5	4/19/2018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
		FMW-11-90.0	90.0	90.0	89.5	4/19/2018	< 0.00085	< 0.00085	< 0.00085	< 0.00085	< 0.00085
		FMW-11-95.0	95.0	95.0	84.5	4/19/2018	< 0.00087	< 0.00087	< 0.00087	< 0.00087	< 0.00087
FMW-11-100.0	100.0	100.0	79.5	4/19/2018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089		
FMW-12	Farallon	FMW-12-5.0-041118	5.0	5.0	166.8	4/11/2018	< 0.00093	< 0.00093	< 0.00093	< 0.00093	< 0.00093
		FMW-12-13.0-041118	13.0	13.0	158.8	4/11/2018	0.0013	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FMW-12-20.0-041118	20.0	20.0	151.8	4/11/2018	< 0.00074	< 0.00074	< 0.00074	< 0.00074	< 0.00074
		FMW-12-25.0-041118	25.0	25.0	146.8	4/11/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-12-35.0-041118	35.0	35.0	136.8	4/11/2018	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FMW-12-45.0-041118	45.0	45.0	126.8	4/11/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FMW-12-55.0-041118	55.0	55.0	116.8	4/11/2018	< 0.00066	< 0.00066	< 0.00066	< 0.00066	< 0.00066
		FMW-12-60.0-041118	60.0	60.0	111.8	4/11/2018	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FMW-12-75.0-041118	75.0	75.0	96.8	4/11/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-12-85.0-041118	85.0	85.0	86.8	4/11/2018	< 0.00087	< 0.00087	< 0.00087	< 0.00087	< 0.00087
FMW-12-90.0-041118	90.0	90.0	81.8	4/11/2018	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084		
FMW-13	Farallon	FMW-13-5.0-041118	5.0	5.0	176.3	4/11/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FMW-13-10.0	10.0	10.0	171.3	4/19/2018	< 0.00073	< 0.00073	< 0.00073	< 0.00073	< 0.00073
		FMW-13-20.0	20.0	20.0	161.3	4/19/2018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
		FMW-13-30.0	30.0	30.0	151.3	4/19/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FMW-13-40.0	40.0	40.0	141.3	4/19/2018	< 0.00087	< 0.00087	< 0.00087	< 0.00087	< 0.00087
		FMW-13-50.0	50.0	50.0	131.3	4/19/2018	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079
		FMW-13-60.0	60.0	60.0	121.3	4/19/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-13-70.0-042018	70.0	70.0	111.3	4/20/2018	0.0038	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FMW-13-80.0-042018	80.0	80.0	101.3	4/20/2018	0.0019	< 0.00072	< 0.00072	< 0.00072	< 0.00072
FMW-13-90.0-042018	90.0	90.0	91.3	4/20/2018	0.0039	< 0.00086	< 0.00086	< 0.00086	< 0.00086		
FMW-14	Farallon	FMW-14-2.5-052118	2.5	2.5	170.3	5/21/2018	0.013	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FMW-14-5.0-052118	5.0	5.0	167.8	5/21/2018	0.012	< 0.00079	< 0.00079	< 0.00079	< 0.00079
		FMW-14-7.5-052118	7.5	7.5	165.3	5/21/2018	0.00097	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FMW-14-10.0-052118	10.0	10.0	162.8	5/21/2018	0.0014	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FMW-14-15.0-052118	15.0	15.0	157.8	5/21/2018	0.0019	< 0.00069	< 0.00069	< 0.00069	< 0.00069
		FMW-14-20.0-052118	20.0	20.0	152.8	5/21/2018	0.0020	< 0.00093	< 0.00093	< 0.00093	< 0.00093
		FMW-14-25.0-052118	25.0	25.0	147.8	5/21/2018	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
		FMW-14-30.0-052118	30.0	30.0	142.8	5/21/2018	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090
		FMW-14-35.0-052118	35.0	35.0	137.8	5/21/2018	< 0.00088	< 0.00088	< 0.00088	< 0.00088	< 0.00088
FMW-14-40.0-052118	40.0	40.0	132.8	5/21/2018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089		
FMW-15	Farallon	FMW-15-7.5-052118	7.5	7.5	166.4	5/21/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-15-15.0-052118	15.0	15.0	158.9	5/21/2018	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FMW-15-25.0-052118	25.0	25.0	148.9	5/21/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-15-35.0-052118	35.0	35.0	138.9	5/21/2018	< 0.00078	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FMW-15-40.0-052118	40.0	40.0	133.9	5/21/2018	< 0.00068	< 0.00068	< 0.00068	< 0.00068	< 0.00068
		FMW-15-45.0-052118	45.0	45.0	128.9	5/21/2018	< 0.00070	< 0.00070	< 0.00070	< 0.00070	< 0.00070
		FMW-15-50.0-052118	50.0	50.0	123.9	5/21/2018	< 0.00092	< 0.00092	< 0.00092	< 0.00092	< 0.00092
FMW-16	Farallon	FMW-16-2.5-052118	2.5	2.5	176.6	5/21/2018	0.0015	< 0.00087	< 0.00087	< 0.00087	< 0.00087
		FMW-16-5.0-052218	5.0	5.0	174.1	5/22/2018	< 0.00095	< 0.00095	< 0.00095	< 0.00095	< 0.00095
		FMW-16-7.5-052218	7.5	7.5	171.6	5/22/2018	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083
		FMW-16-10.0-052218	10.0	10.0	169.1	5/22/2018	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FMW-16-15.0-052218	15.0	15.0	164.1	5/22/2018	< 0.00072	< 0.00072	< 0.00072	< 0.00072	< 0.00072
		FMW-16-20.0-052218	20.0	20.0	159.1	5/22/2018	< 0.00085	< 0.00085	< 0.00085	< 0.00085	< 0.00085
		FMW-16-25.0-052218	25.0	25.0	154.1	5/22/2018	< 0.00089	< 0.00089	< 0.00089	< 0.00089	< 0.00089
		FMW-16-35.0-052218	35.0	35.0	144.1	5/22/2018	< 0.00085	< 0.00085	< 0.00085	< 0.00085	< 0.00085
		FMW-16-40.0-052218	40.0	40.0	139.1	5/22/2018	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084
		FMW-16-45.0-052218	45.0	45.0	134.1	5/22/2018	< 0.00068	< 0.00068	< 0.00068	< 0.00068	< 0.00068
FMW-16-55.0-052218	55.0	55.0	124.1	5/22/2018	< 0.00094	< 0.00094	< 0.00094	< 0.00094	< 0.00094		
MTCA Cleanup Levels for Soil³							0.05	0.03	160⁴	1,600⁴	0.67⁴

Table 2
Soil Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (Drilled Feet) ¹	Sample Depth (Vertical Feet) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
							PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FMW-17	Farallon	FMW-17-5.0-052218	5.0	5.0	164.7	5/22/2018	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FMW-17-10.0-052218	10.0	10.0	159.7	5/22/2018	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083
		FMW-17-15.0-052218	15.0	15.0	154.7	5/22/2018	< 0.00081	< 0.00081	< 0.00081	< 0.00081	< 0.00081
		FMW-17-25.0-052218	25.0	25.0	144.7	5/22/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FMW-17-35.0-052218	35.0	35.0	134.7	5/22/2018	< 0.00091	< 0.00091	0.0014	< 0.00091	< 0.00091
		FMW-17-40.0-052218	40.0	40.0	129.7	5/22/2018	< 0.00081	< 0.00081	0.0029	< 0.00081	< 0.00081
		FMW-17-45.0-052218	45.0	45.0	124.7	5/22/2018	< 0.00082	< 0.00082	0.0019	< 0.00082	< 0.00082
FMW-18	Farallon	FMW-18-5.0-052318	5.0	5.0	165.7	5/23/2018	< 0.0015	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FMW-18-15.0-052318	15.0	15.0	155.7	5/23/2018	< 0.0017	< 0.00085	< 0.00085	< 0.00085	< 0.00085
		FMW-18-25.0-052318	25.0	25.0	145.7	5/23/2018	< 0.0017	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FMW-18-35.0-052318	35.0	35.0	135.7	5/23/2018	< 0.0017	< 0.00086	0.035	0.0027	0.0020
		FMW-18-40.0-052318	40.0	40.0	130.7	5/23/2018	< 0.0016	< 0.00082	0.067	< 0.00082	0.043
		FMW-18-45.0-052318	45.0	45.0	125.7	5/23/2018	< 0.0016	< 0.00081	0.0013	< 0.00081	0.0053
		FMW-18-50.0-052318	50.0	50.0	120.7	5/23/2018	< 0.0017	< 0.00085	< 0.00085	< 0.00085	< 0.00085
FB-01	Farallon	FB-01-2.5-052118	2.5	2.5	177.2	5/21/2018	< 0.00086	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FB-01-7.5-052318	7.5	7.5	172.2	5/23/2018	< 0.0018	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FB-01-10.0-052318	10.0	10.0	169.7	5/23/2018	< 0.0017	< 0.00087	< 0.00087	< 0.00087	< 0.00087
		FB-01-15.0-052318	15.0	15.0	164.7	5/23/2018	< 0.0018	< 0.00088	< 0.00088	< 0.00088	< 0.00088
		FB-01-20.0-052318	20.0	20.0	159.7	5/23/2018	< 0.0021 J	< 0.0010 J	< 0.0010 J	< 0.0010 J	< 0.0010 J
		FB-01-25.0-052318	25.0	25.0	154.7	5/23/2018	< 0.0016 J	< 0.00081 J	< 0.00081 J	< 0.00081 J	< 0.00081 J
		FB-01-35.0-052318	35.0	35.0	144.7	5/23/2018	< 0.0017 J	< 0.00083 J	< 0.00083 J	< 0.00083 J	< 0.00083 J
FB-02	Farallon	FB-02-5.0-052318	5.0	5.0	174.7	5/23/2018	< 0.0017 J	< 0.00086 J	< 0.00086 J	< 0.00086 J	< 0.00086 J
		FB-02-7.5-052318	7.5	7.5	172.2	5/23/2018	< 0.0015 J	< 0.00075 J	< 0.00075 J	< 0.00075 J	< 0.00075 J
		FB-02-15.0-052318	15.0	15.0	164.7	5/23/2018	< 0.0024 J	< 0.0012 J	< 0.0012 J	< 0.0012 J	< 0.0012 J
		FB-02-25.0-052418	25.0	25.0	154.7	5/24/2018	< 0.0012	< 0.0012	< 0.0012	< 0.0012	< 0.0012
		FB-02-30.0-052418	30.0	30.0	149.7	5/24/2018	< 0.00090	< 0.00090	< 0.00090	< 0.00090	< 0.00090
		FB-02-40.0-052418	40.0	40.0	139.7	5/24/2018	< 0.0011	< 0.0011	< 0.0011	< 0.0011	< 0.0011
FB-03	Farallon	FB-03-2.5-052118	2.5	2.5	177.2	5/21/2018	< 0.00082	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FB-03-10.0-052418	10.0	10.0	169.7	5/24/2018	< 0.00084	< 0.00084	< 0.00084	< 0.00084	< 0.00084
		FB-03-15.0-052418	15.0	15.0	164.7	5/24/2018	< 0.00081	< 0.00081	< 0.00081	< 0.00081	< 0.00081
		FB-03-25.0-052418	25.0	25.0	154.7	5/24/2018	< 0.00087	< 0.00087	0.00095	< 0.00087	< 0.00087
		FB-03-35.0-052418	35.0	35.0	144.7	5/24/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FB-03-40.0-052418	40.0	40.0	139.7	5/24/2018	< 0.00083	< 0.00083	< 0.00083	< 0.00083	< 0.00083
FMW-19/ FB-04	Farallon	FB-04-2.5-052118	2.5	2.5	175.6	5/21/2018	0.0091	< 0.00091	< 0.00091	< 0.00091	< 0.00091
		FB-04-7.5-052318	7.5	7.5	170.6	5/23/2018	< 0.0016	< 0.00080	< 0.00080	< 0.00080	< 0.00080
		FB-04-15.0-052318	15.0	15.0	163.1	5/23/2018	< 0.0017	< 0.00086	< 0.00086	< 0.00086	< 0.00086
		FB-04-25.0-052318	25.0	25.0	153.1	5/23/2018	< 0.0016	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FB-04-30.0-052318	30.0	30.0	148.1	5/23/2018	< 0.0017	< 0.00085	< 0.00085	< 0.00085	< 0.00085
		FB-04-35.0-052318	35.0	35.0	143.1	5/23/2018	< 0.0022	< 0.0011	< 0.0011	< 0.0011	< 0.0011
		FB-04-40.0-052318	40.0	40.0	138.1	5/23/2018	< 0.0018	< 0.00090	< 0.00090	< 0.00090	< 0.00090
FB-05	Farallon	FB-05-5.0-052318	5.0	5.0	165.2	5/23/2018	< 0.0016	< 0.00078	< 0.00078	< 0.00078	< 0.00078
		FB-05-10.0-052318	10.0	10.0	160.2	5/23/2018	< 0.0016	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FB-05-20.0-052318	20.0	20.0	150.2	5/23/2018	< 0.0017	< 0.00084	< 0.00084	< 0.00084	< 0.00084
		FB-05-30.0-052318	30.0	30.0	140.2	5/23/2018	< 0.0015	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FB-05-35.0-052318	35.0	35.0	135.2	5/23/2018	< 0.0015	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FB-05-40.0-052318	40.0	40.0	130.2	5/23/2018	< 0.0015	< 0.00076	0.0020	< 0.00076	< 0.00076
FB-06	Farallon	FB-06-2.5-052218	2.5	2.5	173.1	5/22/2018	< 0.00072	< 0.00072	< 0.00072	< 0.00072	< 0.00072
		FB-06-7.5-052518	7.5	7.5	168.1	5/25/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FB-06-10.0-052518	10.0	10.0	165.6	5/25/2018	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FB-06-20.0-052518	20.0	20.0	155.6	5/25/2018	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079
		FB-06-22.5-052518	22.5	22.5	153.1	5/25/2018	0.022	0.013	0.0036	< 0.00080	< 0.00080
FB-07	Farallon	FB-07-2.5-052218	2.5	2.5	168.5	5/22/2018	< 0.00076	< 0.00076	< 0.00076	< 0.00076	< 0.00076
		FB-07-15.0-052318	15.0	15.0	156.0	5/23/2018	< 0.0016	< 0.00080	< 0.00080	< 0.00080	< 0.00080
		FB-07-25.0-052318	25.0	25.0	146.0	5/23/2018	< 0.0016	< 0.00079	< 0.00079	< 0.00079	< 0.00079
		FB-07-35.0-052318	35.0	35.0	136.0	5/23/2018	< 0.0016	< 0.00082	< 0.00082	< 0.00082	< 0.00082
		FB-07-40.0-052318	40.0	40.0	131.0	5/23/2018	< 0.0016	< 0.00081	< 0.00081	< 0.00081	< 0.00081
MTCA Cleanup Levels for Soil³							0.05	0.03	160⁴	1,600⁴	0.67⁴

Table 2
Soil Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (Drilled Feet) ¹	Sample Depth (Vertical Feet) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²				
							PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
FB-08	Farallon	FB-08-2.5-052218	2.5	2.5	168.4	5/22/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FB-08-10.0-052218	10.0	10.0	160.9	5/22/2018	< 0.00075	< 0.00075	< 0.00075	< 0.00075	< 0.00075
		FB-08-20.0-052218	20.0	20.0	150.9	5/22/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
		FB-08-25.0-052218	25.0	25.0	145.9	5/22/2018	< 0.00072	< 0.00072	< 0.00072	< 0.00072	< 0.00072
		FB-08-30.0-052218	30.0	30.0	140.9	5/22/2018	< 0.00081	< 0.00081	< 0.00081	< 0.00081	< 0.00081
		FB-08-35.0-052218	35.0	35.0	135.9	5/22/2018	< 0.00077	< 0.00077	< 0.00077	< 0.00077	< 0.00077
FB-09	Farallon	FB-09-10.0-052218	10.0	10.0	169.1	5/22/2018	< 0.00079	< 0.00079	< 0.00079	< 0.00079	< 0.00079
MTCA Cleanup Levels for Soil³							0.05	0.03	160⁴	1,600⁴	0.67⁴

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

Highlighting denotes analyte detected at or exceeding laboratory practical quantitation limit(s).

< denotes analyte not detected at or exceeding the reporting limit listed.

¹Sample depth in feet below ground surface. Sample elevation in feet North American Vertical Datum of 1988 (NAVD88).

²Analyzed by U.S. Environmental Protection Agency Method 8260C.

³Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

⁴Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>

Farallon = Farallon Consulting, L.L.C.

J = result is an estimate

PCE = tetrachloroethene

SES = SoundEarth Strategies, Inc.

TCE = trichloroethene

VOC = volatile organic compound

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
BH-6	Golder	BH-6 S-4	17.5	17.5	NA	1/15/2003	ND ⁵	ND ⁵	ND ⁵	---	---	---	---
BH-7	Golder	BH-7 S-2	7.5	7.5	NA	1/15/2003	ND ⁵	ND ⁵	ND ⁵	---	---	---	---
BH-8	Golder	BH-8 S-2	7.5	7.5	168.5	1/15/2003	3,400 ⁵	ND ⁵	ND ⁵	---	---	0.011	---
		BH-8 S-3	12.5	12.5	163.5	1/15/2003	1,000 ⁵	150 ⁵	ND ⁵	---	---	0.0098	---
		BH-8 S-5	20.0	20.0	156.0	1/15/2003	800	ND	---	---	---	0.017	---
		BH-8 S-6	25.0	25.0	151.0	1/15/2003	44	ND	---	---	---	---	---
		BH-8 S-7	27.5	27.5	148.5	1/15/2003	ND ⁵	ND ⁵	ND ⁵	---	---	---	---
BH-9	Golder	BH-9 S-3	12.5	12.5	168.5	1/15/2003	ND ⁵	ND ⁵	ND ⁵	---	---	---	---
B02	SES	B02-7.5	7.5	7.5	167.5	3/28/2011	1,900	<250	--	<0.03	<0.05	0.46	<5.4
		B02-12.5	12.5	12.5	162.5	3/28/2011	--	--	99	--	--	--	--
		B02-22.5	22.5	22.5	152.5	3/28/2011	<50	<250	25	<0.03	<0.05	<0.05	<0.15
B03	SES	B03-7.5	7.5	7.5	166.5	3/28/2011	--	--	--	<0.03	<0.05	0.28	<0.15
		B03-12.5	12.5	12.5	161.5	3/28/2011	840	<250	140	<0.03	<0.05	<0.05	<0.15
		B03-22.5	22.5	22.5	151.5	3/28/2011	5,300	<250	200	<0.03	<0.05	0.59	<0.15
B05	SES (Drilled at 45- degrees to horizontal)	B05-13.5	13.5	10.9	163.1	5/5/2011	1,900	<250	41	<0.02	<0.02	0.086	0.13
		B05-16.5	16.5	13.3	160.7	5/5/2011	370	<250	14	<0.02	<0.02	<0.02	<0.06
		B05-27	27.0	21.8	152.2	5/5/2011	340	<250	<2	<0.02	<0.02	<0.02	<0.06
		B05-39	39.0	31.4	142.6	5/5/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B05-45	45.0	36.3	137.7	5/5/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
B06	SES (Drilled at 45- degrees to horizontal)	B06-16	16.0	12.9	161.1	5/5/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B06-25.5	25.5	20.6	153.4	5/5/2011	1,400	<250	4.3	<0.02	<0.02	<0.02	<0.06
		B06-31	31.0	25.0	149.0	5/5/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B06-36	36.0	29.0	145.0	5/5/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B06-40	40.0	32.2	141.8	5/5/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B06-43.5	43.5	35.1	138.9	5/5/2011	<50	<250	<2	0.028	<0.02	<0.02	<0.06
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
B07	SES (Drilled at 45- degrees to horizontal)	B07-06	6.0	4.8	169.2	5/6/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B07-24	24.0	19.3	154.7	5/6/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B07-45	45.0	36.3	137.7	5/6/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B07-50	50.0	40.3	133.7	5/6/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
B08/MW01	SES	B08-30.5	30.5		141.5	5/6/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
B09/MW02	SES	B09-06.5	6.5	6.5	163.9	5/9/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B09-15.5	15.5	15.5	154.9	5/9/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B09-30.5	30.5	30.5	139.9	5/9/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
B10/MW03	SES	B10-19.5	19.5	19.5	149.3	5/9/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B10-24.5	24.5	24.5	144.3	5/9/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
		B10-39.5	39.5	39.5	129.3	5/9/2011	<50	<250	<2	<0.02	<0.02	<0.02	<0.06
FMW-04	Farallon	FMW-04-5.0-040918	5.0	5.0	169.6	4/9/2018	2,300	< 58	< 20	< 0.00075	< 0.0037	0.0093	0.01687
		FMW-04-10.0-040918	10.0	10.0	164.6	4/9/2018	2,300	< 54	< 22	0.0013	< 0.0035	0.11	0.0165
		FMW-04-15.0-040918	15.0	15.0	159.6	4/9/2018	8,200	< 570	< 25	0.0015	< 0.0045	0.65	0.0553
		FMW-04-20.0-040918	20.0	20.0	154.6	4/9/2018	< 27	< 54	< 4.1	< 0.00073	< 0.0037	< 0.00073	< 0.00223
		FMW-04-25.0-040918	25.0	25.0	149.6	4/9/2018	< 27	< 54	< 4.1	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-04-35.0-040918	35.0	35.0	139.6	4/9/2018	< 28	< 55	< 4.0	< 0.00067	< 0.0033	< 0.00067	< 0.00197
		FMW-04-50.0-040918	50.0	50.0	124.6	4/9/2018	< 27	< 53	< 4.2	< 0.00081	< 0.0041	< 0.00081	< 0.00241
		FMW-04-60.0-040918	60.0	60.0	114.6	4/9/2018	---	---	---	< 0.00092	< 0.0046	< 0.00092	< 0.00272
		FMW-04-70.0-041018	70.0	70.0	104.6	4/10/2018	---	---	---	< 0.00093	< 0.0046	< 0.00093	< 0.00283
		FMW-04-80.0-041018	80.0	80.0	94.6	4/10/2018	< 26	< 53	< 4.7	< 0.00083	< 0.0042	< 0.00083	< 0.00253
		FMW-04-85.0-041018	85.0	85.0	89.6	4/10/2018	240	< 59	< 5.3	< 0.00084	< 0.0042	< 0.00084	< 0.00254
FMW-04-90.0-041018	90.0	90.0	84.6	4/10/2018	< 31	< 63	< 5.7	< 0.00090	< 0.0045	< 0.00090	< 0.0027		
FMW-04-100.0-041018	100.0	100.0	74.6	4/10/2018	< 31	< 61	< 5.5	< 0.00088	< 0.0044	< 0.00088	< 0.00268		
FMW-05	Farallon	FMW-05-5.0-040918	5.0	5.0	170.0	4/9/2018	1,300	< 56	< 23	< 0.00081	< 0.0041	0.018	0.024
FMW-06	Farallon	FMW-06-25.0-041318	25.0	25.0	145.9	4/13/2018	< 28	< 55	< 4.4	< 0.00073	< 0.0037	< 0.00073	0.0016
		FMW-06-35.0-041318	35.0	35.0	135.9	4/13/2018	< 27	< 55	< 4.0	< 0.00071	< 0.0035	< 0.00071	< 0.00211
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FMW-07	Farallon	FMW-07-10.0	10.0	10.0	160.7	4/12/2018	< 28	< 56	< 4.5	< 0.00079	< 0.0039	< 0.00079	< 0.00239
		FMW-07-15.0	15.0	15.0	155.7	4/12/2018	< 27	< 54	< 4.0	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-07-20.0	20.0	20.0	150.7	4/12/2018	< 27	< 53	< 4.2	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-07-30.0	30.0	30.0	140.7	4/12/2018	< 27	< 54	< 3.9	< 0.00071	< 0.0035	< 0.00071	< 0.00211
		FMW-07-33.0	33.0	33.0	137.7	4/12/2018	< 27	< 54	< 3.9	< 0.00069	< 0.0035	< 0.00069	< 0.00209
		FMW-07-38.0	38.0	38.0	132.7	4/12/2018	< 27	< 55	< 4.4	< 0.00070	< 0.0035	< 0.00070	< 0.0021
		FMW-07-45.0	45.0	45.0	125.7	4/12/2018	---	---	---	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-07-50.0	50.0	50.0	120.7	4/12/2018	---	---	---	< 0.00090	< 0.0045	< 0.00090	< 0.0027
		FMW-07-60.0	60.0	60.0	110.7	4/12/2018	< 26	< 52	< 3.9	< 0.0010	< 0.0052	< 0.0010	< 0.0031
		FMW-07-70.0	70.0	70.0	100.7	4/12/2018	< 26	< 52	< 4.5	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FMW-07-80.0-041318	80.0	80.0	90.7	4/13/2018	---	---	---	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-07-90.0-041318	90.0	90.0	80.7	4/13/2018	< 29	< 59	< 4.8	< 0.00079	< 0.0040	< 0.00079	< 0.00239
FMW-07-95.0-041318	95.0	95.0	75.7	4/13/2018	---	---	---	< 0.00098	< 0.0049	< 0.00098	< 0.00298		
FMW-08	Farallon	FMW-08-5.0-041018	5.0	5.0	164.9	4/10/2018	< 29	58	< 4.9	< 0.00085	< 0.0043	< 0.00085	< 0.00255
		FMW-08-15.0-041618	15.0	15.0	154.9	4/16/2018	< 30	< 60	< 5.1	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FMW-08-20.0-041618	20.0	20.0	149.9	4/16/2018	< 27	< 54	< 4.3	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-08-30.0-041618	30.0	30.0	139.9	4/16/2018	< 27	< 54	< 4.1	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-08-33.0-041618	33.0	33.0	136.9	4/16/2018	< 27	< 54	< 4.5	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FMW-08-40.0-041618	40.0	40.0	129.9	4/16/2018	< 27	< 54	< 4.3	< 0.00072	< 0.0036	< 0.00072	< 0.00212
		FMW-08-50.0-041618	50.0	50.0	119.9	4/16/2018	---	---	---	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FMW-08-60.0-041618	60.0	60.0	109.9	4/16/2018	---	---	---	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-08-70.0-041618	70.0	70.0	99.9	4/16/2018	---	---	---	< 0.00080	< 0.0040	< 0.00080	< 0.0024
		FMW-08-77.0-041618	77.0	77.0	92.9	4/16/2018	---	---	---	< 0.00090	< 0.0045	< 0.00090	< 0.0027
FMW-08-90.0-041618	90.0	90.0	79.9	4/16/2018	---	---	---	< 0.00093	< 0.0047	< 0.00093	< 0.00283		
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FMW-09	Farallon	FMW-09-5.0-041018	5.0	5.0	163.8	4/10/2018	< 29	< 59	< 4.9	< 0.00084	< 0.0042	< 0.00084	< 0.00254
		FMW-09-10.0-041718	10.0	10.0	158.8	4/17/2018	< 28	< 56	< 4.5	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-09-15.0-041718	15.0	15.0	153.8	4/17/2018	< 27	< 55	< 4.2	< 0.00075	< 0.0038	< 0.00075	< 0.00225
		FMW-09-20.0-041718	20.0	20.0	148.8	4/17/2018	< 28	< 57	< 4.5	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-09-25.0-041718	25.0	25.0	143.8	4/17/2018	< 27	< 55	< 4.4	< 0.00080	< 0.0040	< 0.00080	< 0.0024
		FMW-09-30.0-041718	30.0	30.0	138.8	4/17/2018	< 27	< 54	< 4.1	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-09-40.0-041718	40.0	40.0	128.8	4/17/2018	---	---	---	< 0.00075	< 0.0037	< 0.00075	< 0.00225
		FMW-09-50.0-041718	50.0	50.0	118.8	4/17/2018	< 27	< 55	< 4.3	< 0.00072	< 0.0036	< 0.00072	< 0.00212
		FMW-09-60.0-041718	60.0	60.0	108.8	4/17/2018	---	---	---	< 0.00071	< 0.0036	< 0.00071	< 0.00211
		FMW-09-70.0-041718	70.0	70.0	98.8	4/17/2018	---	---	---	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-09-75.0-041818	75.0	75.0	93.8	4/18/2018	< 29	< 58	< 4.9	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-09-80.0-041818	80.0	80.0	88.8	4/18/2018	< 30	< 60	< 5.0	< 0.00081	< 0.0040	< 0.00081	< 0.00241
		FMW-09-85.0-041818	85.0	85.0	83.8	4/18/2018	< 31	< 62	< 5.7	< 0.00088	< 0.0044	< 0.00088	< 0.00268
FMW-09-95.0-041818	95.0	95.0	73.8	4/18/2018	---	---	---	< 0.00097	< 0.0049	< 0.00097	< 0.00287		
FMW-10	Farallon	FMW-10-5.0-041018	5.0	5.0	164.6	4/10/2018	< 32	140	< 6.2	< 0.0010	< 0.0051	< 0.0010	< 0.003
		FMW-10-10.0-041718	10.0	10.0	159.6	4/17/2018	< 29	< 57	< 4.5	< 0.00071	< 0.0036	< 0.00071	< 0.00211
		FMW-10-20.0-041718	20.0	20.0	149.6	4/17/2018	< 28	< 55	< 4.5	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FMW-10-28.0-041718	28.0	28.0	141.6	4/17/2018	< 28	< 55	< 4.3	< 0.00073	< 0.0037	< 0.00073	< 0.00223
		FMW-10-40.0-041718	40.0	40.0	129.6	4/17/2018	< 27	< 54	< 3.9	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-10-45.0-041718	45.0	45.0	124.6	4/17/2018	< 27	< 55	< 4.1	< 0.00075	< 0.0037	< 0.00075	< 0.00225
		FMW-10-55.0-041718	55.0	55.0	114.6	4/17/2018	< 27	< 53	< 4.3	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FMW-10-65.0-041718	65.0	65.0	104.6	4/17/2018	---	---	---	< 0.00075	< 0.0037	< 0.00075	< 0.00225
		FMW-10-75.0-041718	75.0	75.0	94.6	4/17/2018	---	---	---	< 0.00092	< 0.0046	< 0.00092	< 0.00272
		FMW-10-80.0-041718	80.0	80.0	89.6	4/17/2018	---	---	---	< 0.00088	< 0.0044	< 0.00088	< 0.00268
FMW-10-85.0-041718	85.0	85.0	84.6	4/17/2018	< 30	< 61	< 5.4	< 0.00090	< 0.0045	< 0.00090	< 0.0027		
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FMW-11	Farallon	FMW-11-5.0-041018	5.0	5.0	174.5	4/10/2018	< 30	< 59	< 5.2	< 0.00084	< 0.0042	< 0.00084	< 0.00254
		FMW-11-15.0-041818	15.0	15.0	164.5	4/18/2018	< 28	< 55	< 4.2	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-11-25.0-041818	25.0	25.0	154.5	4/18/2018	< 27	< 55	< 4.2	< 0.00081	< 0.0041	< 0.00081	< 0.00241
		FMW-11-30.0-041818	30.0	30.0	149.5	4/18/2018	< 28	< 56	< 4.1	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FMW-11-35.0-041818	35.0	35.0	144.5	4/18/2018	< 28	< 56	< 5.0	< 0.00088	< 0.0044	< 0.00088	< 0.00268
		FMW-11-45.0-041818	45.0	45.0	134.5	4/18/2018	< 27	< 54	< 4.0	< 0.0010	< 0.0052	< 0.0010	< 0.0031
		FMW-11-55.0-041818	55.0	55.0	124.5	4/18/2018	< 27	< 54	< 4.1	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FMW-11-60.0-041818	60.0	60.0	119.5	4/18/2018	< 27	< 53	< 4.2	< 0.00083	< 0.0042	< 0.00083	< 0.00253
		FMW-11-70.0	70.0	70.0	109.5	4/19/2018	---	---	---	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FMW-11-80.0	80.0	80.0	99.5	4/19/2018	< 26	< 51	< 5.1	< 0.00089	< 0.0044	< 0.00089	< 0.00269
		FMW-11-90.0	90.0	90.0	89.5	4/19/2018	---	---	---	< 0.00085	< 0.0043	< 0.00085	< 0.00255
		FMW-11-95.0	95.0	95.0	84.5	4/19/2018	< 31	< 62	< 5.2	< 0.00087	< 0.0044	< 0.00087	< 0.00257
FMW-11-100.0	100.0	100.0	79.5	4/19/2018	---	---	---	< 0.00089	< 0.0044	< 0.00089	< 0.00269		
FMW-12	Farallon	FMW-12-5.0-041118	5.0	5.0	166.8	4/11/2018	99	< 57	< 5.0	< 0.00093	< 0.0046	< 0.00093	< 0.00283
		FMW-12-13.0-041118	13.0	13.0	158.8	4/11/2018	< 29	< 58	< 5.0	< 0.00077	< 0.0038	< 0.00077	< 0.00227
		FMW-12-20.0-041118	20.0	20.0	151.8	4/11/2018	< 27	< 54	< 4.4	< 0.00074	< 0.0037	< 0.00074	< 0.00224
		FMW-12-25.0-041118	25.0	25.0	146.8	4/11/2018	< 27	< 54	< 4.2	< 0.00075	< 0.0037	< 0.00075	< 0.00225
		FMW-12-35.0-041118	35.0	35.0	136.8	4/11/2018	< 27	< 55	< 4.2	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FMW-12-45.0-041118	45.0	45.0	126.8	4/11/2018	< 27	< 54	< 4.4	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FMW-12-55.0-041118	55.0	55.0	116.8	4/11/2018	< 27	< 54	< 4.0	< 0.00066	< 0.0033	< 0.00066	< 0.00196
		FMW-12-60.0-041118	60.0	60.0	111.8	4/11/2018	---	---	---	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-12-75.0-041118	75.0	75.0	96.8	4/11/2018	---	---	---	< 0.00075	< 0.0037	< 0.00075	< 0.00225
		FMW-12-85.0-041118	85.0	85.0	86.8	4/11/2018	---	---	---	< 0.00087	< 0.0043	< 0.00087	< 0.00257
FMW-12-90.0-041118	90.0	90.0	81.8	4/11/2018	< 31	< 62	< 5.5	< 0.00084	< 0.0042	< 0.00084	< 0.00254		
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FMW-13	Farallon	FMW-13-5.0-041118	5.0	5.0	176.3	4/11/2018	< 29	< 57	< 5.0	< 0.00088	< 0.0044	< 0.00088	< 0.00268
		FMW-13-10.0	10.0	10.0	171.3	4/19/2018	< 27	< 55	< 4.0	< 0.00073	< 0.0037	< 0.00073	< 0.00223
		FMW-13-20.0	20.0	20.0	161.3	4/19/2018	< 27	< 53	< 4.6	< 0.00089	< 0.0045	< 0.00089	< 0.00269
		FMW-13-30.0	30.0	30.0	151.3	4/19/2018	< 28	< 56	< 4.9	< 0.00088	< 0.0044	< 0.00088	< 0.00268
		FMW-13-40.0	40.0	40.0	141.3	4/19/2018	< 28	< 55	< 4.8	< 0.00087	< 0.0044	< 0.00087	< 0.00257
		FMW-13-50.0	50.0	50.0	131.3	4/19/2018	---	---	---	< 0.00079	< 0.0040	< 0.00079	< 0.00239
		FMW-13-60.0	60.0	60.0	121.3	4/19/2018	---	---	---	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-13-70.0-042018	70.0	70.0	111.3	4/20/2018	---	---	---	< 0.00088	< 0.0044	< 0.00088	< 0.00528
		FMW-13-80.0-042018	80.0	80.0	101.3	4/20/2018	---	---	---	< 0.00072	< 0.0036	< 0.00072	< 0.00432
FMW-13-90.0-042018	90.0	90.0	91.3	4/20/2018	---	---	---	< 0.00086	< 0.0043	< 0.00086	< 0.00516		
FMW-14	Farallon	FMW-14-2.5-052118	2.5	2.5	170.3	5/21/2018	< 28	< 57	< 4.8	< 0.00088	< 0.0044	< 0.00088	< 0.00268
		FMW-14-5.0-052118	5.0	5.0	167.8	5/21/2018	< 28	150	< 4.9	< 0.00079	< 0.0039	< 0.00079	< 0.00239
		FMW-14-7.5-052118	7.5	7.5	165.3	5/21/2018	< 28	< 56	< 4.2	< 0.00075	< 0.0038	< 0.00075	< 0.00225
		FMW-14-10.0-052118	10.0	10.0	162.8	5/21/2018	< 28	< 55	< 4.3	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-14-15.0-052118	15.0	15.0	157.8	5/21/2018	< 28	< 56	< 4.6	< 0.00069	< 0.0035	< 0.00069	< 0.00209
		FMW-14-20.0-052118	20.0	20.0	152.8	5/21/2018	< 27	< 54	< 4.6	< 0.00093	< 0.0046	< 0.00093	< 0.00283
		FMW-14-25.0-052118	25.0	25.0	147.8	5/21/2018	---	---	---	< 0.0012	< 0.0058	< 0.0012	< 0.0035
		FMW-14-30.0-052118	30.0	30.0	142.8	5/21/2018	---	---	---	< 0.00090	< 0.0045	< 0.00090	< 0.00270
		FMW-14-35.0-052118	35.0	35.0	137.8	5/21/2018	---	---	---	< 0.00088	< 0.0044	< 0.00088	< 0.00268
FMW-14-40.0-052118	40.0	40.0	132.8	5/21/2018	---	---	---	< 0.00089	< 0.0045	< 0.00089	< 0.00269		
FMW-15	Farallon	FMW-15-7.5-052118	7.5	7.5	166.4	5/21/2018	< 28	< 55	< 4.4	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-15-15.0-052118	15.0	15.0	158.9	5/21/2018	< 28	240	< 4.5	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FMW-15-20.0-052118	20.0	20.0	153.9	5/21/2018	< 27 H	< 55 H	< 4.5 H	< 0.00074 H	< 0.0037 H	< 0.00074 H	< 0.00224 H
		FMW-15-25.0-052118	25.0	25.0	148.9	5/21/2018	< 27 H	< 54 H	< 4.6 H	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-15-35.0-052118	35.0	35.0	138.9	5/21/2018	< 28 H	< 55 H	< 4.7 H	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FMW-15-40.0-052118	40.0	40.0	133.9	5/21/2018	---	---	---	< 0.00068	< 0.0034	< 0.00068	< 0.00208
		FMW-15-45.0-052118	45.0	45.0	128.9	5/21/2018	< 27 H	< 54 H	< 4.0 H	< 0.00070	< 0.0035	< 0.00070	< 0.00210
		FMW-15-50.0-052118	50.0	50.0	123.9	5/21/2018	< 26 H	< 53 H	< 4.7 H	< 0.00092	< 0.0046	< 0.00092	< 0.00272
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FMW-16	Farallon	FMW-16-2.5-052118	2.5	2.5	176.6	5/21/2018	< 140	500	< 4.9	< 0.00087	< 0.0044	< 0.00087	< 0.00257
		FMW-16-5.0-052218	5.0	5.0	174.1	5/22/2018	< 29	230	< 5.0	< 0.00095	< 0.0048	< 0.00095	< 0.00285
		FMW-16-7.5-052218	7.5	7.5	171.6	5/22/2018	< 28	< 57	< 4.5	< 0.00083	< 0.0041	< 0.00083	< 0.00253
		FMW-16-10.0-052218	10.0	10.0	169.1	5/22/2018	< 28	< 56	< 4.3	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FMW-16-15.0-052218	15.0	15.0	164.1	5/22/2018	< 27	< 54	< 4.8	< 0.00072	< 0.0036	< 0.00072	< 0.00212
		FMW-16-20.0-052218	20.0	20.0	159.1	5/22/2018	< 28	< 55	< 5.3	< 0.00085	< 0.0042	< 0.00085	< 0.00255
		FMW-16-25.0-052218	25.0	25.0	154.1	5/22/2018	< 27	< 54	< 4.4	< 0.00089	< 0.0044	< 0.00089	< 0.00269
		FMW-16-35.0-052218	35.0	35.0	144.1	5/22/2018	< 27	< 54	< 4.5	< 0.00085	< 0.0042	< 0.00085	< 0.00255
		FMW-16-40.0-052218	40.0	40.0	139.1	5/22/2018	< 27	< 54	< 4.8	< 0.00084	< 0.0042	< 0.00084	< 0.00254
		FMW-16-45.0-052218	45.0	45.0	134.1	5/22/2018	< 26	< 53	< 5.3	< 0.00068	< 0.0034	< 0.00068	< 0.00208
FMW-16-55.0-052218	55.0	55.0	124.1	5/22/2018	< 27	< 53	< 4.1	< 0.00094	< 0.0047	< 0.00094	< 0.00284		
FMW-17	Farallon	FMW-17-5.0-052218	5.0	5.0	164.7	5/22/2018	< 34	380	< 4.5	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-17-10.0-052218	10.0	10.0	159.7	5/22/2018	< 28	< 55	< 4.6	< 0.00083	< 0.0041	< 0.00083	< 0.00253
		FMW-17-15.0-052218	15.0	15.0	154.7	5/22/2018	< 27	83	< 4.6	< 0.00081	< 0.0040	< 0.00081	< 0.00241
		FMW-17-25.0-052218	25.0	25.0	144.7	5/22/2018	< 27	< 55	< 4.4	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FMW-17-35.0-052218	35.0	35.0	134.7	5/22/2018	< 28	< 56	< 4.3	< 0.00091	< 0.0045	< 0.00091	< 0.00271
		FMW-17-40.0-052218	40.0	40.0	129.7	5/22/2018	< 27	< 55	< 4.5	< 0.00081	< 0.0041	< 0.00081	< 0.00241
		FMW-17-45.0-052218	45.0	45.0	124.7	5/22/2018	< 27	< 54	< 4.6	< 0.00082	< 0.0041	< 0.00082	< 0.00242
FMW-18	Farallon	FMW-18-5.0-052318	5.0	5.0	165.7	5/23/2018	< 28	190	< 4.6	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FMW-18-15.0-052318	15.0	15.0	155.7	5/23/2018	< 27	< 55	< 4.5	< 0.00085	< 0.0043	< 0.00085	< 0.00255
		FMW-18-25.0-052318	25.0	25.0	145.7	5/23/2018	< 27	< 54	< 4.5	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FMW-18-35.0-052318	35.0	35.0	135.7	5/23/2018	< 28	< 55	< 4.6	0.0011	< 0.0043	< 0.00086	< 0.00256
		FMW-18-40.0-052318	40.0	40.0	130.7	5/23/2018	< 28	< 56	< 4.9	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FMW-18-45.0-052318	45.0	45.0	125.7	5/23/2018	< 29	< 58	< 4.4	< 0.00081	< 0.0040	< 0.00081	< 0.00241
		FMW-18-50.0-052318	50.0	50.0	120.7	5/23/2018	< 27	< 55	< 4.7	< 0.00085	< 0.0043	< 0.00085	< 0.00255
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FB-01	Farallon	FB-01-2.5-052118	2.5	2.5	177.2	5/21/2018	< 28	< 56	< 4.8	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FB-01-7.5-052318	7.5	7.5	172.2	5/23/2018	< 28	< 56	< 6.1	< 0.00088	< 0.0044	< 0.00088	< 0.00268
		FB-01-10.0-052318	10.0	10.0	169.7	5/23/2018	< 28	76	< 5.2	< 0.00087	< 0.0044	< 0.00087	< 0.00257
		FB-01-15.0-052318	15.0	15.0	164.7	5/23/2018	< 27	< 54	< 5.0	< 0.00088	< 0.0044	< 0.00088	< 0.00268
		FB-01-20.0-052318	20.0	20.0	159.7	5/23/2018	< 27	< 54	< 4.8	< 0.0010 J	< 0.0052 J	< 0.0010 J	< 0.0031 J
		FB-01-25.0-052318	25.0	25.0	154.7	5/23/2018	< 27	< 55	< 4.6	< 0.00081 J	< 0.0041 J	< 0.00081 J	< 0.00241 J
		FB-01-35.0-052318	35.0	35.0	144.7	5/23/2018	< 31	< 63	< 4.7	< 0.00083 J	< 0.0042 J	< 0.00083 J	< 0.00253 J
FB-01-40.0-052318	40.0	40.0	139.7	5/23/2018	< 30	< 59	< 6.8	< 0.0011 J	< 0.0053 J	< 0.0011 J	< 0.0032 J		
FB-02	Farallon	FB-02-5.0-052318	5.0	5.0	174.7	5/23/2018	< 28	< 56	< 5.1	< 0.00086 J	< 0.0043 J	< 0.00086 J	< 0.00256 J
		FB-02-7.5-052318	7.5	7.5	172.2	5/23/2018	< 28	< 57	< 5.1	< 0.00075 J	< 0.0037 J	< 0.00075 J	< 0.00225 J
		FB-02-15.0-052318	15.0	15.0	164.7	5/23/2018	< 27	< 55	< 4.7	< 0.0012 J	< 0.0060 J	< 0.0012 J	< 0.0036 J
		FB-02-25.0-052418	25.0	25.0	154.7	5/24/2018	< 28	< 55	< 4.5	< 0.0012	< 0.0058	< 0.0012	< 0.0035
		FB-02-30.0-052418	30.0	30.0	149.7	5/24/2018	< 26	< 53	< 5.4	< 0.00090	< 0.0045	< 0.00090	< 0.0027
FB-02-40.0-052418	40.0	40.0	139.7	5/24/2018	< 31	< 61	< 6.4	< 0.0011	< 0.0054	< 0.0011	< 0.0033		
FB-03	Farallon	FB-03-2.5-052118	2.5	2.5	177.2	5/21/2018	< 28	190	< 4.7	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FB-03-10.0-052418	10.0	10.0	169.7	5/24/2018	< 28	< 57	< 5.0	< 0.00084	< 0.0042	< 0.00084	< 0.00254
		FB-03-15.0-052418	15.0	15.0	164.7	5/24/2018	< 27	< 55	< 5.9	< 0.00081	< 0.0041	< 0.00081	< 0.00241
		FB-03-25.0-052418	25.0	25.0	154.7	5/24/2018	< 27	< 55	< 4.1	< 0.00087	< 0.0043	< 0.00087	< 0.00257
		FB-03-35.0-052418	35.0	35.0	144.7	5/24/2018	< 27	< 53	< 4.2	< 0.00075	< 0.0037	< 0.00075	< 0.00225
FB-03-40.0-052418	40.0	40.0	139.7	5/24/2018	< 27	< 53	< 3.9	< 0.00083	< 0.0041	< 0.00083	< 0.00253		
FMW-19/ FB-04	Farallon	FB-04-2.5-052118	2.5	2.5	175.6	5/21/2018	< 280	1,400	< 5.0	< 0.00091	< 0.0046	< 0.00091	< 0.00271
		FB-04-7.5-052318	7.5	7.5	170.6	5/23/2018	< 27	< 55	< 4.5	< 0.00080	< 0.0040	< 0.00080	< 0.0024
		FB-04-15.0-052318	15.0	15.0	163.1	5/23/2018	< 27	290	< 4.4	< 0.00086	< 0.0043	< 0.00086	< 0.00256
		FB-04-25.0-052318	25.0	25.0	153.1	5/23/2018	< 28	< 55	< 5.7	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FB-04-30.0-052318	30.0	30.0	148.1	5/23/2018	< 27	< 55	< 5.6	< 0.00085	< 0.0043	< 0.00085	< 0.00255
		FB-04-35.0-052318	35.0	35.0	143.1	5/23/2018	< 30	< 60	< 4.9	< 0.0011	< 0.0055	< 0.0011	< 0.0033
FB-04-40.0-052318	40.0	40.0	138.1	5/23/2018	< 29	< 57	< 7.3	< 0.00090	< 0.0045	< 0.00090	< 0.0027		
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

Table 3
Soil Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (drilled feet bgs) ¹	Sample Depth (vertical feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
							DRO ²	ORO ²	GRO ³	Benzene ⁴	Toluene ⁴	Ethylbenzene ⁴	Xylenes ⁴
FB-05	Farallon	FB-05-5.0-052318	5.0	5.0	165.2	5/23/2018	< 27	170	< 4.8	< 0.00078	< 0.0039	< 0.00078	< 0.00238
		FB-05-10.0-052318	10.0	10.0	160.2	5/23/2018	< 27	< 55	< 4.6	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FB-05-20.0-052318	20.0	20.0	150.2	5/23/2018	< 27	< 55	< 4.6	< 0.00084	< 0.0042	< 0.00084	< 0.00254
		FB-05-30.0-052318	30.0	30.0	140.2	5/23/2018	< 27	< 54	< 4.3	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FB-05-35.0-052318	35.0	35.0	135.2	5/23/2018	< 27	< 54	< 4.1	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FB-05-40.0-052318	40.0	40.0	130.2	5/23/2018	< 28	< 55	< 4.4	< 0.00076	< 0.0038	< 0.00076	< 0.00226
FB-06	Farallon	FB-06-2.5-052218	2.5	2.5	173.1	5/22/2018	< 28	< 56	< 4.5	< 0.00072	< 0.0036	< 0.00072	< 0.00212
		FB-06-7.5-052518	7.5	7.5	168.1	5/25/2018	< 27	< 55	< 4.3	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FB-06-10.0-052518	10.0	10.0	165.6	5/25/2018	< 28	< 56	< 4.2	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FB-06-20.0-052518	20.0	20.0	155.6	5/25/2018	< 28	< 57	< 4.6	< 0.00079	< 0.0039	< 0.00079	< 0.00239
		FB-06-22.5-052518	22.5	22.5	153.1	5/25/2018	< 28	< 55	< 4.7	< 0.00080	< 0.0040	< 0.00080	< 0.00240
FB-07	Farallon	FB-07-2.5-052218	2.5	2.5	168.5	5/22/2018	< 28	< 56	< 4.3	< 0.00076	< 0.0038	< 0.00076	< 0.00226
		FB-07-15.0-052318	15.0	15.0	156.0	5/23/2018	< 27	< 55	< 4.3	< 0.00080	< 0.0040	< 0.00080	< 0.00240
		FB-07-25.0-052318	25.0	25.0	146.0	5/23/2018	< 27	< 55	< 4.3	< 0.00079	< 0.0039	< 0.00079	< 0.00239
		FB-07-35.0-052318	35.0	35.0	136.0	5/23/2018	58 P	< 56	< 4.5	< 0.00082	< 0.0041	< 0.00082	< 0.00242
		FB-07-40.0-052318	40.0	40.0	131.0	5/23/2018	< 28	< 55	< 4.6	< 0.00081	< 0.0041	< 0.00081	< 0.00241
FB-08	Farallon	FB-08-2.5-052218	2.5	2.5	168.4	5/22/2018	< 28	73	< 4.2	< 0.00077	< 0.0038	< 0.00077	< 0.00227
		FB-08-10.0-052218	10.0	10.0	160.9	5/22/2018	< 28	< 55	< 4.3	< 0.00075	< 0.0037	< 0.00075	< 0.00225
		FB-08-20.0-052218	20.0	20.0	150.9	5/22/2018	< 28	< 56	< 4.5	< 0.00077	< 0.0039	< 0.00077	< 0.00227
		FB-08-25.0-052218	25.0	25.0	145.9	5/22/2018	< 27	< 54	< 4.2	< 0.00072	< 0.0036	< 0.00072	< 0.00212
		FB-08-30.0-052218	30.0	30.0	140.9	5/22/2018	< 27	< 54	< 3.8	< 0.00081	< 0.0041	< 0.00081	< 0.00241
		FB-08-35.0-052218	35.0	35.0	135.9	5/22/2018	< 28	< 55	< 4.3	< 0.00077	< 0.0038	< 0.00077	< 0.00227
FB-09	Farallon	FB-09-10.0-052218	10.0	10.0	169.1	5/22/2018	< 27	< 54	< 4.6	< 0.00079	< 0.0039	< 0.00079	< 0.00239
MTCA Method A Cleanup Levels for Soil⁶							2,000	2,000	30/100⁷	0.03	7	6	9

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

Highlighting denotes analyte detected at or exceeding laboratory practical quantitation limit(s).

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

— denotes sample not analyzed.

¹Sample depth in feet below ground surface. Sample elevation in feet North American Vertical Datum of 1988 (NAVD88).

²Analyzed by Northwest Method NWTPH-Dx, unless otherwise noted.

³Analyzed by Northwest Method NWTPH-Gx, unless otherwise noted.

⁴Analyzed by U.S. Environmental Protection Agency Method 8260C.

⁵Analyzed by Northwest Method NWTPH-HCID (Hydrocarbon Identification).

⁶Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

⁷Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

bgs = below ground surface

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

Farallon = Farallon Consulting, L.L.C.

Golder = Golder Associates Inc.

GRO = TPH as gasoline-range organics

H = sample analyzed outside of holding time

J = result is an estimate

ND = not detected and reporting limit unknown

ORO = TPH as oil-range organics

P = result is attributed to one unidentified peak within the diesel-range

SES = SoundEarth Strategies, Inc.

Table 4
Soil Analytical Results for Select Metals
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Identification	Sample Depth (feet bgs) ¹	Sample Elevation (feet NAVD88) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²							
						Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
FMW-04	Farallon	FMW-04-5.0-040918	5.0	169.6	4/9/2018	< 11	54	< 0.54	44	< 5.4	< 0.27	< 11	< 1.1
		FMW-04-10.0-040918	10.0	164.6	4/9/2018	< 11	53	< 0.54	46	< 5.4	< 0.27	< 11	< 1.1
FMW-05	Farallon	FMW-05-5.0-040918	5.0	170.0	4/9/2018	< 11	53	< 0.56	31	< 5.6	< 0.28	< 11	< 1.1
FMW-07	Farallon	FMW-07-5.0-040918	5.0	165.7	4/9/2018	< 11	57	< 0.56	30	< 5.6	< 0.28	< 11	< 1.1
		FMW-07-10.0	10.0	160.7	4/12/2018	< 11	44	< 0.56	37	< 5.6	< 0.28	< 11	< 1.1
FMW-08	Farallon	FMW-08-5.0-041018	5.0	164.9	4/10/2018	< 12	78	< 0.58	39	< 5.8	< 0.29	< 12	< 1.2
		FMW-08-15.0-041618	15.0	154.9	4/16/2018	< 12	43	< 0.60	30	9.3	< 0.30	< 12	< 1.2
FMW-09	Farallon	FMW-09-5.0-041018	5.0	163.8	4/10/2018	< 12	73	< 0.59	38	< 5.9	< 0.29	< 12	< 1.2
		FMW-09-10.0-041718	10.0	158.8	4/17/2018	< 11	59	< 0.56	43	< 5.6	< 0.28	< 11	< 1.1
FMW-10	Farallon	FMW-10-5.0-041018	5.0	164.6	4/10/2018	< 13	63	< 0.63	40	< 6.3	< 0.32	< 13	< 1.3
		FMW-10-10.0-041718	10.0	159.6	4/17/2018	< 11	42	< 0.57	32	< 5.7	< 0.29	< 11	< 1.1
FMW-11	Farallon	FMW-11-5.0-041018	5.0	174.5	4/10/2018	< 12	98	< 0.59	44	< 5.9	< 0.30	< 12	< 1.2
FMW-12	Farallon	FMW-12-5.0-041118	5.0	166.8	4/11/2018	< 11	99	< 0.57	45	< 5.7	< 0.29	< 11	< 1.1
FMW-13	Farallon	FMW-13-5.0-041118	5.0	176.3	4/11/2018	< 11	65	< 0.57	36	< 5.7	0.33	< 11	< 1.1
		FMW-13-10.0	10.0	171.3	4/19/2018	< 11	56	< 0.54	45	< 5.4	< 0.27	< 11	< 1.1
MTCA Cleanup Levels for Soil³						20	16,000⁴	2	2,000	250	2	400⁴	400⁴

NOTES:

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

Highlighting denotes analyte detected at or exceeding laboratory practical quantitation limit(s).

¹Sample depth in feet below ground surface. Sample elevation in feet North American Vertical Datum of 1988 (NAVD88).

²Analyzed by U.S. Environmental Protection Agency Methods 6010D/7471B.

³Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013 unless otherwise noted.

⁴Washington State Department of Ecology Cleanup Levels and Risk Calculations, under MTCA Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway, <https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>

⁵Washington State Cleanup Levels and Risk Calculations under MTCA, Standard Method B Formula Values for Soil from CLARC Master spreadsheet updated September 2015, <https://fortress.wa.gov/ecy/clarc/CLARCDataTables.aspx>

bgs = below ground surface

Farallon = Farallon Consulting, L.L.C.

Table 5
Groundwater Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter) ¹				
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Reconnaissance Boring Groundwater Samples								
B02	SES	3/28/2011	20110328-B02	< 1	4.7	34	1.9	45
B04	SES	3/28/2011	20110328-B04	1.3	3.3	100	1.7	34
FB-06	Farallon	5/25/2018	FB-06-GW-052518	0.35	0.90	6.1	< 0.20	0.91
FB-08	Farallon	5/23/2018	FB-08-GW-052318	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
Shallow Monitoring Well Groundwater Samples								
B08/MW01	SES	5/11/2011	MW01-20110511	6.4	< 1	< 1	< 1	< 0.2
	Farallon	4/6/2018	MW01-040618	8.9	0.23	< 0.20	< 0.20	< 0.20
B09/MW02	SES	5/11/2011	MW02-20110511	< 1	< 1	< 1	< 1	< 0.2
	Farallon	4/6/2018	MW02-040618	1.5	< 0.20	< 0.20	< 0.20	< 0.20
B10/MW03	SES	5/11/2011	MW03-20110511	< 1	< 1	< 1	< 1	< 0.2
	Farallon	4/6/2018	MW03-040618	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
FMW-04	Farallon	4/18/2018	---	Well Dry, Not Sampled				
FMW-05	Farallon	4/18/2018	MW-05-041818	< 0.20	< 0.20	1.7	< 0.20	20
FMW-06	Farallon	4/18/2018	MW-06-041818	0.33	0.62	0.94	< 0.20	0.22
FMW-14	Farallon	5/24/2018	FMW-14-052418	3.6	< 0.20	< 0.20	< 0.20	< 0.20
FMW-15	Farallon	5/24/2018	---	Well Dry, Not Sampled				
FMW-16	Farallon	5/24/2018	---	Well Dry, Not Sampled				
FMW-17	Farallon	5/24/2018	FMW-17-052418	0.79	0.24	18	< 0.20	0.38
FMW-18	Farallon	5/24/2018	FMW-18-052418	< 1.0	< 1.0	190	1.5	80
FMW-19/FB-04	Farallon	5/24/2018	---	Well Dry, Not Sampled				
MTCA Cleanup Levels for Groundwater²				5	5	16³	160³	0.2

Table 5
Groundwater Analytical Results for Select Halogenated VOCs
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter) ¹				
				PCE	TCE	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	Vinyl Chloride
Deep Monitoring Well Groundwater Samples								
FMW-07	Farallon	4/20/2018	FMW-07-042018	< 0.20	< 0.20	0.74	< 0.20	< 0.20
FMW-08	Farallon	4/18/2018	MW-08-041818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
FMW-09	Farallon	4/20/2018	FMW-09-042018	< 0.20	< 0.20	0.57	< 0.20	< 0.20
FMW-10	Farallon	4/20/2018	---	Well Dry, Not Sampled				
FMW-11	Farallon	4/20/2018	FMW-11-042018	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
FMW-12	Farallon	4/18/2018	MW-12-041818	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
FMW-13	Farallon	4/20/2018	FMW-13-042018	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
MTCA Cleanup Levels for Groundwater²				5	5	16³	160³	0.2

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

Highlighting denotes analyte detected at or exceeding laboratory practical quantitation limit(s).

< denotes analyte not detected at or exceeding the reporting limit listed.

¹Analyzed by U.S. Environmental Protection Agency Method 8260C.

²Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater,

Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013, unless otherwise noted.

³MTCA Cleanup Levels and Risk Calculations, Standard Method B Values for Groundwater, <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>

Farallon = Farallon Consulting, L.L.C.

PCE = tetrachloroethene

SES = SoundEarth Strategies, Inc.

TCE = trichloroethene

VOC = volatile organic compound

Table 6
Groundwater Analytical Results for Petroleum Hydrocarbons and BTEX
10650 Northeast 8th Street
Bellevue, Washington
Farallon PN: 1065-010

Sample Location	Sampled By	Sample Date	Sample Identification	Analytical Results (micrograms per liter)								
				DRO ¹	ORO ¹	GRO ²	Benzene ³	Toluene ³	Ethylbenzene ³	Xylenes ³		
Reconnaissance Boring Groundwater Samples												
B3	Golder	1/23/2003	B3-GW1	ND	1,700	ND ⁴	---	---	---	---	---	
B4	Golder	1/22/2003	B4-GW1	ND ⁴	ND ⁴	ND ⁴	---	---	---	---	---	
B02	SES	3/28/2011	20110328-B02	79,000	1,500	1,400	8.8	< 1	32	6.2		
B04	SES	3/28/2011	20110328-B04	1,100	550	< 200	1.4	< 1	< 1	< 3		
FB-06	Farallon	5/25/2018	FB-06-GW-052518	< 260	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
FB-08	Farallon	5/23/2018	FB-08-GW-052318	< 280	< 440	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
Shallow Monitoring Well Groundwater Samples												
B08/MW01	SES	5/11/2011	MW01-20110511	< 50	< 250	< 100	< 1	< 1	< 1	< 3		
	Farallon	4/6/2018	MW01-040618	< 260	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
B09/MW02	SES	5/11/2011	MW02-20110511	230	< 250	< 100	< 1	< 1	< 1	< 3		
	Farallon	4/6/2018	MW02-040618	< 250	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
B10/MW03	SES	5/11/2011	MW03-20110511	< 50	< 250	< 100	< 1	< 1	< 1	< 3		
	Farallon	4/6/2018	MW03-040618	< 260	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
FMW-04	Farallon	4/18/2018	---	Well Dry, Not Sampled								
FMW-05	Farallon	4/18/2018	MW-05-041818	4,400 M	< 660	1,400 F	9.6	< 1.0	9.6	6.22		
FMW-06	Farallon	4/18/2018	MW-06-041818	< 260	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
FMW-14	Farallon	5/24/2018	FMW-14-052418	< 260	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
FMW-15	Farallon	5/24/2018	---	Well Dry, Not Sampled								
FMW-16	Farallon	5/24/2018	---	Well Dry, Not Sampled								
FMW-17	Farallon	5/24/2018	FMW-17-052418	< 260	< 410	< 100	0.78	< 1.0	< 0.20	< 0.60		
FMW-18	Farallon	5/24/2018	FMW-18-052418	< 260	< 410	< 100	3.1	< 5.0	< 1.0	< 3.0		
FMW-19/FB-04	Farallon	5/24/2018	---	Well Dry, Not Sampled								
Deep Monitoring Well Groundwater Samples												
FMW-07	Farallon	4/20/2018	FMW-07-042018	< 240	< 390	< 100	< 1.0	< 1.0	< 1.0	< 2.0		
FMW-08	Farallon	4/18/2018	MW-08-041818	< 260	< 410	< 100	< 0.20	< 1.0	< 0.20	< 0.60		
FMW-09	Farallon	4/20/2018	FMW-09-042018	700 M	< 460	< 100	< 1.0	1.5	< 1.0	< 2.0		
FMW-10	Farallon	4/20/2018	---	Well Dry, Not Sampled								
FMW-11	Farallon	4/20/2018	FMW-11-042018	< 260	< 410	< 100	< 1.0	< 1.0	< 1.0	< 2.0		
FMW-12	Farallon	4/18/2018	MW-12-041818	< 260	< 420	< 100	0.30	< 1.0	< 0.20	< 0.60		
FMW-13	Farallon	4/20/2018	FMW-13-042018	< 270	< 440	< 100	< 1.0	< 1.0	< 1.0	< 2.0		
MTCA Method A Cleanup Level for Groundwater⁵				500	500	800/1,000⁶	5	1,000	700	1,000		

NOTES:

Results in **bold** denote concentrations exceeding applicable cleanup levels.

Highlighting denotes analyte detected at or exceeding laboratory practical quantitation limit(s).

< denotes analyte not detected at or exceeding the reporting limit listed.

--- denotes sample not analyzed.

¹Analyzed by Northwest Method NWTPH-Dx, unless otherwise noted.

²Analyzed by Northwest Method NWTPH-Gx, unless otherwise noted.

³Analyzed by U.S. Environmental Protection Agency Method 8260C or 8021B.

⁴Analyzed by Northwest Method NWTPH-HCID (Hydrocarbon Identification).

⁵Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1

of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.

⁶Cleanup level is 800 micrograms per liter if benzene is detected and 1,000 micrograms per liter if benzene is not detected.

BTEX = benzene, toluene, ethylbenzene, and xylenes

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

F = hydrocarbons indicative of heavier fuels are present in the sample and impacting the gasoline result

Farallon = Farallon Consulting, L.L.C.

Golder = Golder Associates Inc.

GRO = TPH as gasoline-range organics

M = hydrocarbons in the gasoline-range are impacting the diesel-range result

ND = analyte not detected and reporting limit unknown

ORO = TPH as oil-range organics

SES = SoundEarth Strategies, Inc.
























**ATTACHMENT A
BORING LOGS**













SUMMARY OF SUBSURFACE INVESTIGATION
10650 Northeast 8th Street
Bellevue, Washington

Farallon PN: 1065-010

USCS Classification and Graphic Legend

Major Divisions	USCS Graphic Symbol	USCS Letter Symbol	Lithologic Description
-----------------	---------------------	--------------------	------------------------

Coarse-Grained Soil (More than 50% of material is larger than No. 200 sieve size)	GRAVEL AND GRAVELLY SOIL (More than 50% of coarse fraction retained on No. 4 sieve)	CLEAN GRAVEL (Little or no fines)		GW	Well graded GRAVEL, well graded GRAVEL with sand
		GRAVEL WITH FINES (Appreciable amount of fines)		GP	Poorly graded GRAVEL, GRAVEL with sand
				GP-GM	Poorly graded GRAVEL - GRAVEL with sand and silt
				GM	Silty GRAVEL
	SAND AND SANDY SOIL (More than 50% of coarse fraction passed through No. 4 sieve)	CLEAN SAND (Little or no fines)		SW	Well graded SAND
				SP	Poorly graded SAND
		SAND WITH FINES (Appreciable amount of fines)		SP-SM	Poorly graded SAND - silty SAND
				SM	Silty SAND
				SC	Clayey SAND
				SM-ML	SILT - Silty SAND
Fine-Grained Soil (More than 50% of material is smaller than No. 200 sieve size)	SILT AND CLAY (Liquid limit less than 50)		ML	SILT	
			CL	CLAY	
			OL	Organic SILT	
	SILT AND CLAY (Liquid limit greater than 50)		MH	Inorganic SILT	
			CH	Inorganic CLAY	
			OH	Organic CLAY	
		Highly Organic Soil		PT	Peat
OTHER MATERIALS	PAVEMENT		AC	Asphalt concrete	
			CO	Concrete	
	OTHER		RK	Bedrock	
			WD	Wood Debris	
			DB	Debris (Miscellaneous)	
			PC	Portland cement	

Legend	
	Sample Interval
	Grab Sample Interval
	Water level at time of drilling
	Water level at time of sampling
	Blank Casing
	Screened Casing
	Cement Grout
	Bentonite
	Sand Pack
	Well Cap
	Solid line indicates sharp contact between units well defined.
	Dashed line indicates gradational contact between units.
	feet bgs = feet below ground surface
	NE = Not Encountered
	NA = Not Applicable
	PID = Photoionization Detector
	PN = Project Number
	*ppm = parts per million total organic vapors in isobutylene equivalents using a 10.6 electron volt lamp
	USCS = Unified Soil Classification System



Log of Boring: FB-01

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/23/18 12:25
Date/Time Completed: 5/23/18 15:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 40.0
Total Boring Depth (ft bgs): 41.0
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.3'	Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Concrete
	0.3-5.0'	Sandy SILT with gravel (50% silt, 30% sand, 20% gravel), fine to coarse sand, fine to medium gravel, gray, moist, petroleum like odor, no sheen. Brick debris present.	ML					1.3 FB-01-2.5-052118	X	
5	5.0-6.5'	Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to coarse sand and gravel, dark brown, loose, moist, no odor, no sheen. Possible fill material.	SM		100	4/5/5	0.9	FB-01-5.0-052318		
	7.5-8.0'	Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to coarse sand and gravel, dark brown, dense, moist, no odor, no sheen.	SM		100	13/15 /19	1.9	FB-01-7.5-052318	X	
10	8.0-9.0'	Silty SAND (75% sand, 25% silt), fine to coarse sand, brown with gray, very dense, moist, no odor, no sheen. Mottling present.	SM		100	33/50 for 6"	2.0	FB-01-10.0-052318	X	Bentonite
	10.0-11.0'	Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to coarse sand and gravel, light gray, very dense, dry to moist, no odor, no sheen.	SM		100					
15	15.0-15.5'	Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine to coarse sand and gravel, light gray, very dense, dry to moist, no odor, no sheen.	SM		100	50 for 6"	1.2	FB-01-15.0-052318	X	
20	20.0-21.0'	Sandy SILT (50% silt, 40% sand, 10% gravel), fine to medium sand, gray, hard, dry to moist, no odor, no sheen.	ML		100	39/50 for 6"	1.7	FB-01-20.0-052318	X	

Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-01

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

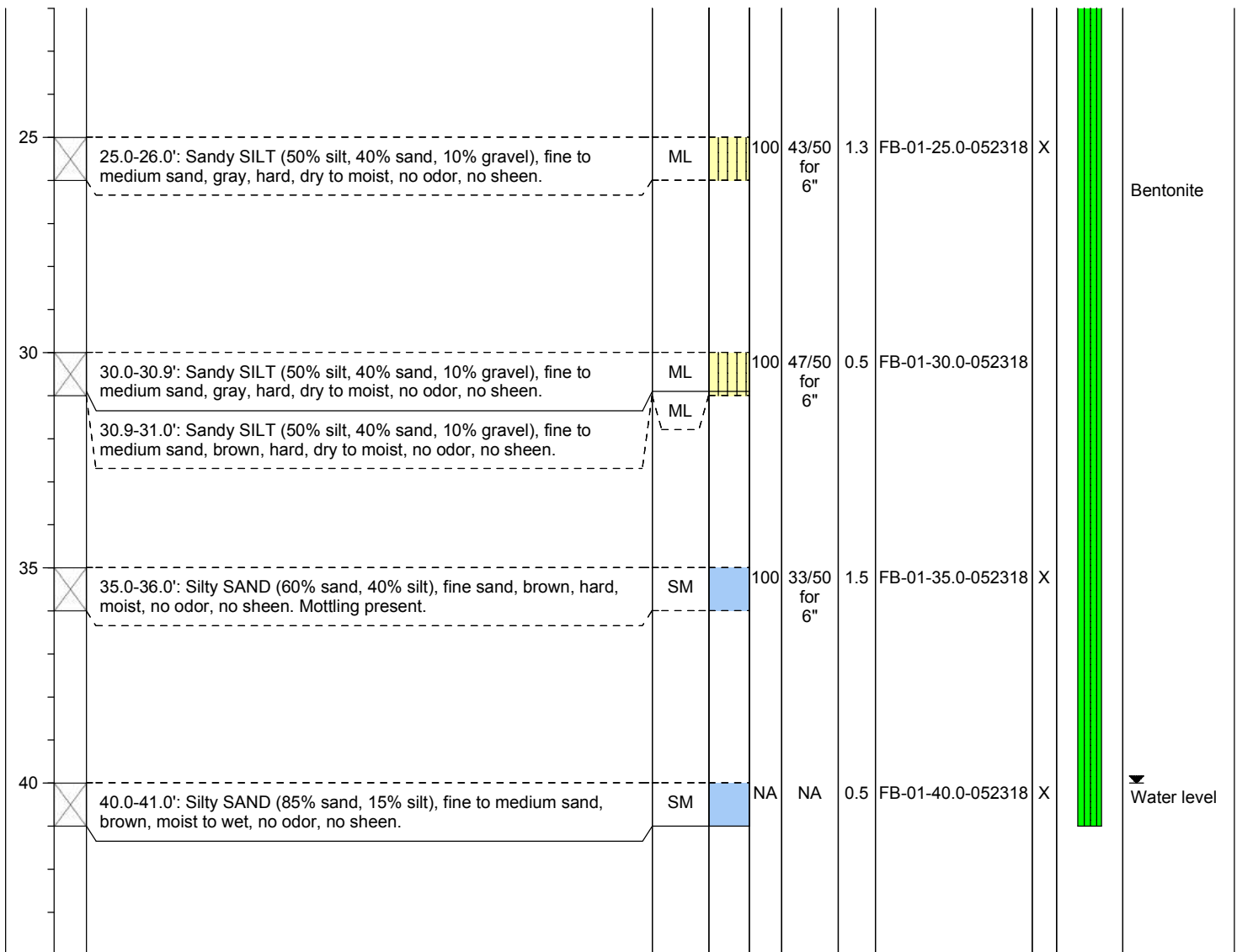
Date/Time Started: 5/23/18 12:25
Date/Time Completed: 5/23/18 15:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 40.0
Total Boring Depth (ft bgs): 41.0
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-02

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/23/18 12:30
Date/Time Completed: 5/24/18 15:40
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.0
Total Boring Depth (ft bgs): 41.0
Total Well Depth (ft bgs): 40.0 (Temp)

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.3'	Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Concrete (Abandoned)
	0.3-5.0'	Silty SAND with gravel (60% sand, 20% silt, 20% gravel), fine to coarse sand, fine to medium gravel, brown, moist, no odor, no sheen.	SM					0.6 FB-02-2.5-052118	X	
5	5.0-6.0'	Silty SAND (80% sand, 20% silt), fine to medium sand, trace gravel, brown, dense, moist to wet, no odor, no sheen. Mottling present.	SM		66	7/16 /18	0.4	FB-02-5.0-052318	X	Bentonite (Abandoned)
	6.0-6.5'	No recovery.								
	6.5-7.5'		SM		100	17/19 /23	0.8	FB-02-7.5-052318	X	
	7.5-9.0'	Silty SAND (70% sand, 25% silt, 5% gravel), fine to medium sand and gravel, light brown, very dense, moist, no odor, no sheen.								
10	10.0-11.0'	Silty SAND (70% sand, 25% silt, 5% gravel), fine to medium sand and gravel, light brown, very dense, moist, no odor, no sheen.	SM		100	23/50 for 6"	0.3	FB-02-10.0-052318	X	Casing (Temp)
15	15.0-16.5'	Silty SAND (50% sand, 45% silt, 5% gravel), fine sand and gravel, light brown, very dense, dry to moist, no odor, no sheen.	SM		100	39/30 /29		FB-02-15.0-052318	X	
20	20.0-20.5'	No recovery.			0	100 for 6"				

Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 35.0-40.0 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-02

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

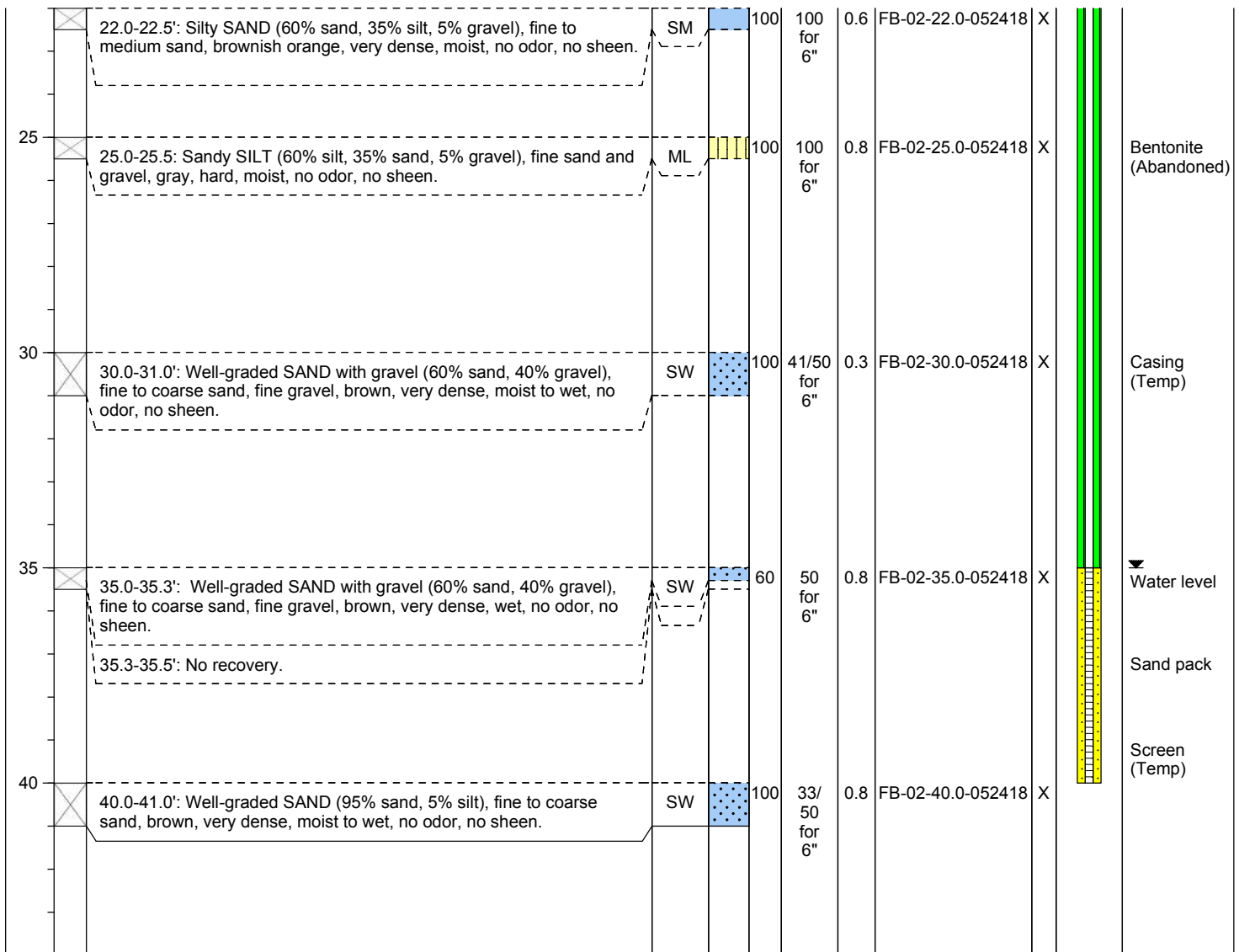
Date/Time Started: 5/23/18 12:30
Date/Time Completed: 5/24/18 15:40
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.0
Total Boring Depth (ft bgs): 41.0
Total Well Depth (ft bgs): 40.0 (Temp)

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 35.0-40.0 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-03

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/23/18 14:45
Date/Time Completed: 5/24/18 16:15
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.0
Total Boring Depth (ft bgs): 40.5
Total Well Depth (ft bgs): 40.0 (Temp)

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.3'	Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Concrete (Abandoned)
	0.3-5.0'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine to medium gravel, grayish brown, moist, petroleum like odor, no sheen.	SM				0.9	FB-03-2.5-052418	X	
5	5.0-6.5'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine to medium gravel, dark brown, medium dense, moist, no odor, no sheen.	SM		100	5/6/8	0.4	FB-03-5.0-052418	X	Bentonite (Abandoned)
10	10.0-11.0'	Silty SAND (55% sand, 40% silt, 5% gravel), fine sand, brown, very dense, moist, no odor, no sheen. Mottling present.	SM		100	29/50 for 6"	0.2	FB-03-10.0-052418	X	
15	15.0-16.0'	Silty SAND (50% sand, 45% silt, 5% gravel), fine to coarse sand, light brown, very dense, dry to moist, no odor, no sheen.	SM		100	26/50 for 6"	0.3	FB-03-15.0-052418	X	Casing (Temp)
20	20.0-20.5'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand and gravel, brown, very dense, moist, no odor, no sheen.	SM		100	50 for 6"	0.1	FB-03-22.0-052418	X	

Well Construction Information

Monument Type: NA	Filter Pack: 10/20 silica sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 30.0-40.0 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-03

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

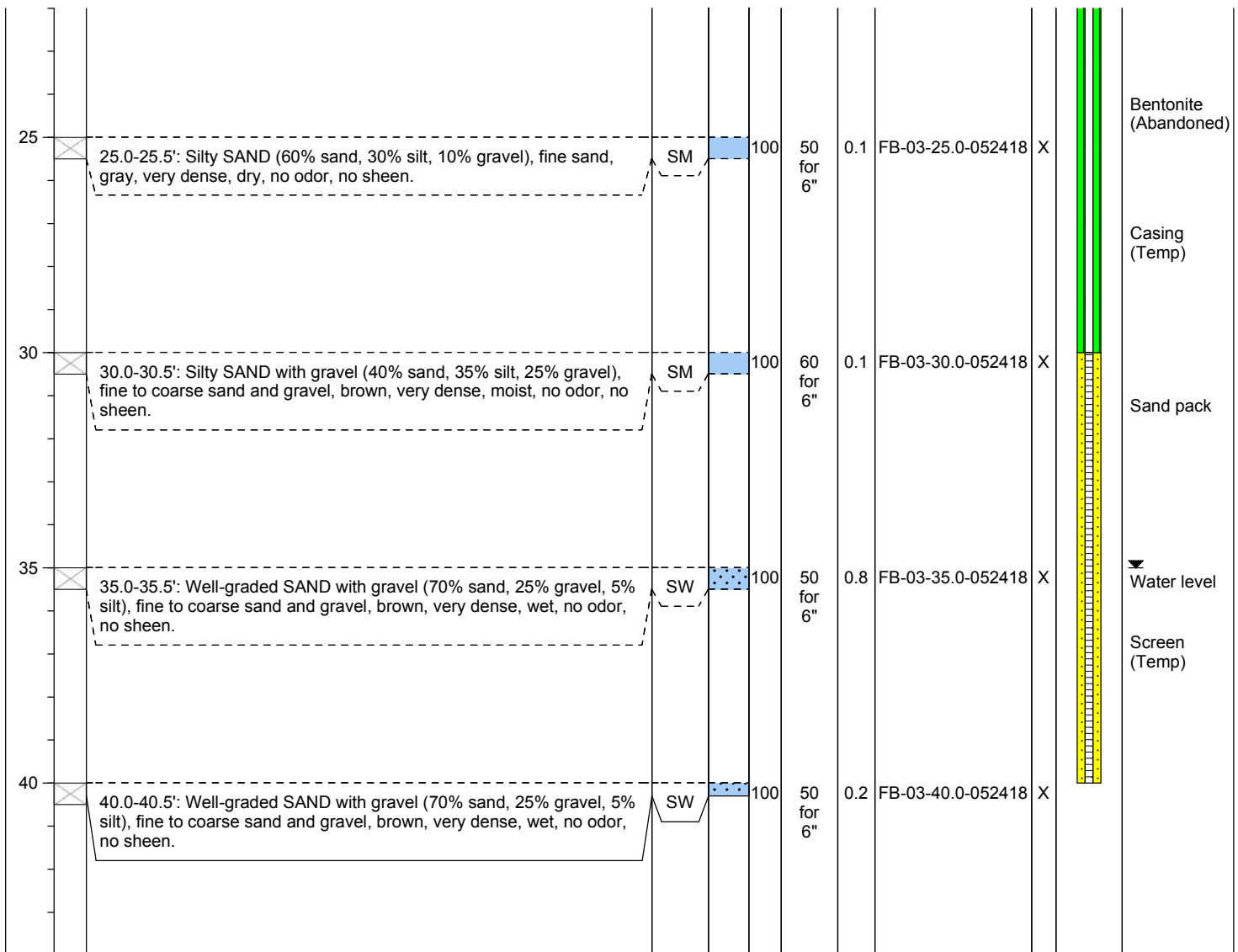
Date/Time Started: 5/23/18 14:45
Date/Time Completed: 5/24/18 16:15
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.0
Total Boring Depth (ft bgs): 40.5
Total Well Depth (ft bgs): 40.0 (Temp)

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: NA	Filter Pack: 10/20 silica sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 30.0-40.0 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-04/FMW-19

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

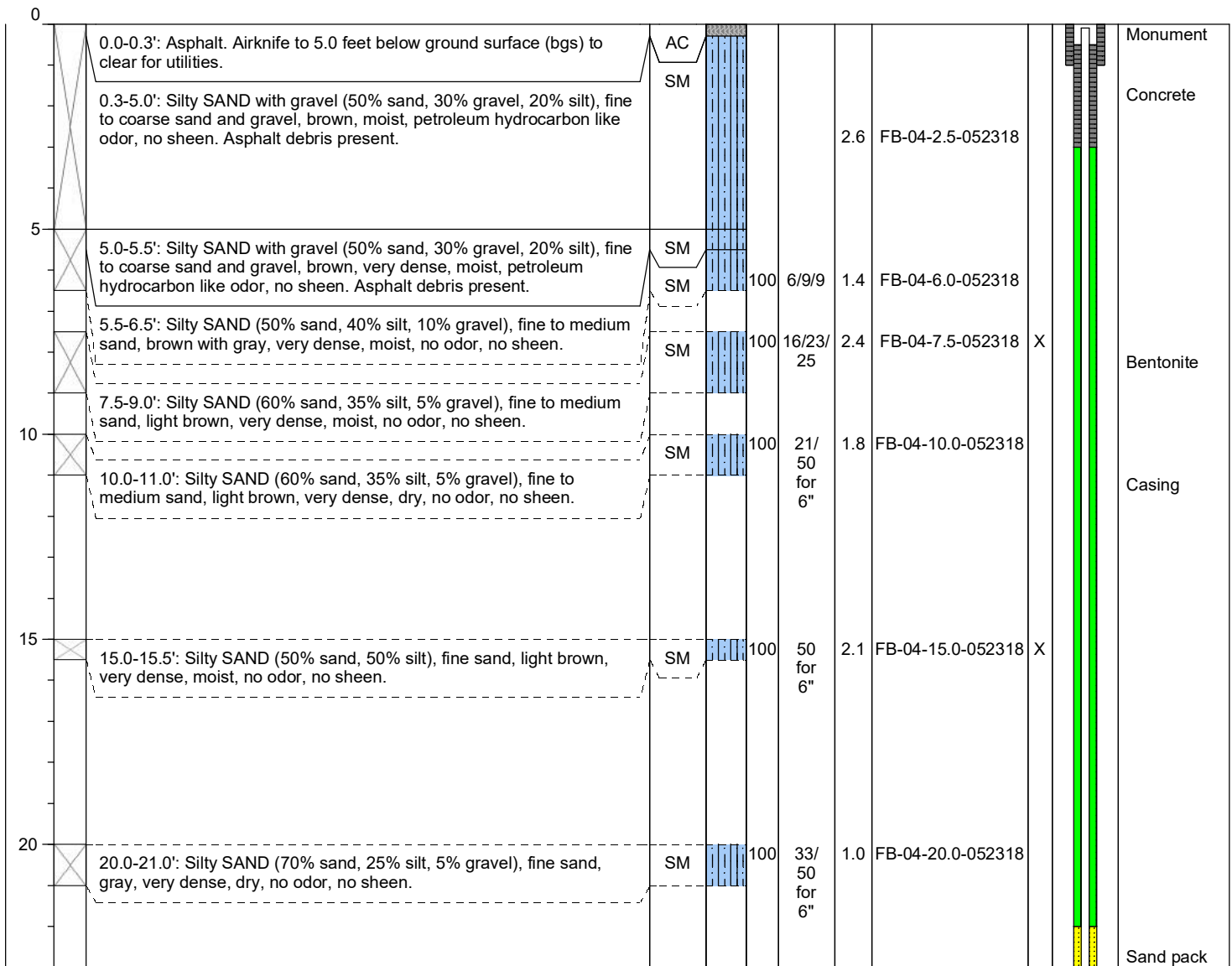
Date/Time Started: 5/23/18 08:20
Date/Time Completed: 5/23/18 11:30
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 40.0
Total Boring Depth (ft bgs): 45.0
Total Well Depth (ft bgs): 45.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 25.0-45.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FB-04/FMW-19

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

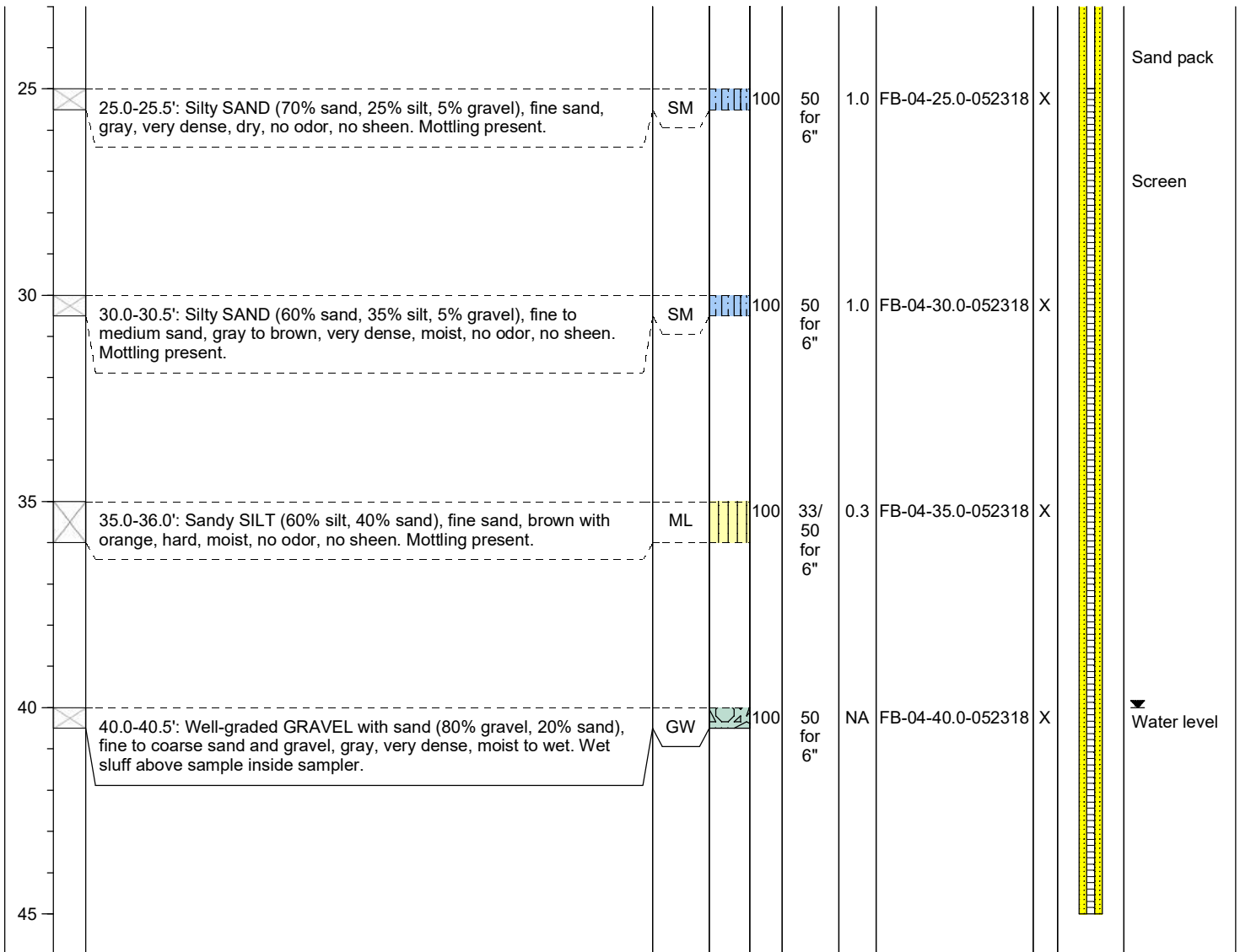
Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 5/23/18 08:20
Date/Time Completed: 5/23/18 11:30
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 40.0
Total Boring Depth (ft bgs): 45.0
Total Well Depth (ft bgs): 45.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 25.0-45.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FB-05

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/23/18 12:30
Date/Time Completed: 5/23/18 14:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 41.0
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.3'	Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Concrete
	0.3-5.0'	Silty SAND (50% sand, 40% silt, 10% gravel), fine to coarse sand, fine gravel, brown, moist, no odor, no sheen.	SM					0.4 FB-05-2.5-052118		
5	5.0-5.5'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, medium dense, moist, no sheen.	SM		33	5/8/9	0.2	FB-05-5.0-052318	X	
10	10.0-11.0'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, very dense, moist, no sheen.	SM		100	18/50 for 6"	0.0	FB-05-10.0-052318	X	Bentonite
15	15.0-15.5'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, very dense, moist to dry, no sheen.	SM		100	50 for 6"	0.4	FB-05-15.0-052318		
20	20.0-20.5'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine gravel, brown, very dense, moist, no odor, no sheen.	SM		100	50 for 6"	0.2	FB-05-20.0-052318	X	

Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-05

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/23/18 12:30
Date/Time Completed: 5/23/18 14:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 41.0
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

25	25.0-25.5'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine gravel, brown, very dense, moist to dry, no odor, no sheen.	SM		100	50 for 6"	0.2	FB-05-25.0-052318		
30	30.0-30.5'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine gravel, brown, very dense, moist, no odor, no sheen.	SM		100	50 for 6"	0.4	FB-05-30.0-052318	X	Bentonite
35	35.0-35.5'	Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine gravel, brown, very dense, moist, slight chemical like odor, no sheen.	SM		100	50 for 6"	0.6	FB-05-35.0-052318	X	
40	40.0-41.0'	Silty SAND (50% sand, 45% silt, 5% gravel), fine to medium sand, fine gravel, brown, petroleum like odor, no sheen.	SM		NA	NA	0.8	FB-05-40.0-052318	X	

Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-06

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

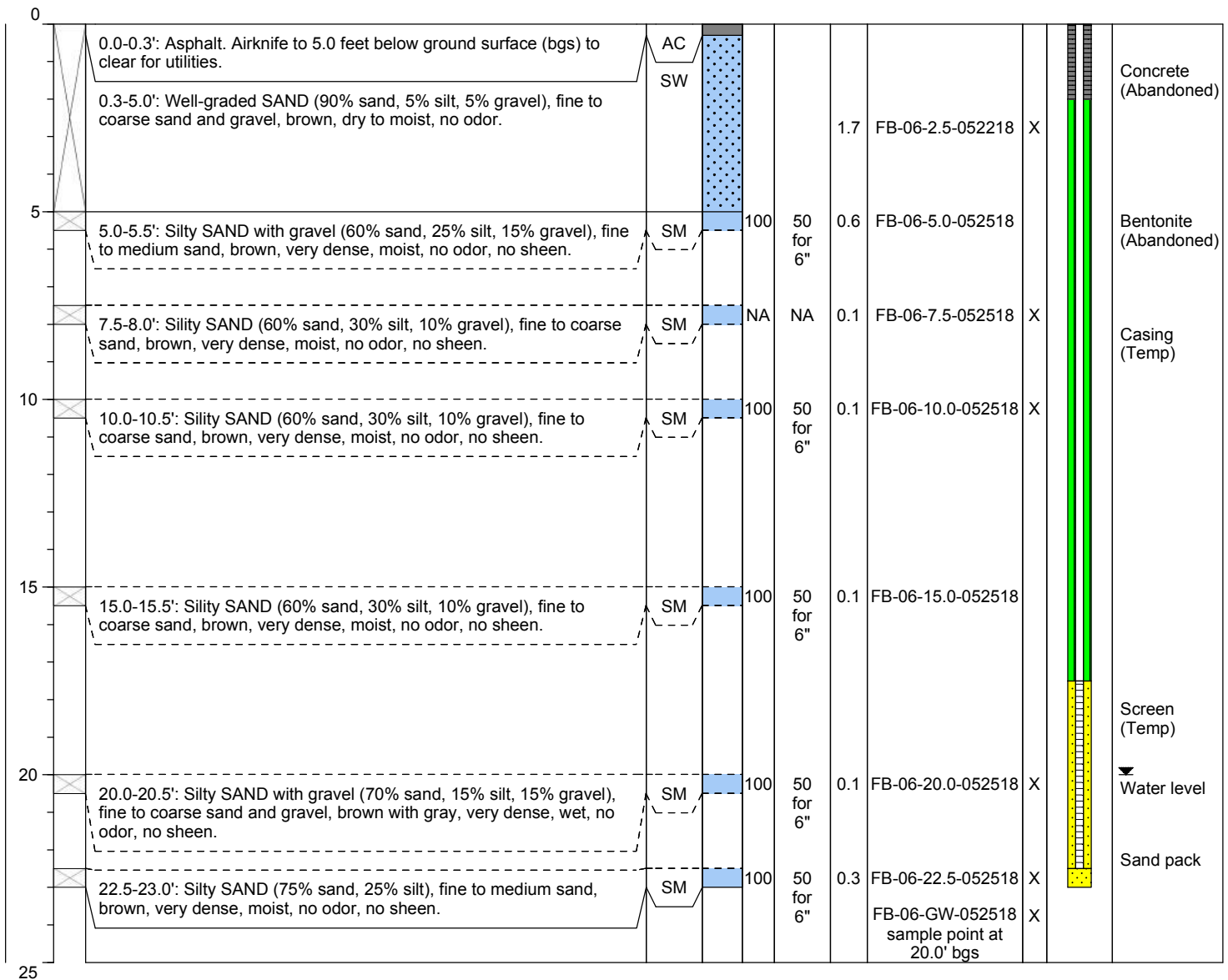
Date/Time Started: 5/25/18 09:40
Date/Time Completed: 5/25/18 12:35
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 20.0
Total Boring Depth (ft bgs): 23.0
Total Well Depth (ft bgs): 22.5 (Temp)

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: NA	Filter Pack: 10/20 silica sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 17.5-22.5 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-07

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/23/18 14:50
Date/Time Completed: 5/23/18 16:10
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.5
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.3'	Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Concrete
	0.3-5.0'	Poorly graded SAND (90% sand, 5% silt, 5% gravel), fine to medium sand, fine gravel, brown, dry, no odor.	SP					1.8	FB-07-2.5-052218	X
5	5.0-5.5'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dense, moist to dry, no odor.	SM		33	9/12 /20	0.9	FB-07-5.0-052318		
	5.5-6.5'	No recovery.								
10	10.0-11.0'	Silty SAND with gravel (50% sand, 35% silt, 15% gravel), fine to coarse sand and gravel, brown, very dense, moist, no odor.	SM		100	20/50 for 6"	0.4	FB-07-10.0-052318		Bentonite
15	15.0-16.0'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, very dense, moist to dry, no sheen.	SM		100	20/50 for 6"	2.2	FB-07-15.0-052318	X	
20	20.0-20.5'	Silty SAND with gravel (50% sand, 35% silt, 15% gravel), fine to coarse sand and gravel, brown, very dense, moist, no odor, no sheen.	SM		100	50 for 6"	0.7	FB-07-20.0-052318		

Well Construction Information

Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-07

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

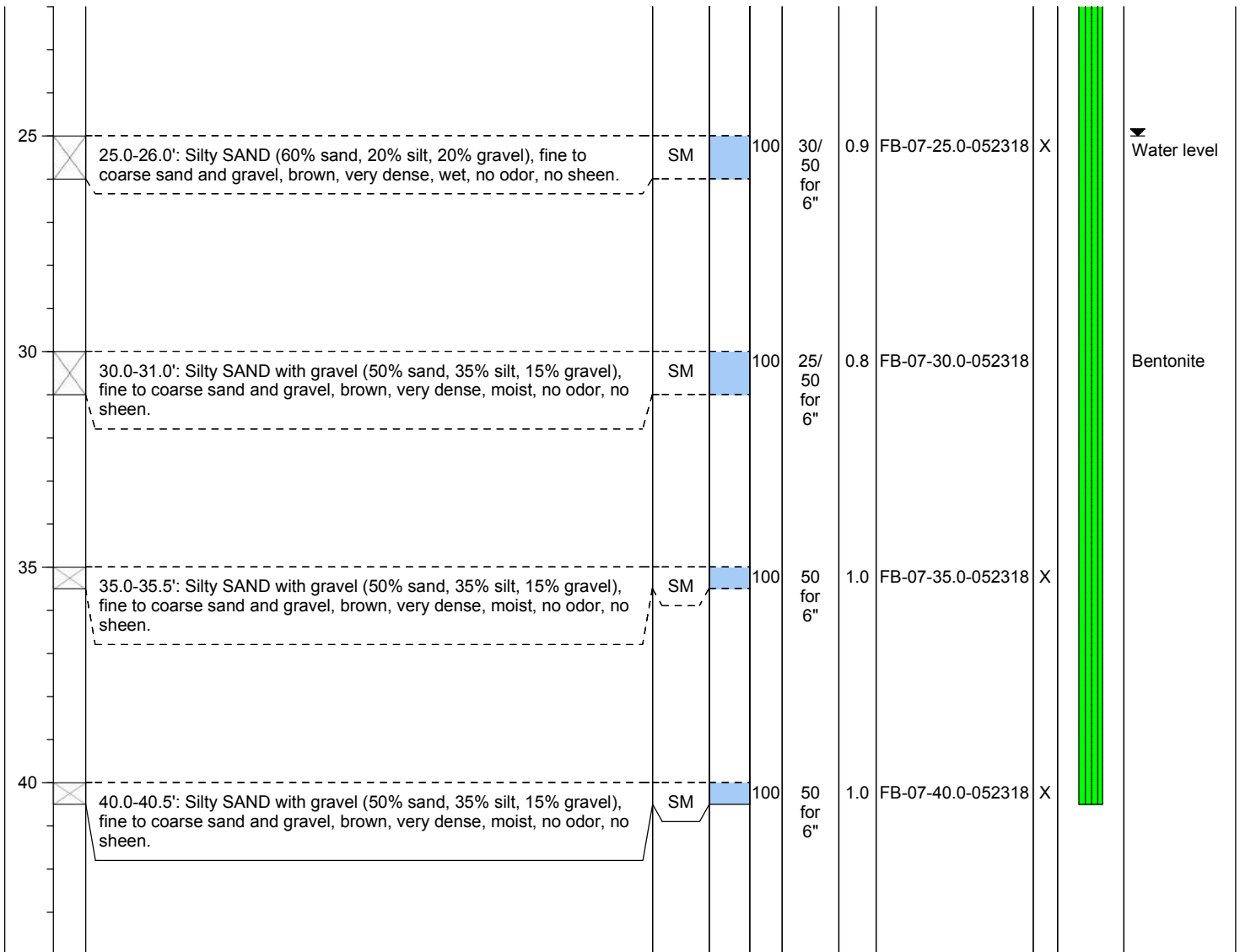
Date/Time Started: 5/23/18 14:50
Date/Time Completed: 5/23/18 16:10
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.5
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA	
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA	



Log of Boring: FB-08

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

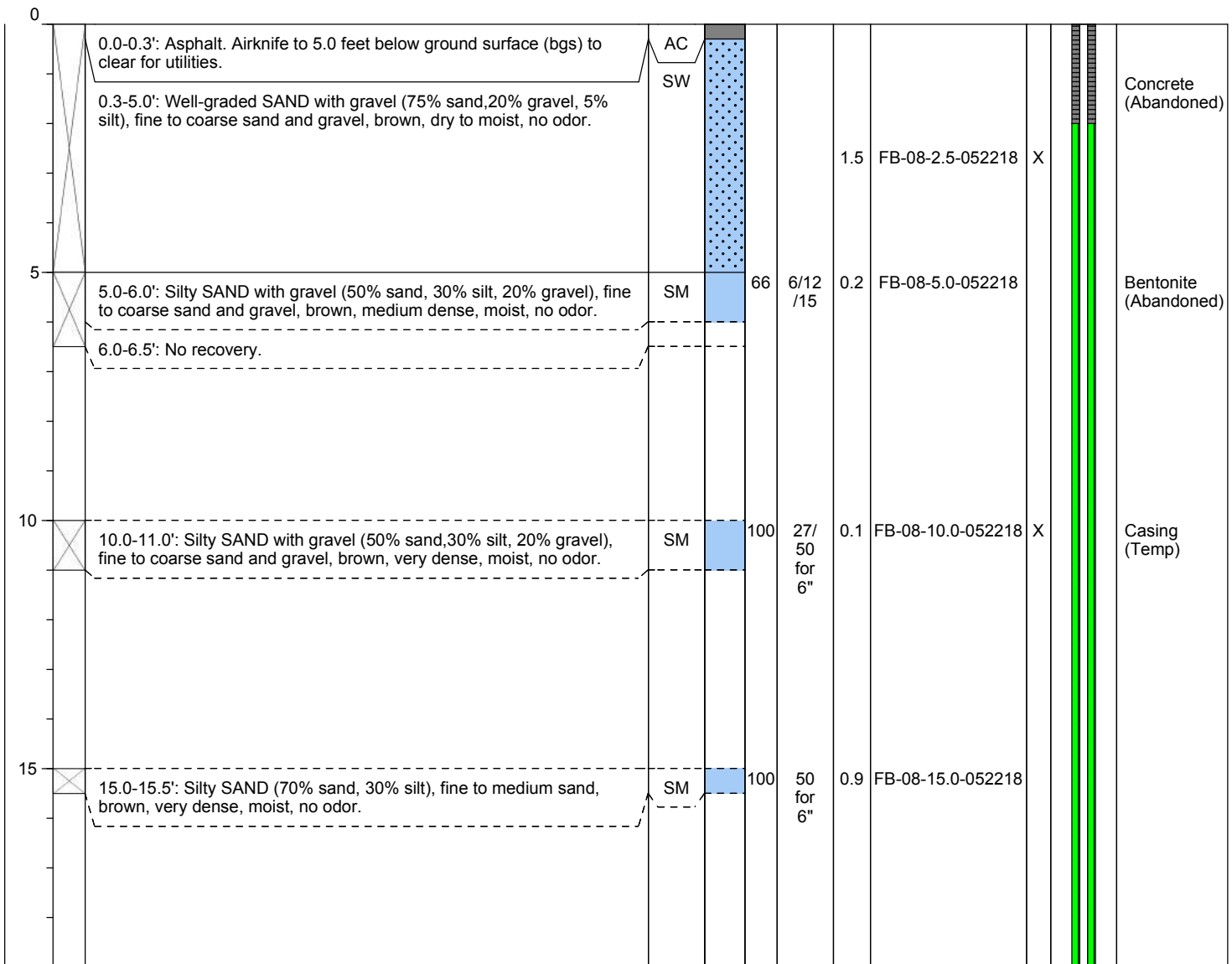
Date/Time Started: 5/22/18 13:43
Date/Time Completed: 5/23/18 08:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 35.0 (Temp)

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: NA	Filter Pack: 10/20 silica sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 30.0-35.0 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-08

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

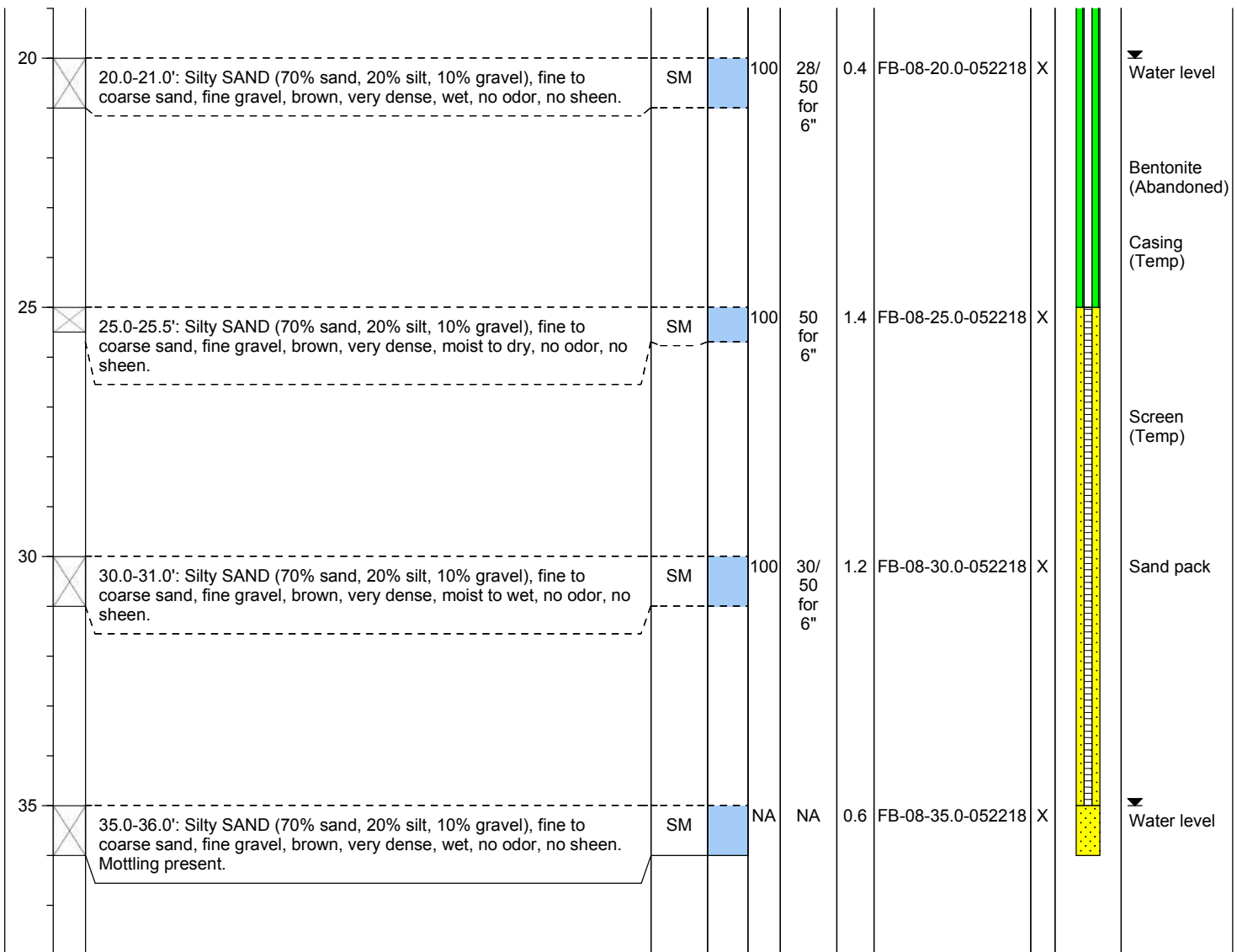
Date/Time Started: 5/22/18 13:43
Date/Time Completed: 5/23/18 08:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 36.0
Total Well Depth (ft bgs): 35.0 (Temp)

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: NA	Filter Pack: 10/20 silica sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: NA	Surveyed Location: X: NA
Screened Interval (ft bgs): 30.0-35.0 (Temp)	Boring Abandonment: Bentonite	Y: NA



Log of Boring: FB-09

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

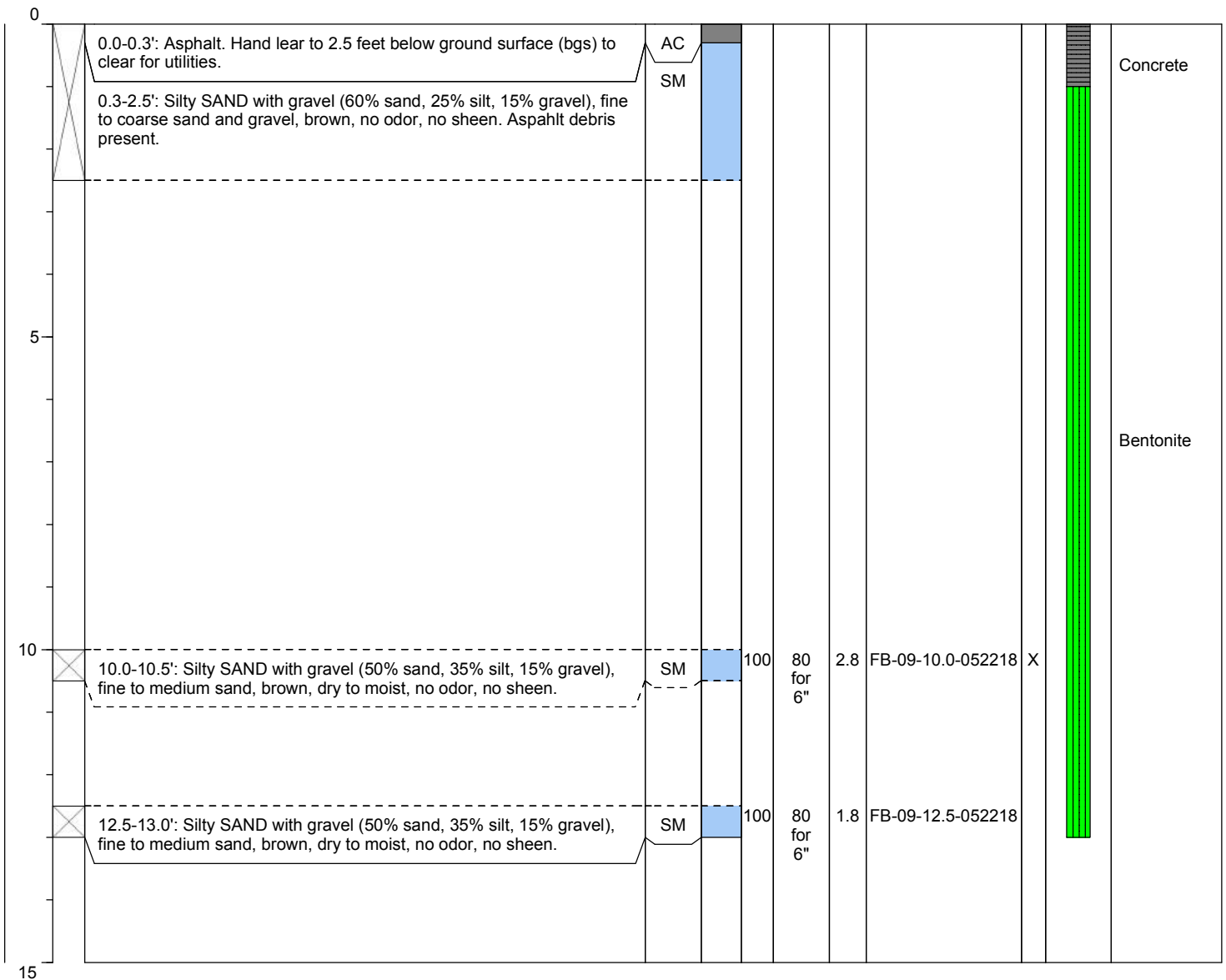
Date/Time Started: 5/22/18 14:45
Date/Time Completed: 5/22/18 16:50
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): NE
Total Boring Depth (ft bgs): 13.0
Total Well Depth (ft bgs): NA

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: NA	Filter Pack: NA	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): NA	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): NA	Annular Seal: NA	Surveyed Location: X: NA	
Screened Interval (ft bgs): NA	Boring Abandonment: Bentonite	Y: NA	



Log of Boring: FMW-04

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

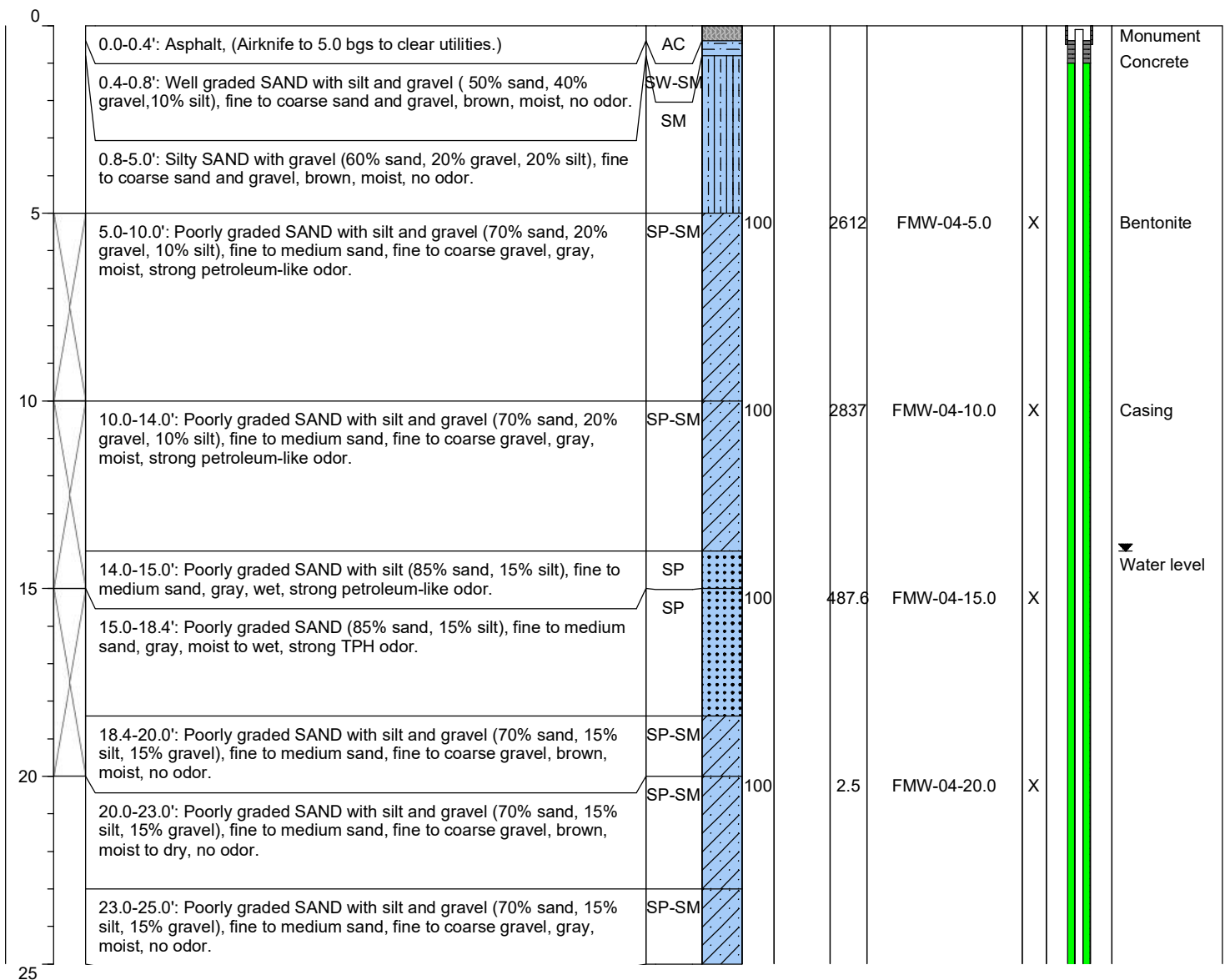
Date/Time Started: 4/09/18 @ 09:13
Date/Time Completed: 4/10/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 14.0, 31.0
Total Boring Depth (ft bgs): 100.0
Total Well Depth (ft bgs): 40.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 30.0-40.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-04

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

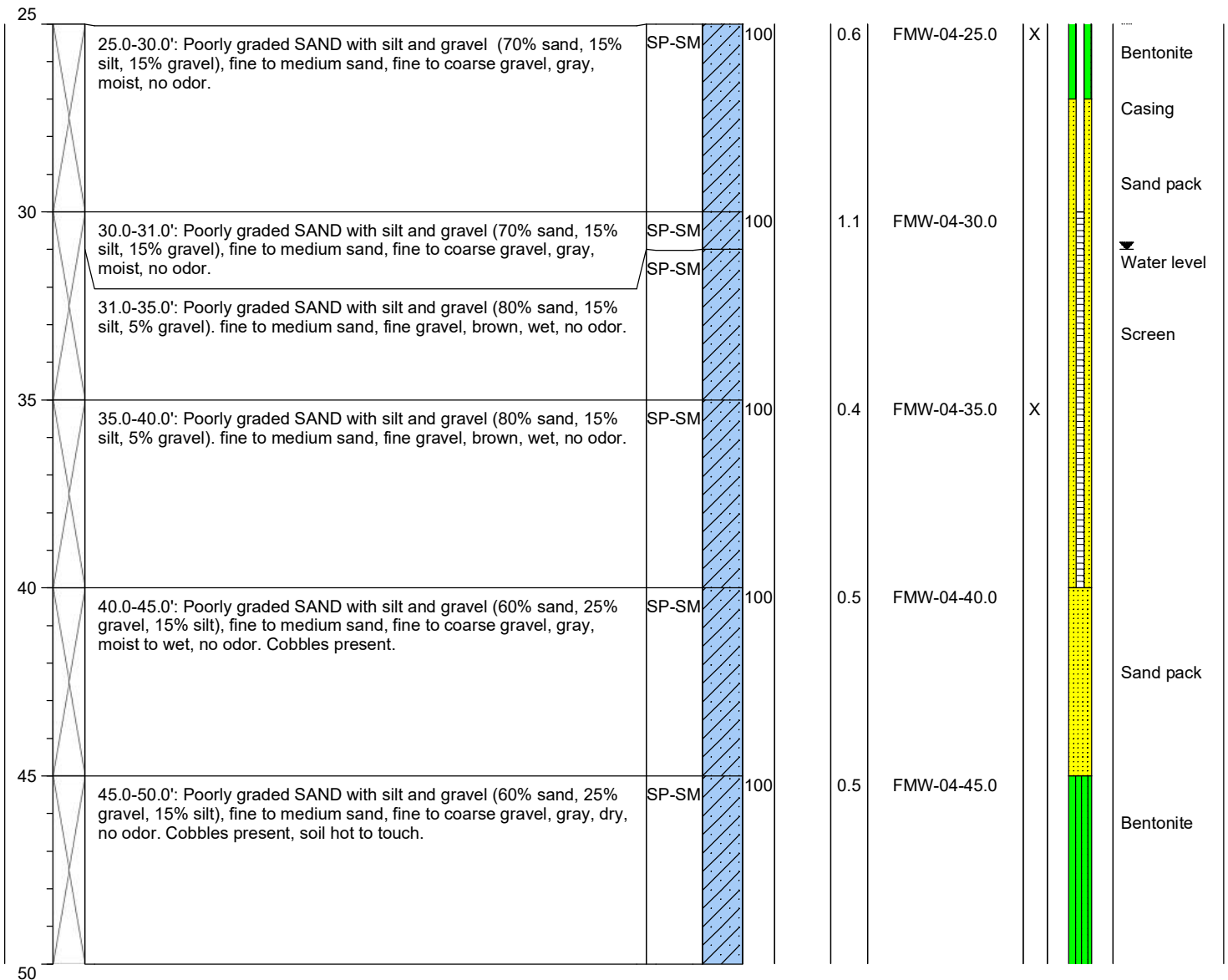
Date/Time Started: 4/09/18 @ 09:13
Date/Time Completed: 4/10/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 14.0, 31.0
Total Boring Depth (ft bgs): 100.0
Total Well Depth (ft bgs): 40.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 30.0-40.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-04

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/09/18 @ 09:13
Date/Time Completed: 4/10/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 14.0, 31.0
Total Boring Depth (ft bgs): 100.0
Total Well Depth (ft bgs): 40.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
50		50.0-55.0': Poorly graded SAND with silt and gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Soil hot to touch.	SP-SM		100		1.4	FMW-04-50.0	X	
55		55.0-60.0': Poorly graded SAND with silt and gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Soil hot to touch.	SP-SM		100		1.4	FMW-04-55.0		Bentonite
60		60.0-65.0': Poorly graded SAND with silt and gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Soil hot to touch.	SP-SM		100		0.3	FMW-04-60.0	X	
65		65.0-70.0': Poorly graded SAND with silt and gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Soil hot to touch.	SP-SM		100		0.9	FMW-04-65.0		
70		70.0-75.0': Poorly graded SAND with silt and gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Soil hot to touch.	SP-SM		100		0.0	FMW-04-70.0	X	
75										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 30.0-40.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-04

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/09/18 @ 09:13
Date/Time Completed: 4/10/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 14.0, 31.0
Total Boring Depth (ft bgs): 100.0
Total Well Depth (ft bgs): 40.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
75		75.0-78.0': Poorly graded SAND with silt and gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Soil hot to touch.	SP-SM		100		0.0	FMW-04-75.0		
		78.0-80.0': Silty SAND (55% sand, 45% silt), fine to medium sand, brown, wet, no odor.	SM							
80		80.0-85.0': Silty SAND (55% sand, 45% silt), fine to medium sand, brown, moist to wet, no odor,	SM		100		19.0	FMW-04-80.0	X	Bentonite
		85.0-90.0': Sandy SILT (85% silt, 15% sand), fine sand, gray, moist to wet, no odor.	ML		100		8.1	FMW-04-85.0	X	
90		90.0-100.0': Sandy SILT (85% silt, 15% sand), fine sand, gray, moist to wet, no odor.	ML		100		0.0	FMW-04-90.0	X	
					100		0.0	FMW-04-95.0		
95										
100										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 30.0-40.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-05

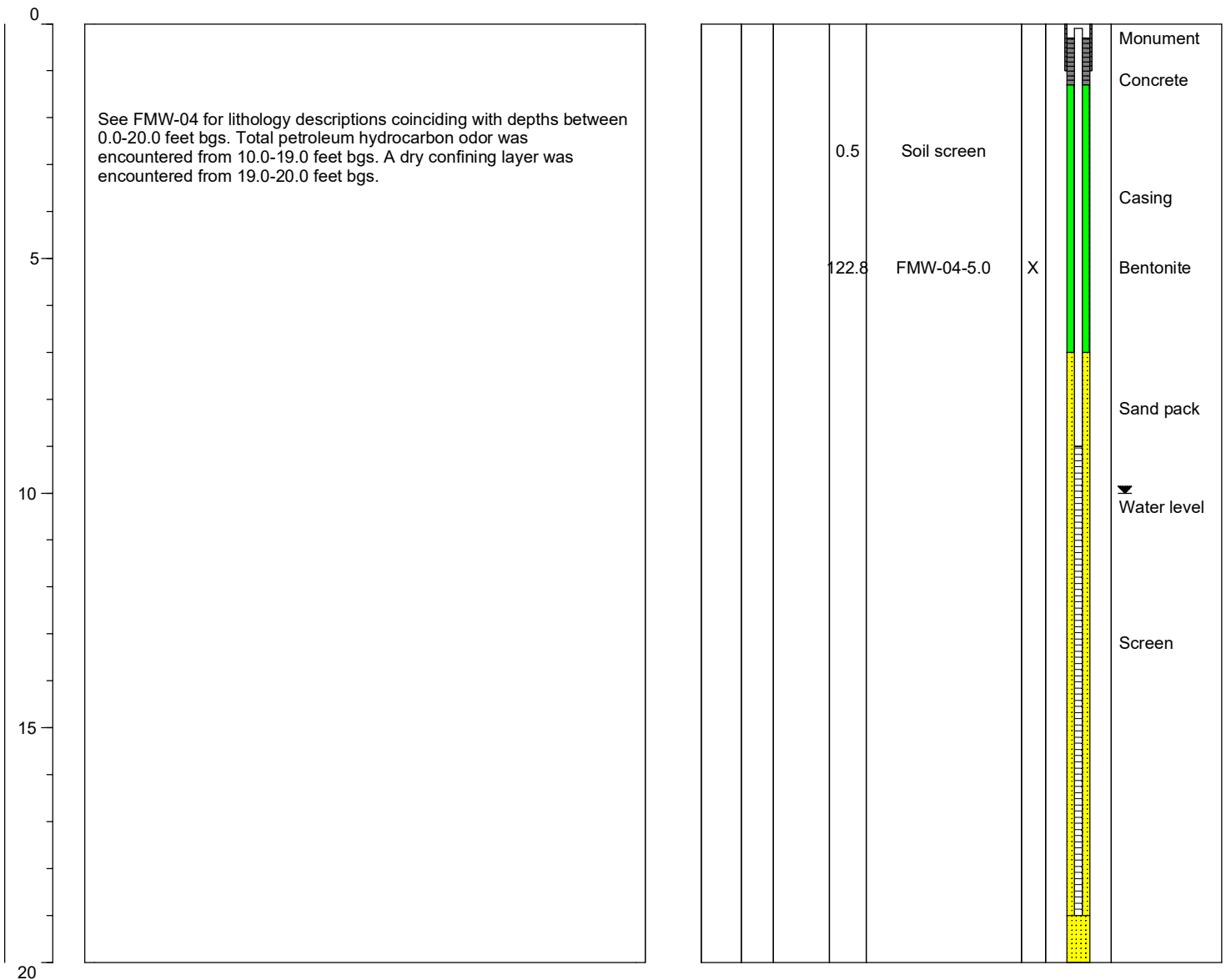
Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/10/2018 @ 14:05 **Sampler Type:** PE Bag
Date/Time Completed: 4/10/2018 @ 17:00 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 10.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 20.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 19.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA
Screened Interval (ft bgs): 9.0-19.0	Boring Abandonment: NA	Y: NA



Log of Boring: FMW-06

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

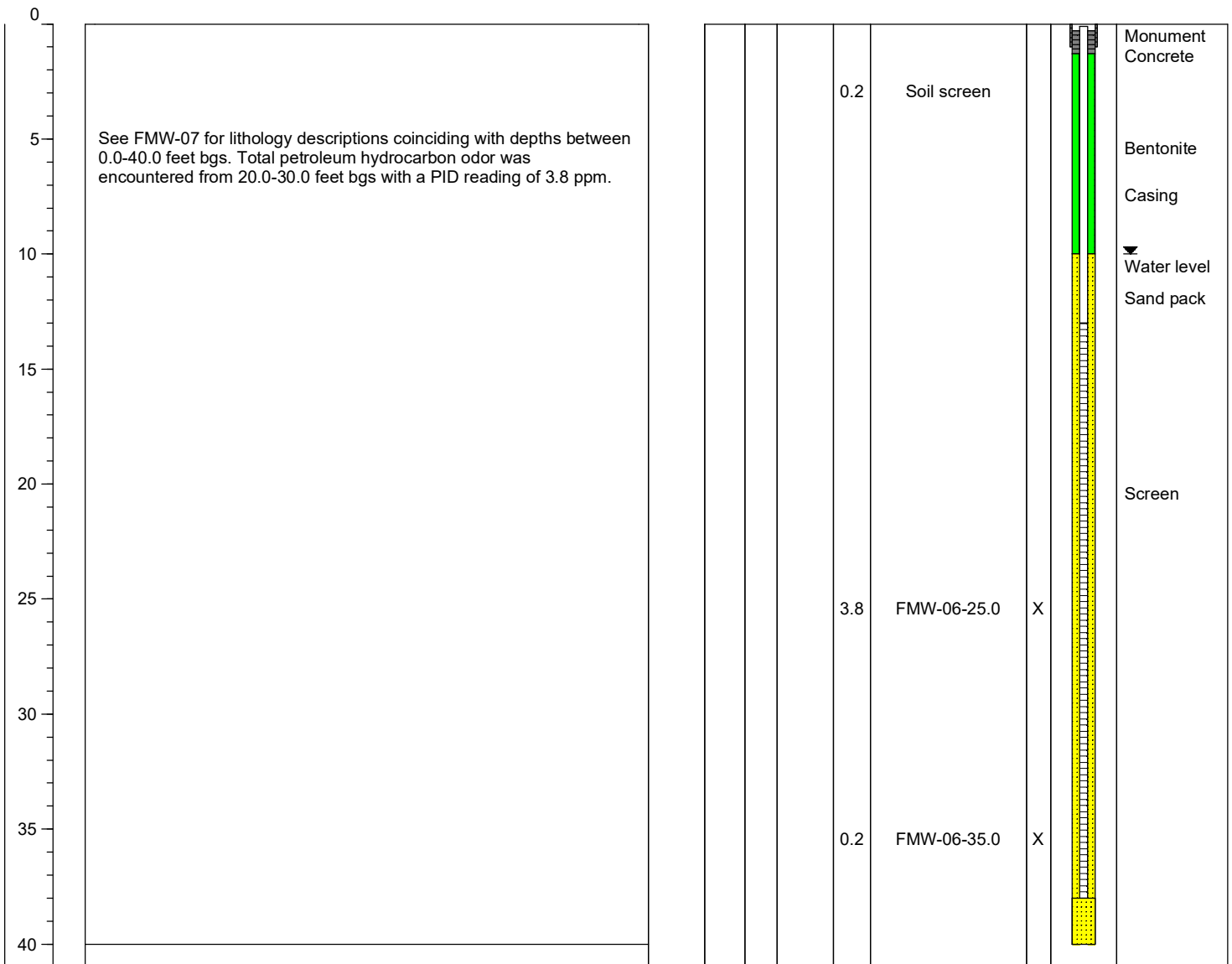
Date/Time Started: 4/13/2018 @ 12:30
Date/Time Completed: 4/13/2018 @ 16:00
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 10.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 38.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush Mount	Filter Pack: 10/20 Silica Sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 13.0-38.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-07

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/12/2018 @ 12:55
Date/Time Completed: 4/13/2018 @ 12:00
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 27.0, 82.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 90.

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

0	0.0-0.3'	Asphalt. Airknife to 5.0 feet bgs to clear for utilities.	AC							Monument Concrete
	0.3-5.0'	Silty SAND with gravel (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, brown, moist, no odor. Cobbles and organics present.	SM				0.3	Soil Screen		
5	5.0-10.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, light brown, moist, no odor.	SM		100		0.4	FMW-07-5.0	X	Bentonite
10	10.0-15.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, light brown, moist to wet, no odor.	SM		100		0.0	FMW-07-10.0	X	Casing
15	15.0-16.5'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, light brown, moist, no odor.	SM		100		0.2	FMW-07-15.0	X	
	16.5-20.0'	Silty SAND with gravel (65% sand, 20% gravel, 15% silt), fine to medium sand, gray, moist, no odor.	SM							
20	20.0-25.0'	Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown to gray, moist, no odor. Cobbles present.	SM		100		0.3	FMW-07-20.0	X	
25										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 90.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-07

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/12/2018 @ 12:55
Date/Time Completed: 4/13/2018 @ 12:00
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 27.0, 82.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 90.

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25	25.0-27.0'	Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown to gray, moist, no odor. Cobbles present.	SM		100	1.8	FMW-07-25.0			
	27.0-30.0'	Poorly graded SAND with silt (70% sand, 20% silt, 10% gravel), fine to medium sand, gray, moist to wet, no odor.	SP-SM							Water level
30	30.0-32.0'	Well-graded SAND with silt (80% sand, 10% silt, 10% gravel), fine to coarse sand and gravel, gray to brown, moist to wet, no odor.	SW-SM		100	2.6	FMW-07-30.0	X		Bentonite
	32.0-35.0'	Silty SAND (70% sand, 25% silt, 5% gravel), fine to coarse sand, moist to wet, brown, no odor. Mottling present.	SM			1.0	FMW-07-33.0	X		
35	35.0-38.0'	Silty SAND (70% sand, 25% silt, 5% gravel), fine to coarse sand, moist to wet, brown, no odor. Mottling present.	SM		100					
	38.0-39.0'	Silty SAND (60% sand, 35% silt, 5% gravel), fine sand, brown, dry, no odor.	SM			0.3	FMW-07-38.0	X		
40	39.0-40.0'	Silty SAND with gravel (50% sand, 35% silt, 15% gravel), fine sand, dry to moist, no odor.	SM		100					Casing
	40.0-45.0'	Silty SAND with gravel (50% sand, 35% silt, 15% gravel), fine sand, dry to moist, no odor.	SM							
45	45.0-48.0'	Silty SAND with gravel (50% sand, 35% silt, 15% gravel), fine sand, dry to moist, no odor.	SM		100	5.3	FMW-07-45.0	X		
50	48.0-50.0'	Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown to gray, moist to dry, no odor. Cobbles present. Soil hot to the touch.	SM							

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 90.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-07

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 4/12/2018 @ 12:55
Date/Time Completed: 4/13/2018 @ 12:00
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 27.0, 82.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 90.

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
50		50.0-55.0': Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to medium sand, fine to coarse gravel, dark brown to gray, moist to dry, no odor. Cobbles present. Soil hot to the touch.	SM		100	1.5	FMW-07-50.0	X		
55		55.0-60.0': Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to coarse sand and gravel, dry, brown, no odor. Cobbles present. Drilling advancement slows due to dense soil conditions. Soil hot to the touch.	SM		100	0.4	FMW-07-55.0			Bentonite
60		60.0-65.0': Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to coarse sand and gravel, dry, brown, no odor. Cobbles present. Soil hot to the touch.	SM		100	0.2	FMW-07-60.0	X		
65		65.0-70.0': Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to coarse sand and gravel, dry, brown, no odor. Cobbles present. Soil hot to the touch.	SM		100	1.1	FMW-07-65.0			Casing
70		70.0-75.0': Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to coarse sand and gravel, dry, brown, no odor. Cobbles present.	SM		100	2.6	FMW-07-70.0	X		
75										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 90.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-07

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/12/2018 @ 12:55
Date/Time Completed: 4/13/2018 @ 12:00
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 27.0, 82.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 90.

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
75										
75.0-80.0		Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to coarse sand and gravel, dry, brown, no odor. Cobbles present.	SM		100		0.4	FMW-07-75.0		Bentonite Casing
80.0-82.0		Silty SAND with gravel (50% sand, 35% gravel, 15% silt), fine to coarse sand and gravel, dry, brown, no odor. Cobbles present. Drilling advancement increases due to less dense materials.	SM		100		0.4	FMW-07-80.0	X	Sand pack
82.0-85.0		Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.	SM		100					Water level
85.0-90.0		Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.	SM		100		2.0	FMW-07-85.0		Screen
90.0-90.5		Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.	SM		100		3.4	FMW-07-90.0	X	
90.5-95.0		SILT (90% silt, 10% sand), fine sand, gray, moist to wet, no odor.	ML		100					Bentonite
95.0-95.5					100		0.5	FMW-07-95.0	X	
100										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 90.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-08

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

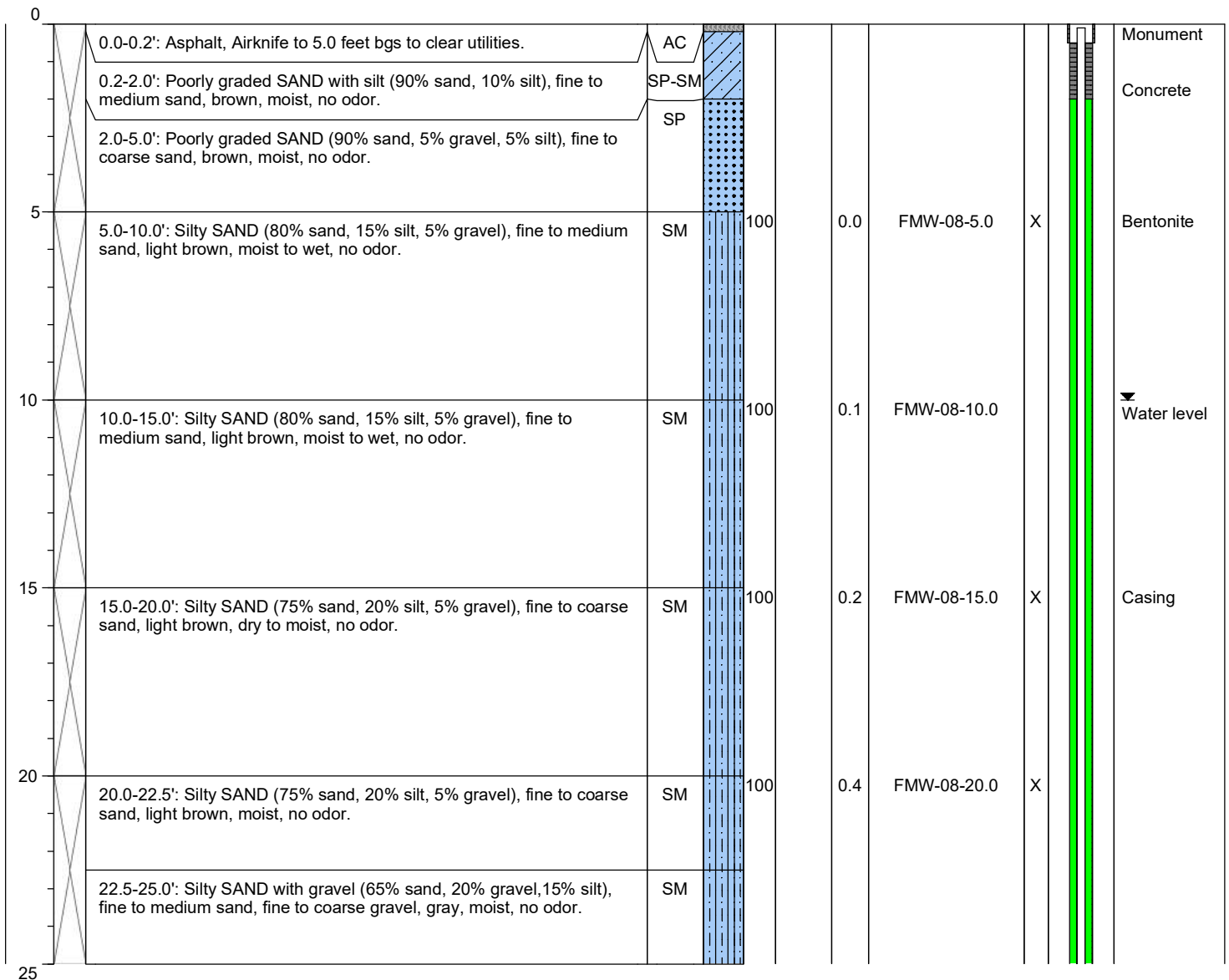
Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 04/16/18 @ 08:30
Date/Time Completed: 4/16/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 10.0, 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 86.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 76.0-86.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-08

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 04/16/18 @ 08:30
Date/Time Completed: 4/16/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 10.0, 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 86.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-30.0': Silty SAND with gravel (65% sand, 20% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, dry to moist, no odor.	SM		100		0.4	FMW-08-25.0		
30		30.0-33.0': Silty SAND with gravel (65% sand, 20% gravel, 15% silt), fine to medium sand, fine to coarse gravel, gray, moist to wet, no odor.	SM		100		2.2	FMW-08-30.0	X	Bentonite
		33.0-35.0': Silty SAND with gravel (55% sand, 25% silt, 20% gravel), fine to medium, fine to coarse gravel, gray, dry to moist, no odor. Drilling advancement slowed due soil conditions.	SM				1.8	FMW-08-33.0	X	
35		35.0-40.0': Silty SAND with gravel (55% sand, 25% silt, 20% gravel), fine to medium, fine to coarse gravel, gray, dry, no odor.	SM		100					
40		40.0-44.0': Silty SAND with gravel (55% sand, 25% silt, 20% gravel), fine to medium sand, fine to coarse gravel, gray, dry, no odor. Drilling advancement slowed due soil conditions.	SM		100		0.7	FMW-08-40.0	X	Casing
45		44.0-45.0': Well graded SAND with silt and gravel (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, dry to moist, brown, no odor. Cobbles present.	SW-SM		100		0.6	FMW-08-45.0		
		45.0-50.0': Well graded SAND with silt and gravel (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, dry to moist, brown, no odor. Cobbles present.	SW-SM		100					
50										

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 76.0-86.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-08

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 04/16/18 @ 08:30
Date/Time Completed: 4/16/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 10.0, 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 86.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
50		50.0-55.0': Well graded SAND with silt and gravel (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, dry to moist, brown, no odor.	SW-SM		100		0.7	FMW-08-50.0	X	
55		55.0-60.0': Well graded SAND with silt and gravel (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, dry to moist, brown, no odor.	SW-SM		100		0.1	FMW-08-55.0		Bentonite
60		60.0-65.0': Well graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, dark brown, moist, no odor. Cobbles present.	SW-SM		100		0.7	FMW-08-60.0	X	
65		65.0-70.0': Well graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, dark brown, dry to moist, no odor. Cobbles present.	SW-SM		100		0.4	FMW-08-65.0		Casing
70		70.0-75.0': Well graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, dark brown, dry to moist, no odor. Cobbles present.	SW-SM		100		0.1	FMW-08-70.0	X	
75										

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 76.0-86.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-08

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

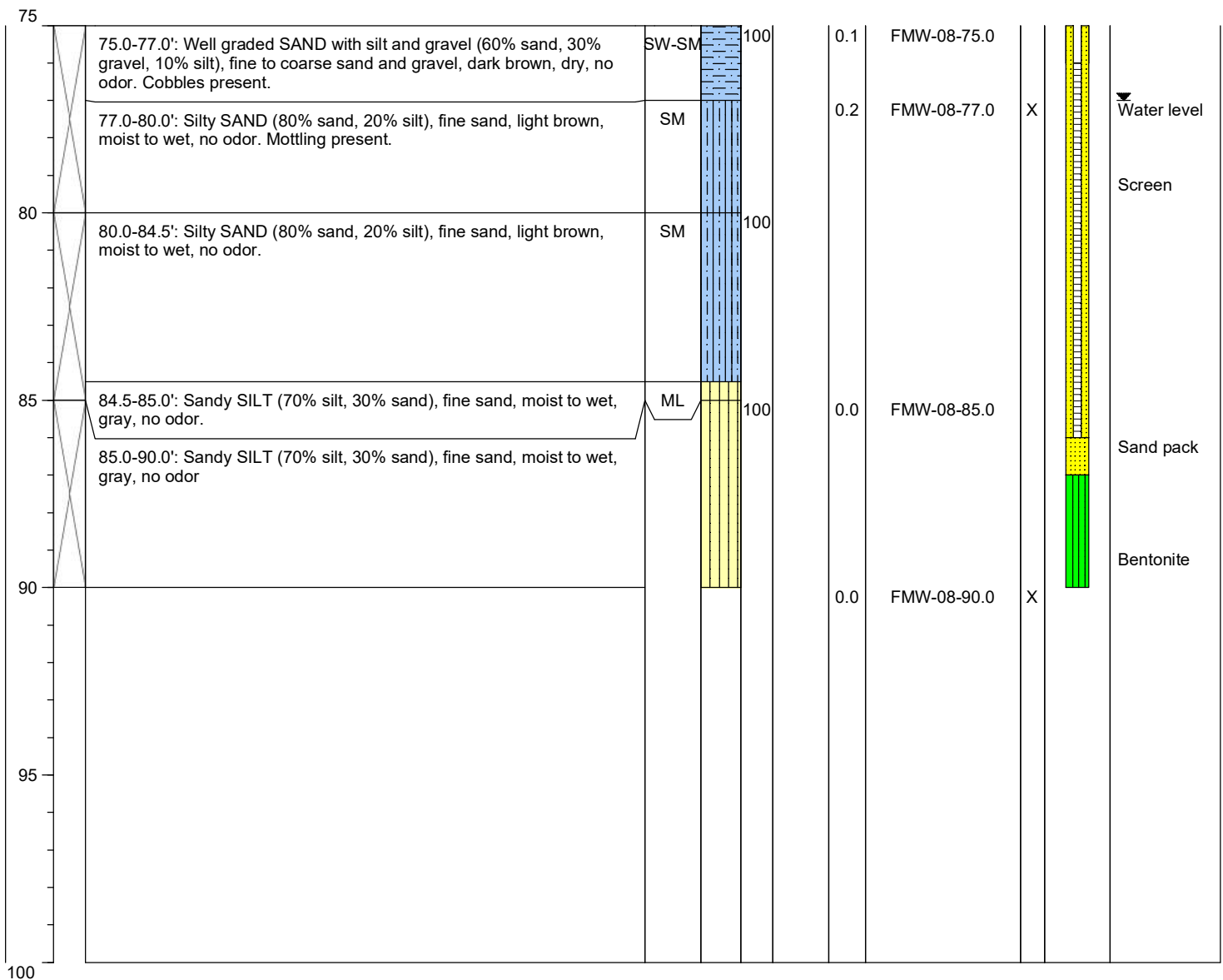
Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 04/16/18 @ 08:30
Date/Time Completed: 4/16/18 @ 14:10
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 10.0, 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 86.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 76.0-86.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-09

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/17/2018 @ 14:30
Date/Time Completed: 4/18/2018 @ 12:15
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 30.0, 73.0
Total Boring Depth (ft bgs): 95.0
Total Well Depth (ft bgs): 90.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

0	0.0-0.4'	Asphalt. Airknife to 5.0 feet bgs to clear utilities.	AC							Monument	
	0.4-0.9'	Well graded GRAVEL with sand (50% gravel, 50% sand), fine to coarse sand and gravel, brown, moist, no odor. No sheen.	GW							Concrete	
	0.9-5.0'	Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor. No sheen. Cobbles present.	SP-SM					0.0	Soil Screen		
5	5.0-10.0'	Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, light brown, moist to wet, no odor.	SM		100			0.0	FMW-09-5.0	X	Bentonite
10	10.0-15.0'	Silty SAND (85% sand, 10% silt, 5% gravel), fine to coarse sand, light brown, moist, no odor.	SM		100			0.2	FMW-09-10.0	X	
15	15.0-20.0'	Silty SAND (85% sand, 10% silt, 5% gravel), fine to coarse sand, light brown, moist, no odor.	SM		100			0.5	FMW-09-15.0	X	Casing
20	20.0-25.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand and gravel, light brown to gray, moist, no odor.	SM		100			0.2	FMW-09-20.0	X	
25											

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 75.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-09

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/17/2018 @ 14:30 **Sampler Type:** PE Bag
Date/Time Completed: 4/18/2018 @ 12:15 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 30.0, 73.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 95.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 90.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-30.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand and gravel, light brown to gray, moist, no odor.	SM		100		3.3	FMW-09-25.0	X	
30		30.0-35.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand and gravel, light brown to gray, moist to wet, no odor.	SM		100		0.6	FMW-09-30.0	X	
35		35.0-40.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand and gravel, light brown to gray, moist to wet, no odor.	SM		100		0.6	FMW-09-35.0		
40		40.0-45.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand and gravel, light brown to gray, moist to dry, no odor.	SM		100		0.5	FMW-09-40.0	X	
45		45.0-50.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to coarse sand and gravel, light brown to gray, dry to moist, no odor.	SM		100		1.0	FMW-09-45.0		
50										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 75.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-09

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/17/2018 @ 14:30 **Sampler Type:** PE Bag
Date/Time Completed: 4/18/2018 @ 12:15 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 30.0, 73.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 95.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 90.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
50		50.0-55.0': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), find to coarse sand and gravel, gray, moist, no odor.	SM		100		1.5	FMW-09-50.0	X	
55		55.0-60.0': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), find to coarse sand and gravel, gray, moist, no odor.	SM		100		0.3	FMW-09-55.0		Bentonite
60		60.0-62.0': Silty SAND with gravel (60% sand, 25% silt, 15% gravel), find to coarse sand and gravel, gray, moist, no odor.	SM		100		1.2	FMW-09-60.0	X	
		62.0-65.0': Well graded GRAVEL with sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray to brown, moist, no odor.	GW		100					
65		65.0-70.0': Well graded GRAVEL with sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray to brown, moist, no odor.	GW		100		0.3	FMW-09-65.0		Casing
70		70.0-73.0': Well graded GRAVEL with sand (60% gravel, 30% sand, 10% silt), fine to coarse sand and gravel, gray to brown, moist, no odor. Possible slough.	GW		100		0.2	FMW-09-70.0	X	
		73.0-75.0': Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.	SM							Water level Sand pack
75										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 75.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-09

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/17/2018 @ 14:30 **Sampler Type:** PE Bag
Date/Time Completed: 4/18/2018 @ 12:15 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 30.0, 73.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 95.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 90.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
75		75.0-80.0: Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.					7.8	FMW-09-75.0	X	Casing
80		80.0-85.0: Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.	SM		100		2.6	FMW-09-80.0	X	Screen
85		85.0-90.0: Silty SAND (80% sand, 20% silt), fine sand, brown, moist to wet, no odor.	SM		100		0.8	FMW-09-85.0	X	Sand pack
90		90.0-95.0: Silty SAND (60% sand, 40% silt), veryfine to fine sand, gray, moist, no odor.	SM		100		0.3	FMW-09-90.0	X	Bentonite
95							0.3	FMW-09-95.0	X	
100										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 75.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-10

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/17/2018 @ 08:25
Date/Time Completed: 4/17/2018 @ 13:05
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 40.0, 74.0
Total Boring Depth (ft bgs): 85.0
Total Well Depth (ft bgs): 85.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

0	0.0-0.2'	Landscaping bark. Airknife to 5.0 feet bgs to clear for utilities.	WD							Monument Concrete
	0.0-5.0'	Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SP-SM					0.0	Soil Screen	
5	5.0-10.0'	Silty SAND (85% sand, 15% silt), fine to medium sand, light brown, moist, no odor.	SM		100		0.0	FMW-10-5.0	X	Bentonite
10	10.0-15.0'	Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, light brown, moist, no odor.	SM		100		0.0	FMW-10-10.0	X	Casing
15	15.0-16.0'	Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, light brown, moist, no odor.	SM		100		0.2	FMW-10-15.0		
	16.0-20.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist, no odor. Mottling present.	SM							
20	20.0-25.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		0.2	FMW-10-20.0	X	
25										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 70.0-85.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-10

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 4/17/2018 @ 08:25 **Sampler Type:** PE Bag
Date/Time Completed: 4/17/2018 @ 13:05 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 40.0, 74.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 85.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 85.0
Drilling Method: Sonic

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25	25.0-30.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		0.1	FMW-10-25.0		
							0.3	FMW-10-28.0	X	
30	30.0-35.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100					Bentonite
35	35.0-40.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		0.1	FMW-10-35.0	X	Casing
40	40.0-45.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist to wet, no odor.	SM		100		0.4	FMW-10-40.0	X	Water level
45	45.0-46.0'	Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		0.2	FMW-10-45.0	X	
	46.0-50.0'	Sandy SILT with gravel (50% silt, 30% sand, 20% gravel), fine to medium sand, fine to coarse gravel, gray to brown, moist to dry, no odor.	ML				0.3	FMW-10-46.0		
50										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 70.0-85.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-10

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

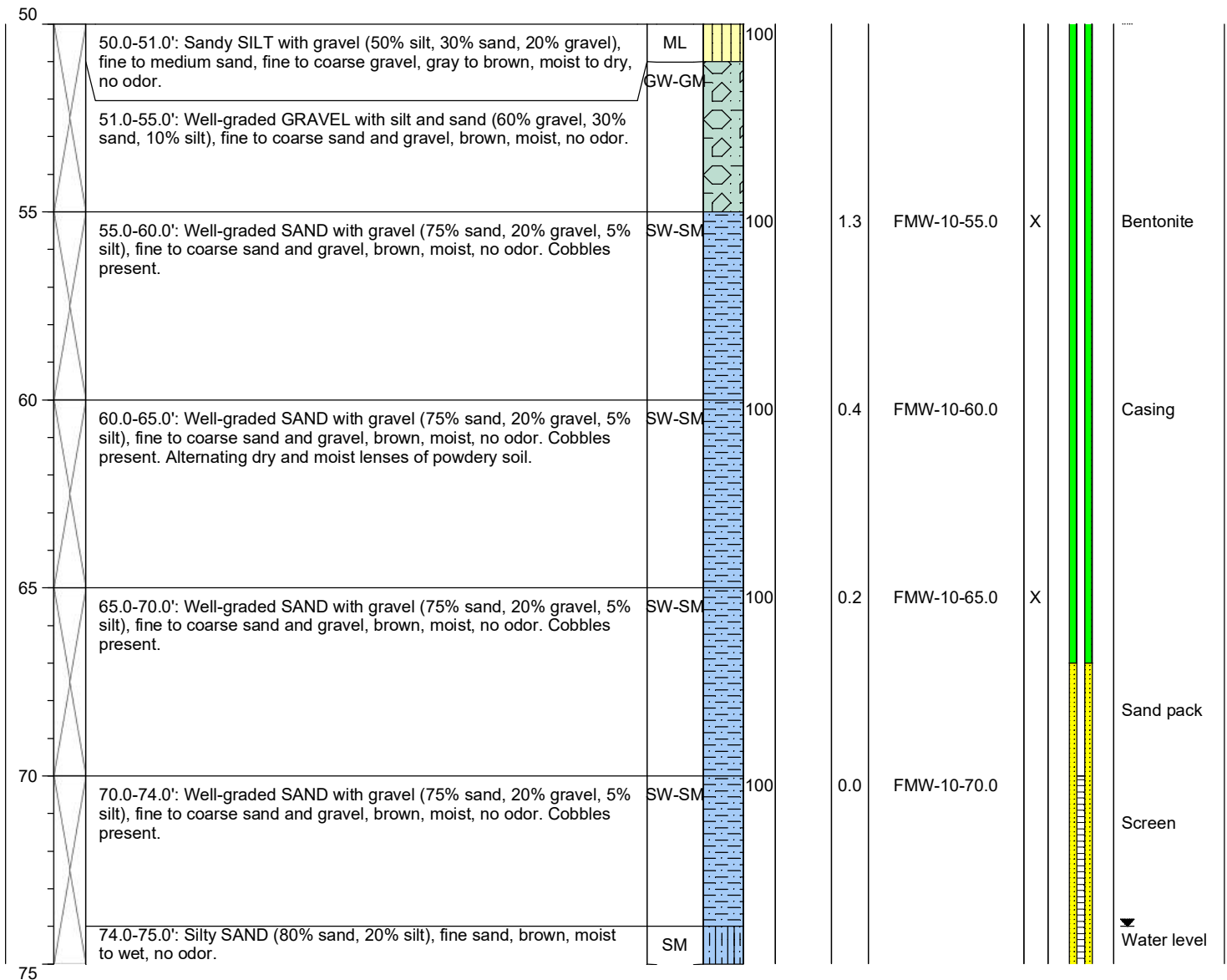
Date/Time Started: 4/17/2018 @ 08:25
Date/Time Completed: 4/17/2018 @ 13:05
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 40.0, 74.0
Total Boring Depth (ft bgs): 85.0
Total Well Depth (ft bgs): 85.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 70.0-85.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-10

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

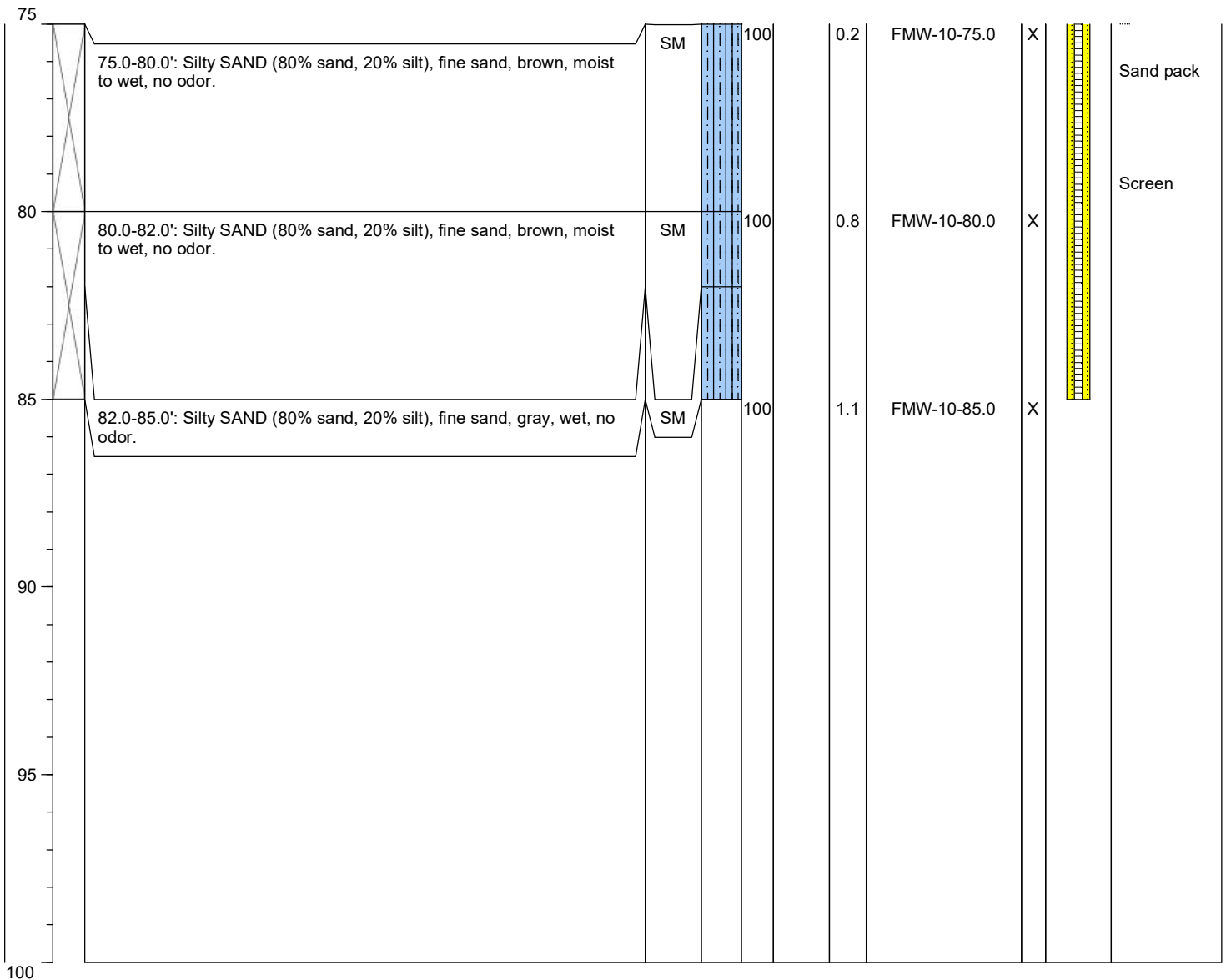
Date/Time Started: 4/17/2018 @ 08:25
Date/Time Completed: 4/17/2018 @ 13:05
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 40.0, 74.0
Total Boring Depth (ft bgs): 85.0
Total Well Depth (ft bgs): 85.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 70.0-85.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-11

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 04/18/2018 @ 14:00 **Sampler Type:** PE Bag
Date/Time Completed: 04/19/2018 @ 11:50 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 32.0, 82.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 100.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 93.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

0	0.0-0.5'	Asphalt. Airknife to 5 feet bgs to clear for utilities.	AC							Monument
	0.5-1.0'	Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, brown, moist, no odor.	SM							Concrete
	1.0-1.5'	Asphalt.	AC				6.1	Soil Screen		
	5.0-5.0'	Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, brown, moist, no odor.	SM							
5	5.0-10.0'	Silty SAND (75% sand, 15% silt, 10% gravel), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		0.2	FMW-11-5.0	X	Bentonite
10	10.0-15.0'	Silty SAND (75% sand, 15% silt, 10% gravel), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		0.4	FMW-11-10.0		
15	15.0-20.0'	Silty SAND (75% sand, 15% silt, 10% gravel), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		1.3	FMW-11-15.0	X	Casing
20	20.0-22.5'	Silty SAND (75% sand, 15% silt, 10% gravel), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		1.2	FMW-11-20.0		
25	22.5-25.0'	Sandy SILT (70% silt, 30% sand), fine sand, dark gray, dry, no odor.	SM							

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 83.0-93.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-11

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 04/18/2018 @ 14:00 **Sampler Type:** PE Bag
Date/Time Completed: 04/19/2018 @ 11:50 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 32.0, 82.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 100.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 93.0
Drilling Method: Sonic

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25	25.0-30.0'	Silty SAND (75% sand, 15% silt, 10% gravel), fine to coarse sand, light brown, wet, no odor.	SM		100	1.6	FMW-11-25.0	X		Bentonite
30	30.0-32.0'	Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, brown, wet, no odor.	SM		100	2.0	FMW-11-30.0	X		Water level
	32.0-35.0'	Well graded SAND with gravel (80% sand, 15% gravel, 5% silt), fine to coarse sand and gravel, brown, wet, no odor. Sand lenses about 6 inches thick throughout.	SW-SM							
35	35.0-40.0'	Well graded SAND with gravel (80% sand, 15% gravel, 5% silt), fine to coarse sand and gravel, brown, wet, no odor. Sand lenses about 6 inches thick throughout.	SW-SM		100	1.6	FMW-11-35.0	X		Casing
40	40.0-41.0'	Well graded SAND (85% sand, 10% gravel, 5% silt), fine to coarse sand and gravel, brown, wet, no odor.	SP		100	0.7	FMW-11-40.0			
	41.0-45.0'	Well graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to coarse sand and gravel, brown, moist to wet, no odor.	SW-SM							
45	45.0-50.0'	Well graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to coarse sand and gravel, brown, moist to wet, no odor.	SW-SM		100	0.8	FMW-11-45.0	X		
50										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 83.0-93.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-11

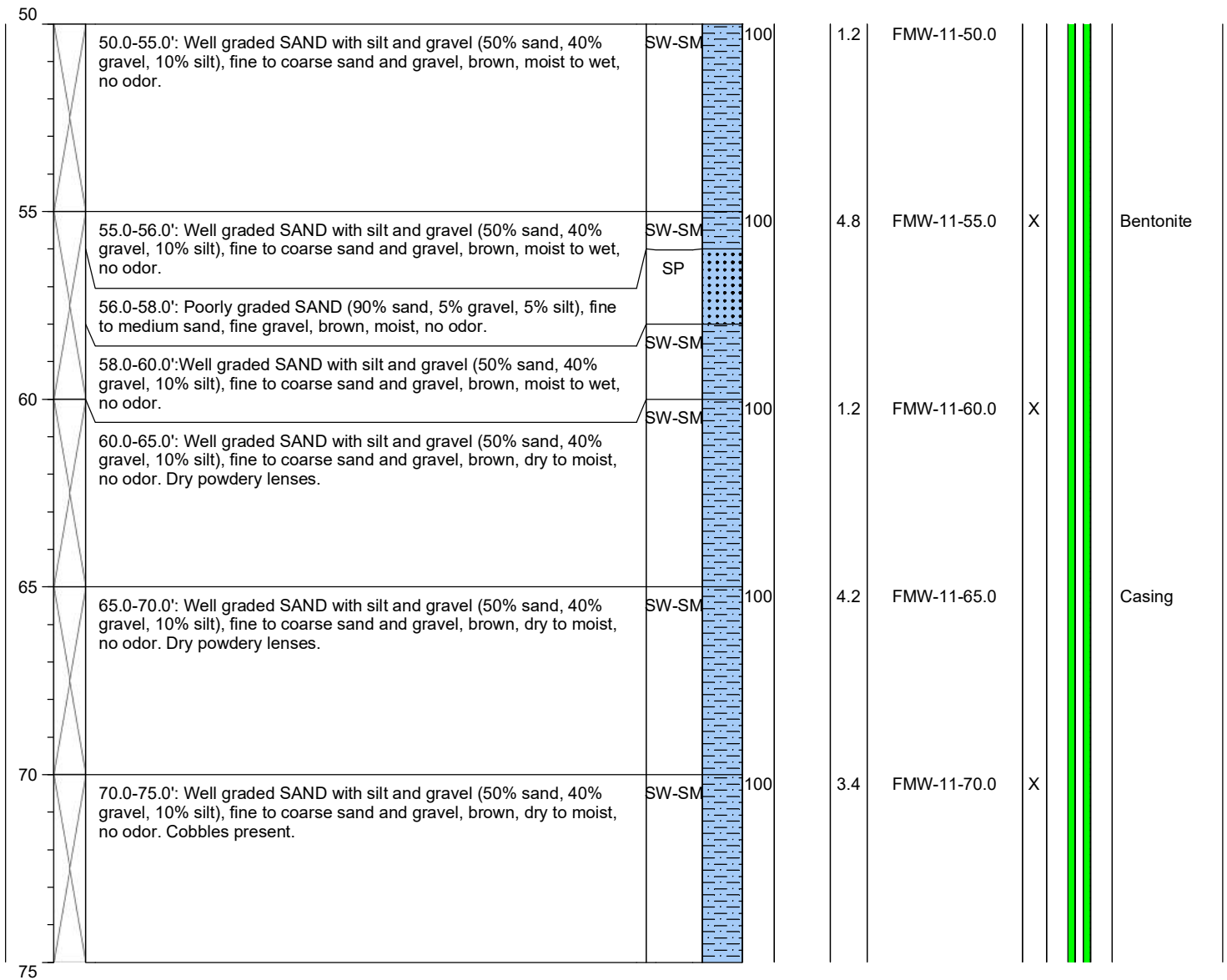
Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 04/18/2018 @ 14:00 **Sampler Type:** PE Bag
Date/Time Completed: 04/19/2018 @ 11:50 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 32.0, 82.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 100.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 93.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 83.0-93.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-11

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 04/18/2018 @ 14:00 **Sampler Type:** PE Bag
Date/Time Completed: 04/19/2018 @ 11:50 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 32.0, 82.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 100.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 93.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
75		75.0-80.0': Well graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to coarse sand and gravel, brown, dry to moist, no odor. Cobbles present.	SW-SM		100		5.3	FMW-11-75.0		Bentonite
80		80.0-82.0': Well graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), fine to coarse sand and gravel, brown, dry to moist, no odor. Cobbles present.	SW-SM		100		4.1	FMW-11-80.0	X	Casing
		82.0-85.0': Poorly graded SAND with silt and gravel (75% sand, 15% gravel, 10% silt), fine to coarse sand and gravel, brown, saturated wet, no odor.	SP-SM							Sand pack
										Water level
85		85.0-90.0': Silty SAND (65% sand, 35% silt), fine sand, brown to gray, moist to wet, no odor.	SM		100		2.1	FMW-11-85.0		Screen
90		90.0-93.0': Silty SAND (65% sand, 35% silt), fine sand, brown to gray, moist to wet, no odor.	SM		100		2.7	FMW-11-90.0	X	
		93.0-95.0': SILT with sand (70% silt, 30% sand), fine sand, gray, moist to wet, no odor.	ML							
95		95.0-100.0': SILT (100% silt), gray, moist, no odor.	ML		100		1.5	FMW-11-95.0	X	Bentonite

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 83.0-93.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-12

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/11/2018 @ 08:15
Date/Time Completed: 4/11/2018 @ 17:30
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 41.0, 78.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 90.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

0	0.0-0.6'	Asphalt. Airknife to 5.0 feet bgs to clear for utilities.	AC							Monument Concrete
	0.6-5.0'	Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor. Cobbles present.	SM				2.3	Soil Screen		
5	5.0-10.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, light brown, moist, no odor.	SM		100		1.5	FMW-12-5.0	X	Bentonite
10	10.0-13.4'	Silty SAND (75% sand, 15% silt, 10% gravel), fine to coarse sand and gravel, light brown, moist, no odor.	SM		100		2.8	FMW-12-10.0		Casing
	13.4-15.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, light brown, moist, no odor.	SM				2.1	FMW-12-13.0	X	
15	15.0-20.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, light brown, moist, no odor.	SM		100					
20	20.0-25.0'	Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, dark gray to brown, moist, no odor. Cobbles present.	SM		100		0.8	FMW-12-20.0	X	
25										

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-12

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/11/2018 @ 08:15
Date/Time Completed: 4/11/2018 @ 17:30
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 41.0, 78.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 90.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25		25.0-30.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine and coarse gravel, dark gray to brown, moist, no odor. Cobbles present.	SM		100		9.8	FMW-12-25.0	X	
30		30.0-32.0': Silty SAND with gravel (70% sand, 15% silt, 15% gravel), fine to medium sand, fine to coarse gravel, dark gray to brown, moist, no odor. Cobbles present.	SM		100		1.0	FMW-12-30.0		Bentonite
		32.0-35.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine sand, dark gray, moist, no odor.	SM							
35		35.0-40.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine sand, dark gray, moist, no odor.	SM		100		1.5	FMW-12-35.0	X	Casing
40		40.0-41.0': Silty SAND with gravel (50% sand, 30% silt, 20% gravel), fine sand, dark gray, moist, no odor.	SM		100		3.5	FMW-12-40.0		
		41.0-45.0': Silty SAND (75% sand, 20% silt, 5% gravel), fine to coarse sand and gravel, dark gray, moist to wet, no odor.	SM							Water level
45		49.0-50.0': Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, gray to brown, moist to wet, no odor. Cobbles present.	SW-SM		100		4.8	FMW-12-45.0	X	
50		49.0-50.0': Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, gray to brown, dry,	SW-SM				1.7	FMW-12-49.0		

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-12

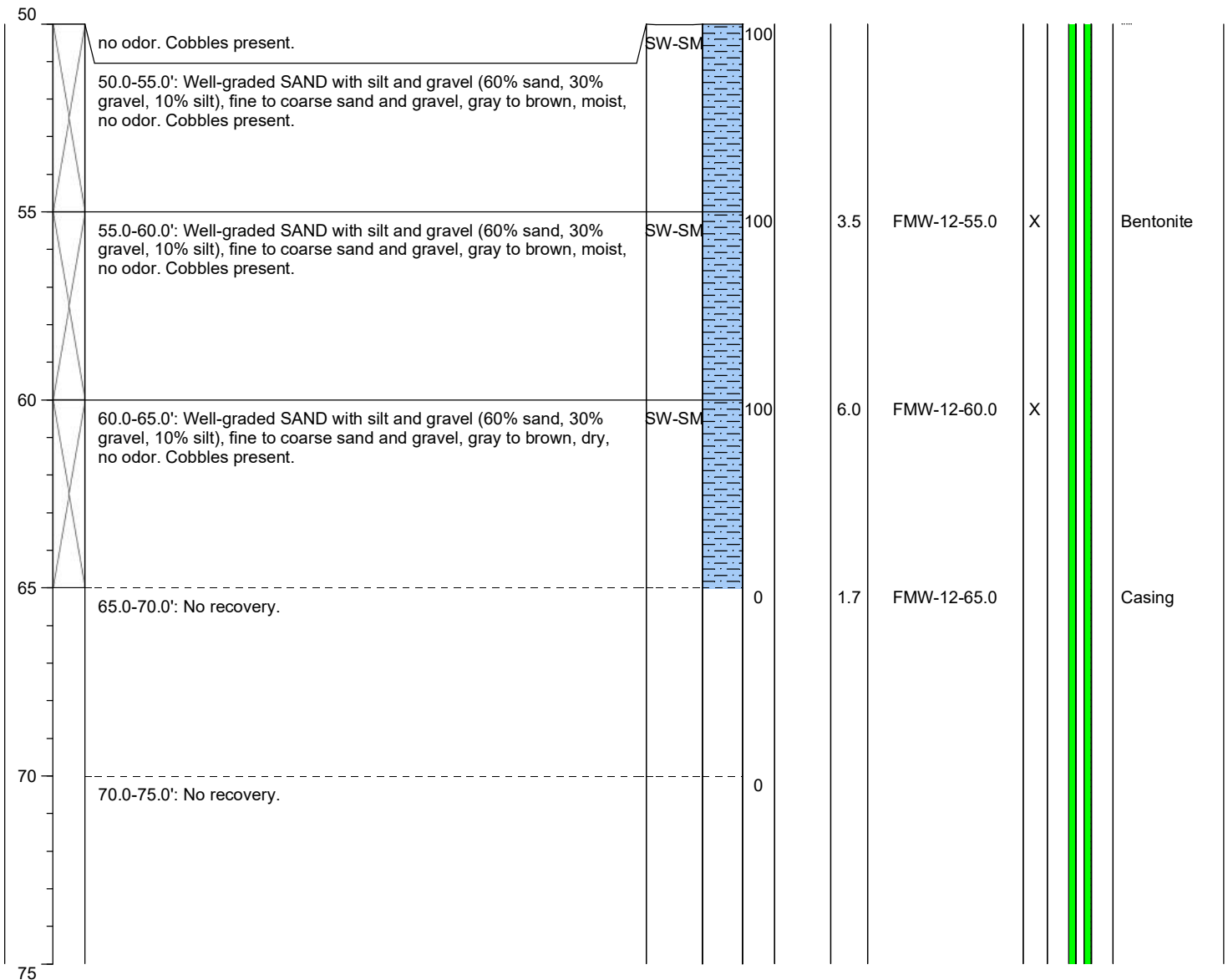
Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/11/2018 @ 08:15 **Sampler Type:** PE Bag
Date/Time Completed: 4/11/2018 @ 17:30 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 41.0, 78.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 90.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 90.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 80.0-90.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-12

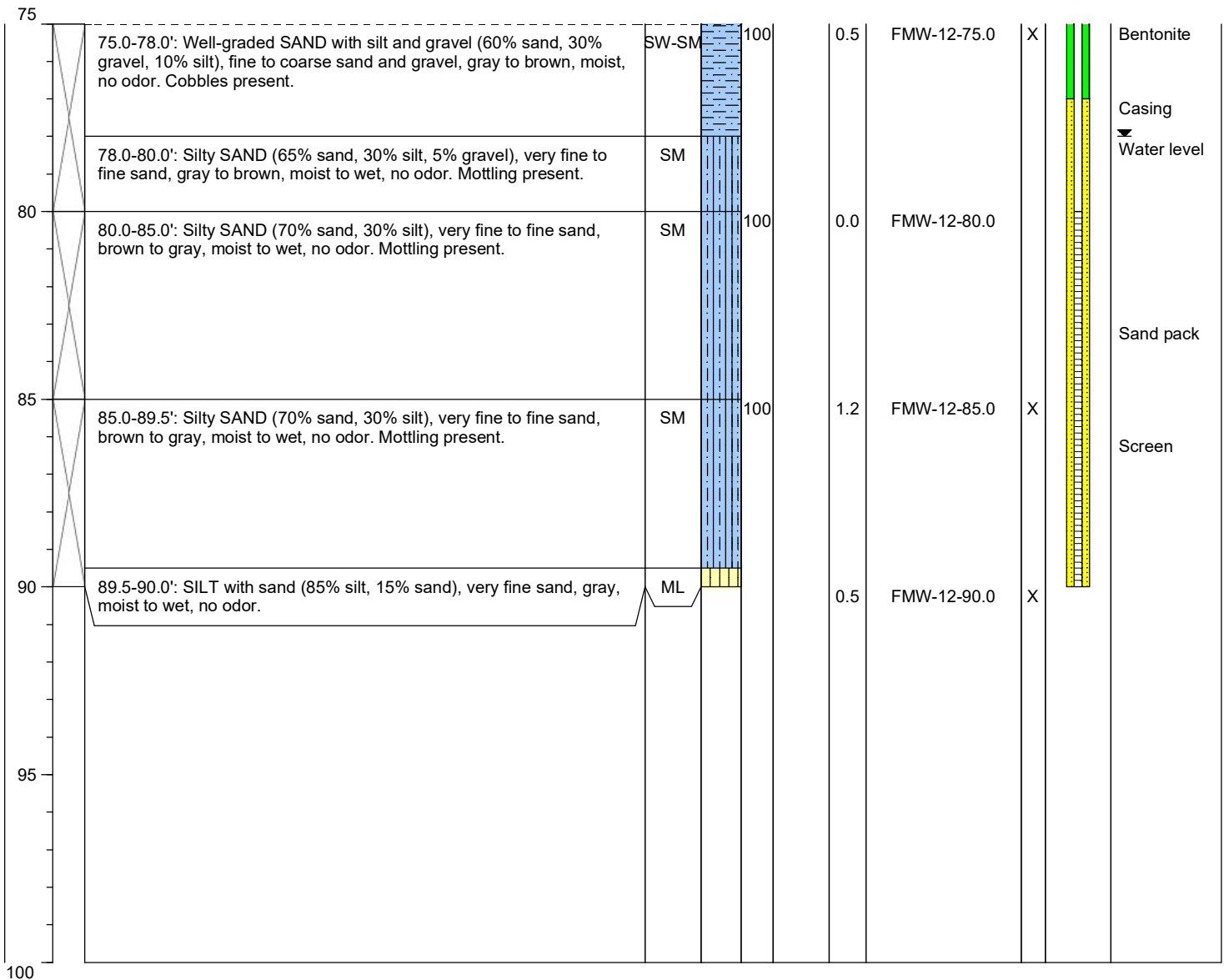
Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/11/2018 @ 08:15 **Sampler Type:** PE Bag
Date/Time Completed: 4/11/2018 @ 17:30 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 41.0, 78.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 90.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 90.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica Sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 80.0-90.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-13

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/19/2018 @ 14:20
Date/Time Completed: 4/20/2018 @ 12:15
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 87.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

0	0.0-0.5'	Asphalt. Airknife to 5.0 feet bgs to clear for utilities.	AC							Monument Concrete
	0.5-5.0'	Silty SAND with gravel (60% sand, 25% gravel, 15% silt), fine to medium sand, fine to coarse gravel, brown, moist, no odor.	SM				1.2	Soil Screen		
5	5.0-10.0'	Silty SAND (65% sand, 20% silt, 15% gravel), fine to coarse sand and gravel, light gray to brown, moist to dry, no odor.	SM		100		1.5	FMW-13-5.0		Bentonite
10	10.0-15.0'	Silty SAND (65% sand, 20% silt, 15% gravel), fine to coarse sand and gravel, light gray to brown, moist, no odor.	SM		100		NA	FMW-13-10.0	X	Casing
15	15.0-20.0'	Silty SAND with gravel (60% sand, 25% silt, 15% gravel), fine to coarse sand and gravel, gray, moist, no odor. Cobbles present.	SM		100		0.0	FMW-13-15.0		
20	20.0-25.0'	Sandy SILT with gravel (50% silt, 35% sand, 15% gravel), fine to medium sand, fine to coarse gravel, gray, moist, no odor. Cobbles present. Soil hot to the touch.	ML		100		0.0	FMW-13-20.0	X	
25										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 77.0-87.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-13

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/19/2018 @ 14:20
Date/Time Completed: 4/20/2018 @ 12:15
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 87.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------

25	25.0-30.0'	Sandy SILT with gravel (50% silt, 35% sand, 15% gravel), fine to medium sand, fine to coarse gravel, gray, moist, no odor. Cobbles present. Soil hot to the touch.	ML		100		0.0	FMW-13-25.0		
30	30.0-34.0'	Sandy SILT with gravel (50% silt, 35% sand, 15% gravel), fine to medium sand, fine to coarse gravel, gray, moist, no odor. Cobbles present. Soil hot to the touch.	ML		100		0.0	FMW-13-30.0	X	Bentonite
35	34.0-35.0'	Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, brown, moist to wet, no odor. Cobbles present. Soil hot to the touch.	SW-SM		100		0.0	FMW-13-35.0		
35	35.0-40.0'	Well-graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to coarse sand and gravel, brown, moist to wet, no odor. Cobbles present. Soil hot to the touch.	SW-SM		100		0.0	FMW-13-35.0		
40	40.0-45.0'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, moist, no odor. Coarse sand lense from 43.0-44.0 feet bgs.	SM		100		0.0	FMW-13-40.0	X	Casing
45	45.0-50.0'	Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dry to moist, no odor.	SM		100		0.0	FMW-13-45.0		
50										

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 77.0-87.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-13

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

Date/Time Started: 4/19/2018 @ 14:20 **Sampler Type:** PE Bag
Date/Time Completed: 4/20/2018 @ 12:15 **Drive Hammer (lbs.):** NA
Equipment: Terrasonic 150 **Depth of Water ATD (ft bgs):** 77.0
Drilling Company: Cascade Drilling **Total Boring Depth (ft bgs):** 90.0
Drilling Foreman: Dan Ryan **Total Well Depth (ft bgs):** 87.0
Drilling Method: Sonic

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
50		50.0-55.0': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dry to moist, no odor.	SM		100		0.0	FMW-13-50.0	X	
55		55.0-60.0': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dry to moist, no odor.	SM		100		0.2	FMW-13-55.0		Bentonite
60		60.0-65.0': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dry to moist, no odor.	SM		100		0.0	FMW-13-60.0	X	
65		65.0-70.0': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dry to moist, no odor.	SM		100		0.4	FMW-13-65.0		Casing
70		70.0-75.0': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to coarse sand and gravel, brown, dry to moist, no odor.	SM		100		1.6	FMW-13-70.0	X	
75										Sandpack

Well Construction Information

Monument Type: Flush Mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 77.0-87.0

Filter Pack: 10/20 Silica Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-13

Client: SCD Acquisitions West, LLC
Project: 10650 NE 8th St
Location: Bellevue, WA

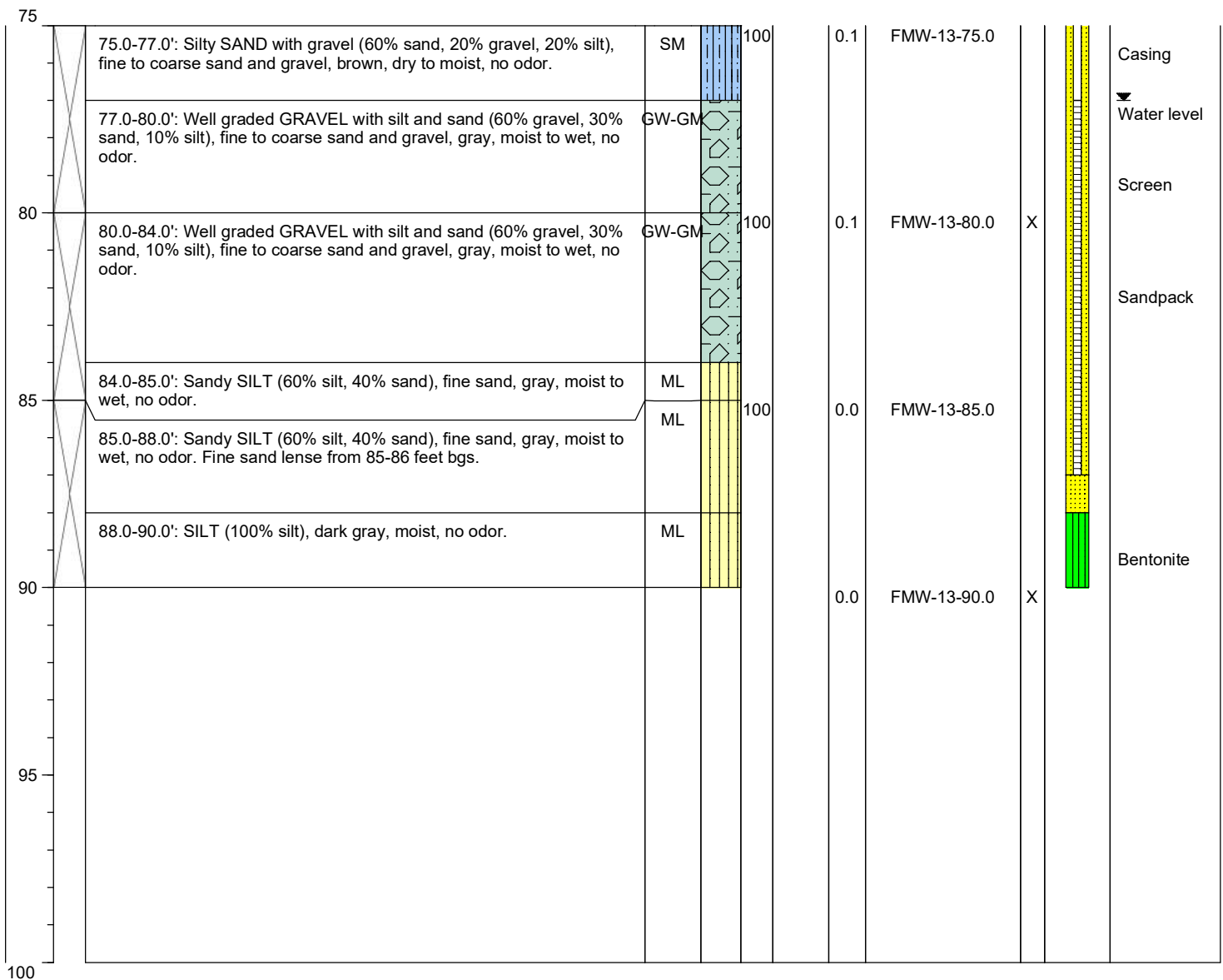
Farallon PN: 1065-010

Logged By: Daniel Aguilar

Date/Time Started: 4/19/2018 @ 14:20
Date/Time Completed: 4/20/2018 @ 12:15
Equipment: Terrasonic 150
Drilling Company: Cascade Drilling
Drilling Foreman: Dan Ryan
Drilling Method: Sonic

Sampler Type: PE Bag
Drive Hammer (lbs.): NA
Depth of Water ATD (ft bgs): 77.0
Total Boring Depth (ft bgs): 90.0
Total Well Depth (ft bgs): 87.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush Mount	Filter Pack: 10/20 Silica Sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 77.0-87.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-14

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/21/18 10:25
Date/Time Completed: 5/21/18 14:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 20.0
Total Boring Depth (ft bgs): 40.6
Total Well Depth (ft bgs): 35.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0	0.0-0.3'	Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Monument
	0.3-5.0'	Silty SAND with (80% sand, 15% gravel, 5% silt), fine to medium sand, fine gravel, brown, moist, no odor, no sheen. Asphalt debris present.	SM					1.7 FMW-14-2.5-052118 X		Concrete
5	5.0-6.0'	Silty SAND (70% sand, 20% silt, 10% gravel), fine to medium sand, fine gravel, brown, very dense, moist, no odor, no sheen.	SM		100	21/50 for 6"	0.8	FMW-14-5.0-052118 X		Bentonite
	7.5-7.8'	Silty SAND (70% sand, 20% silt, 10% gravel), fine to medium sand, fine gravel, brown, very dense, moist, no odor, no sheen.	SM		100	10/14/26	1.0	FMW-14-7.5-052118 X		Casing
	7.8-9.0'	Silty SAND (65% sand, 25% silt, 10% gravel), fine to coarse sand, fine gravel, gray, very dense, moist, no odor, no sheen. Mottling present.	SM		100	17/23/22	0.8	FMW-14-10.0-052118 X		Casing
10	10.0-11.5'	Silty SAND (65% sand, 25% silt, 10% gravel), fine to coarse sand, fine gravel, gray, very dense, moist, no odor, no sheen. Mottling present.	SM		100					Sand pack
15	15.0-16.0'	Silty SAND (65% sand, 25% silt, 10% gravel), fine to coarse sand, fine gravel, gray, very dense, moist, no odor, no sheen. Mottling present.	SM		100	31/50 for 6"	0.8	FMW-14-15.0-052118 X		Screen
20	20.0-20.5'	Silty SAND (70% sand, 20% silt, 10% gravel), fine to coarse sand, fine gravel, light gray, very dense, moist to wet, no odor, no sheen.	SM		100	50 for 6"	0.8	FMW-14-20.0-052118 X		Water level

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 25.0-45.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-14

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

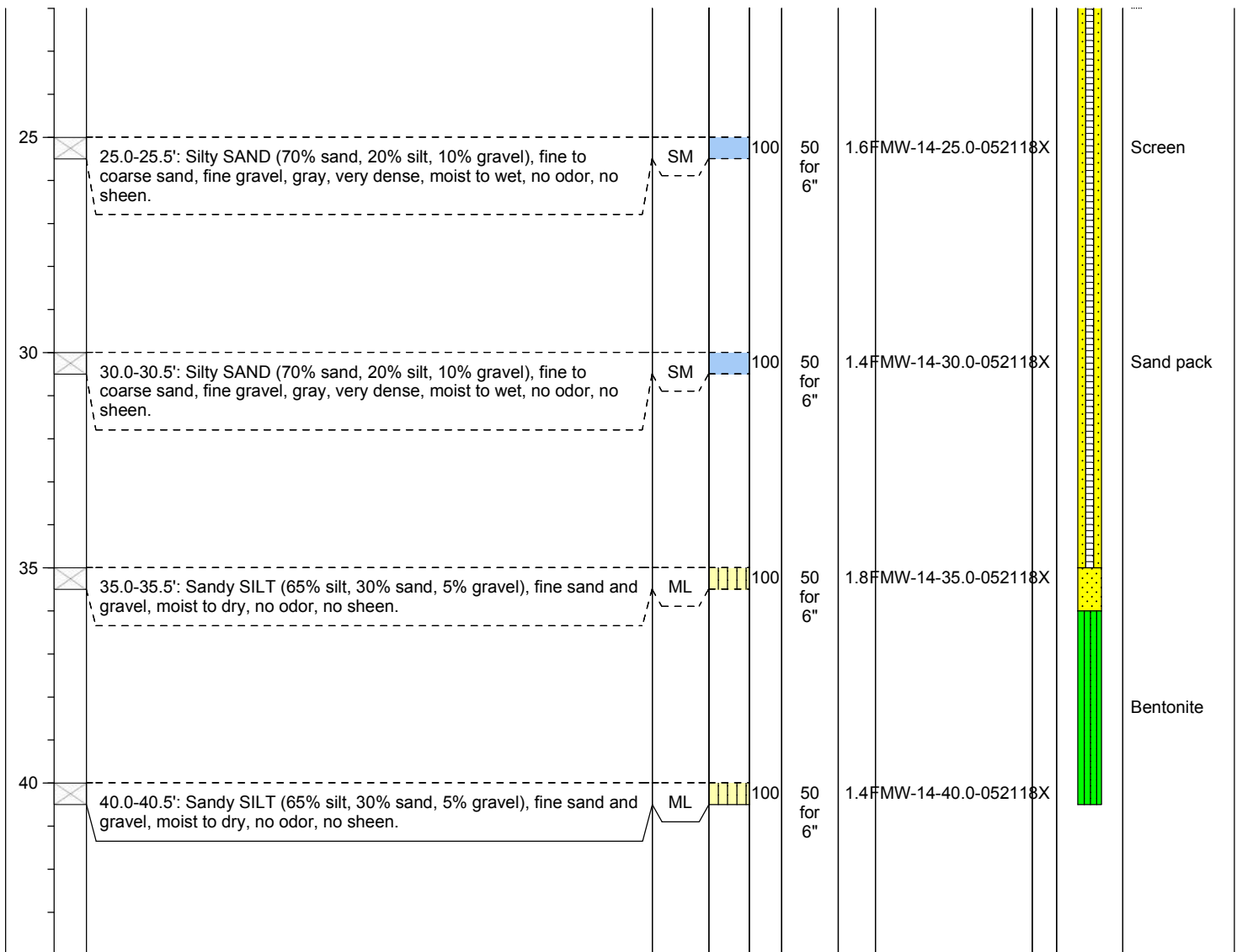
Date/Time Started: 5/21/18 10:25
Date/Time Completed: 5/21/18 14:00
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 20.0
Total Boring Depth (ft bgs): 40.6
Total Well Depth (ft bgs): 35.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 25.0-45.0

Well Construction Information

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-15

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

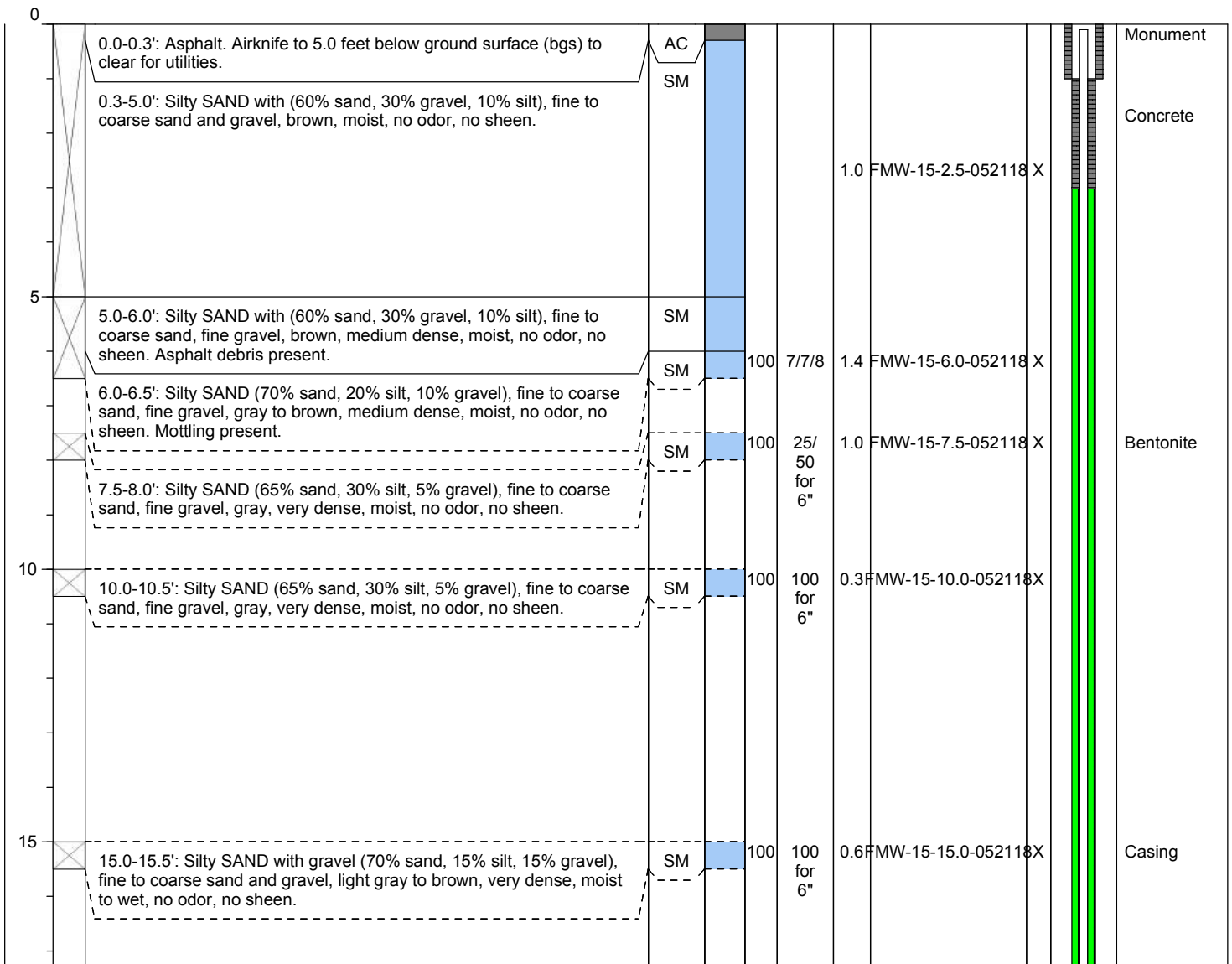
Date/Time Started: 5/21/18 14:45
Date/Time Completed: 5/21/18 17:45
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300/140
Depth of Water ATD (ft bgs): 30.0
Total Boring Depth (ft bgs): 50.4
Total Well Depth (ft bgs): 50.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 30.0-50.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-15

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

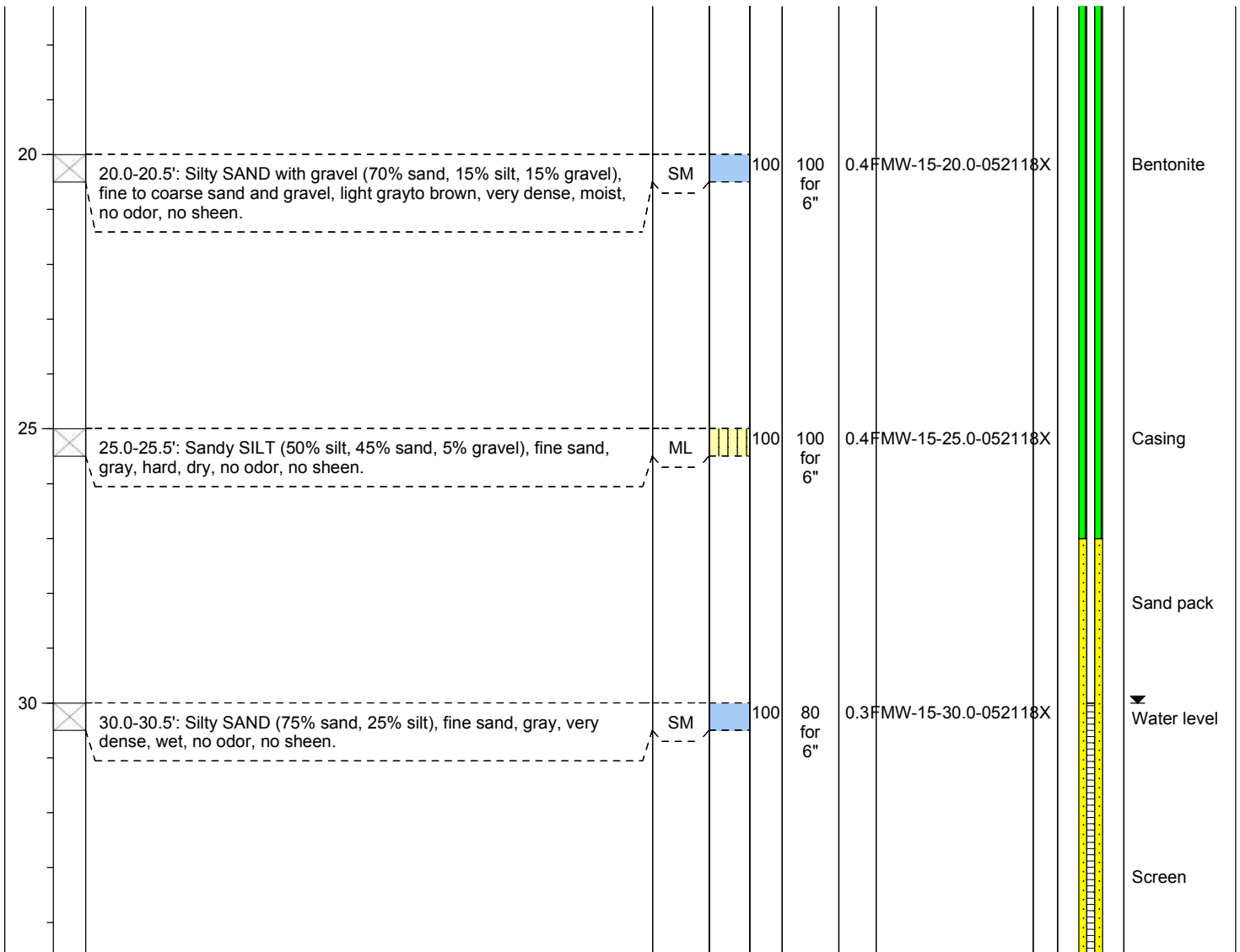
Date/Time Started: 5/21/18 14:45
Date/Time Completed: 5/21/18 17:45
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300/140
Depth of Water ATD (ft bgs): 30.0
Total Boring Depth (ft bgs): 50.4
Total Well Depth (ft bgs): 50.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.020	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 30.0-50.0	Boring Abandonment: NA	Y: NA	



Log of Boring: FMW-15

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/21/18 14:45
Date/Time Completed: 5/21/18 17:45
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300/140
Depth of Water ATD (ft bgs): 30.0
Total Boring Depth (ft bgs): 50.4
Total Well Depth (ft bgs): 50.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 30.0-50.0

Well Construction Information

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-16

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/22/18 09:00
Date/Time Completed: 5/22/18 13:45
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 10.0, 20.0, 35.0
Total Boring Depth (ft bgs): 55.5
Total Well Depth (ft bgs): 45.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0.0-0.3'		Asphalt. Airknife to 5.0 feet below ground surface (bgs) to clear for utilities.	AC							Monument
0.3-5.0'		Silty SAND with (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, brown, moist, no odor, no sheen.	SM					1.4 FMW-16-2.5-052218 X		Concrete
5.0-6.5'		Silty SAND with (50% sand, 30% gravel, 20% silt), fine to coarse sand and gravel, brown, loose, moist, no odor, no sheen.	SM		100	8/10/11	3.0	FMW-16-5.0-052218 X		
7.5-8.4'		Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand, fine gravel, gray to brown, dense, moist, no odor, no sheen. Mottling present.	SM		100	33/50 for 6"	1.4	FMW-16-7.5-052218 X		Bentonite
10.0-11.0'		Silty SAND (70% sand, 25% silt, 5% gravel), fine to coarse sand, brown, dense, wet, no odor, no sheen. Mottling present.	SM		100	37/50 for 6"	NA	FMW-16-10.0-052218 X		Water level
15.0-15.5'		Silty SAND (70% sand, 25% silt, 5% gravel), fine to coarse sand, brown, dense, moist, no odor, no sheen. Mottling present.	SM		100	80 for 6"	1.4	FMW-16-15.0-052218 X		Casing
20.0-20.3'		Silty SAND (80% sand, 15% silt, 5% gravel), fine to coarse sand and gravel, brown, very dense, wet, no odor, no sheen.	SM		60	70 for 6"	1.0	FMW-16-20.0-052218 X		Water level
20.3-20.5'		No recovery.								Sand pack
25.0-25.5'		Silty SAND (70% sand, 30% silt), fine to medium sand, brown, very dense, moist, no odor, no sheen. Mottling present.	SM		100	80 for 6"	1.2	FMW-16-25.0-052218 X		Screen

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 25.0-45.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-16

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

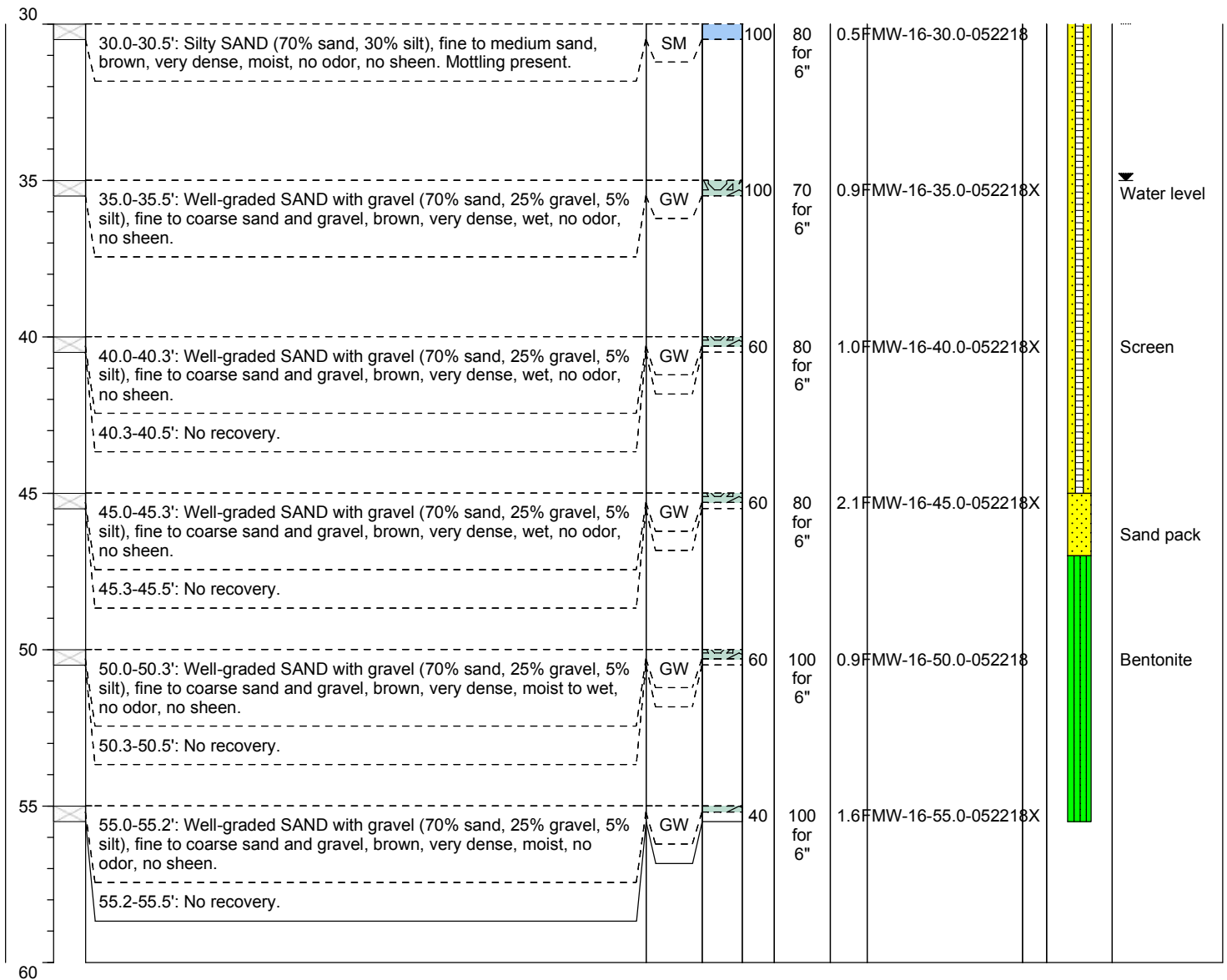
Date/Time Started: 5/22/18 09:00
Date/Time Completed: 5/22/18 13:45
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: James Goble
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 140
Depth of Water ATD (ft bgs): 10.0, 20.0, 35.0
Total Boring Depth (ft bgs): 55.5
Total Well Depth (ft bgs): 45.0

Farallon PN: 1065-010

Logged By: Daniel Aguilar

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.020
Screened Interval (ft bgs): 25.0-45.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-17

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

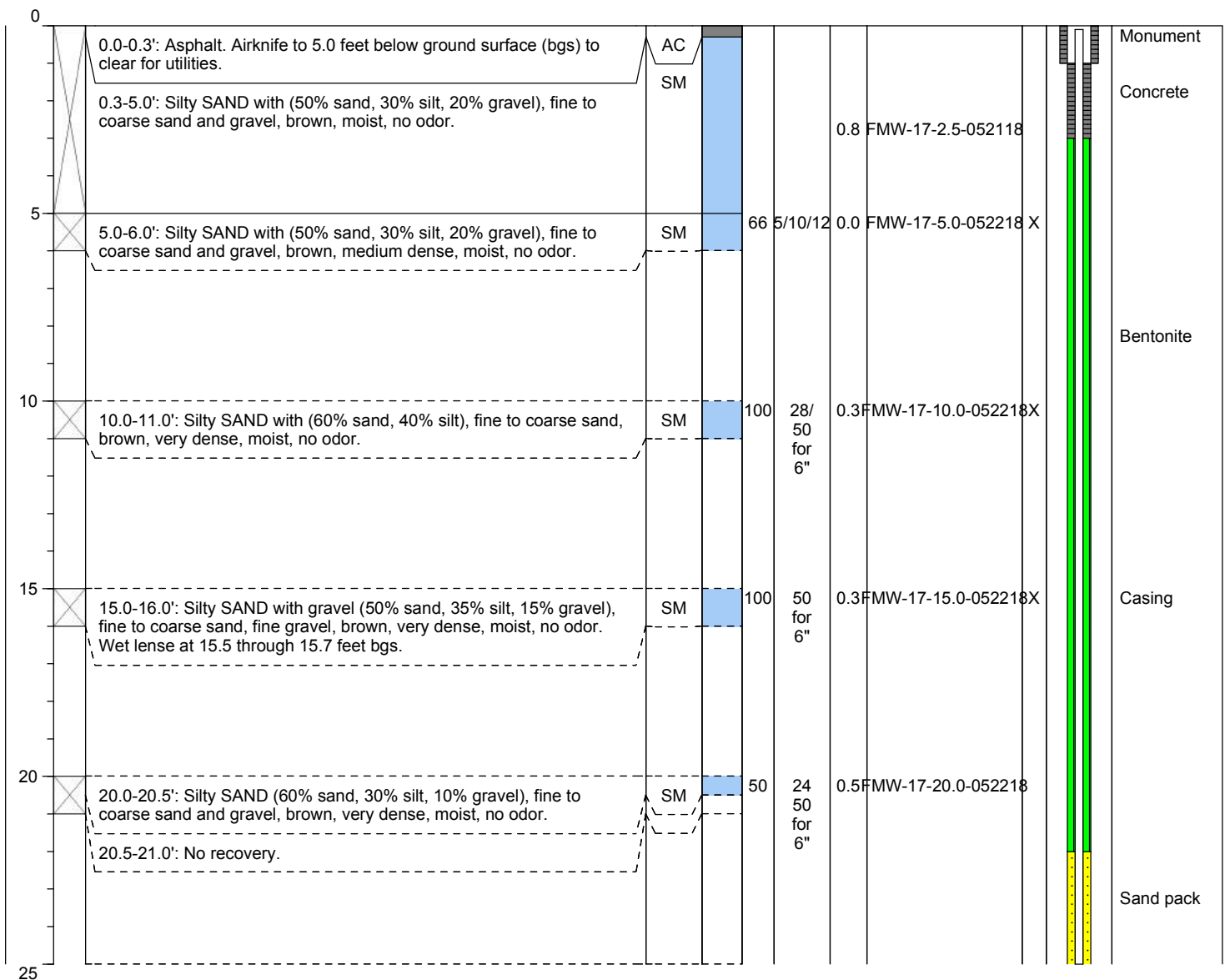
Date/Time Started: 5/22/18 08:02
Date/Time Completed: 5/22/18 11:40
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.3
Total Boring Depth (ft bgs): 46.0
Total Well Depth (ft bgs): 40.0

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 30.0-40.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
 Y: NA



Log of Boring: FMW-17

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

Date/Time Started: 5/22/18 08:02
Date/Time Completed: 5/22/18 11:40
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.3
Total Boring Depth (ft bgs): 46.0
Total Well Depth (ft bgs): 40.0

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
25										
25.0-26.0'		Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand and gravel, brown, very dense, moist, no odor.	SM		100	28 50 for 6"	0.4	FMW-17-25.0-052218X		
30.0-30.5'		Silty SAND (60% sand, 30% silt, 10% gravel), fine to medium sand, fine to coarse gravel, brown, very dense, moist, no odor.	SM		100	50 for 6"	0.0	FMW-17-30.0-052218		Screen
35.0-35.4'		Silty SAND (60% sand, 30% silt, 10% gravel), fine to coarse sand and gravel, brown, very dense, moist, no odor, no sheen. Wet at 35.3 feet bgs.	SM		100	30 for 5"	1.2	FMW-17-35.0-052218X		Water level
40.0-40.4'		Silty SAND and gravel (50% sand, 35% silt, 15% gravel), fine to coarse sand and gravel, brown, very dense, moist, chemical like odor.	SM		100	30 for 5"	0.4	FMW-17-40.0-052218X		Sand pack
45.0-46.0'		Silty SAND (50% sand, 40% silt, 10% gravel), fine coarse sand and gravel, brown, moist, no odor, no sheen.	SM		NA	NA	0.2	FMW-17-45.0-052218X		Bentonite
50										

Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 30.0-40.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-18

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

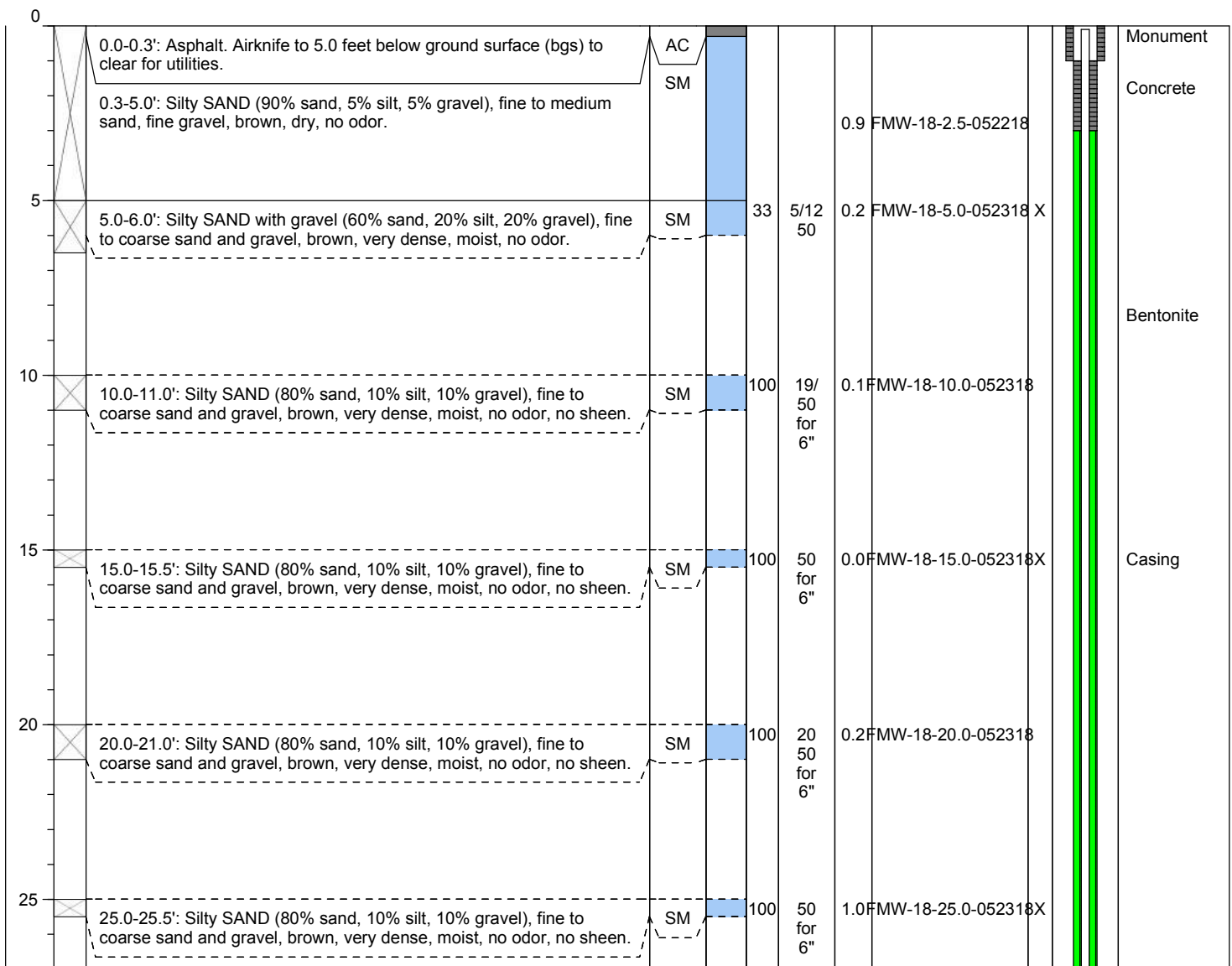
Date/Time Started: 5/22/18 08:00
Date/Time Completed: 5/22/18 11:40
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.0
Total Boring Depth (ft bgs): 50.5
Total Well Depth (ft bgs): 50.0

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information

Monument Type: Flush mount
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 30.0-50.0

Filter Pack: 10/20 Silica sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA
Y: NA



Log of Boring: FMW-18

Client: SCD Acquisitions
Project: 10650 NE 8th St.
Location: Bellevue, Washington

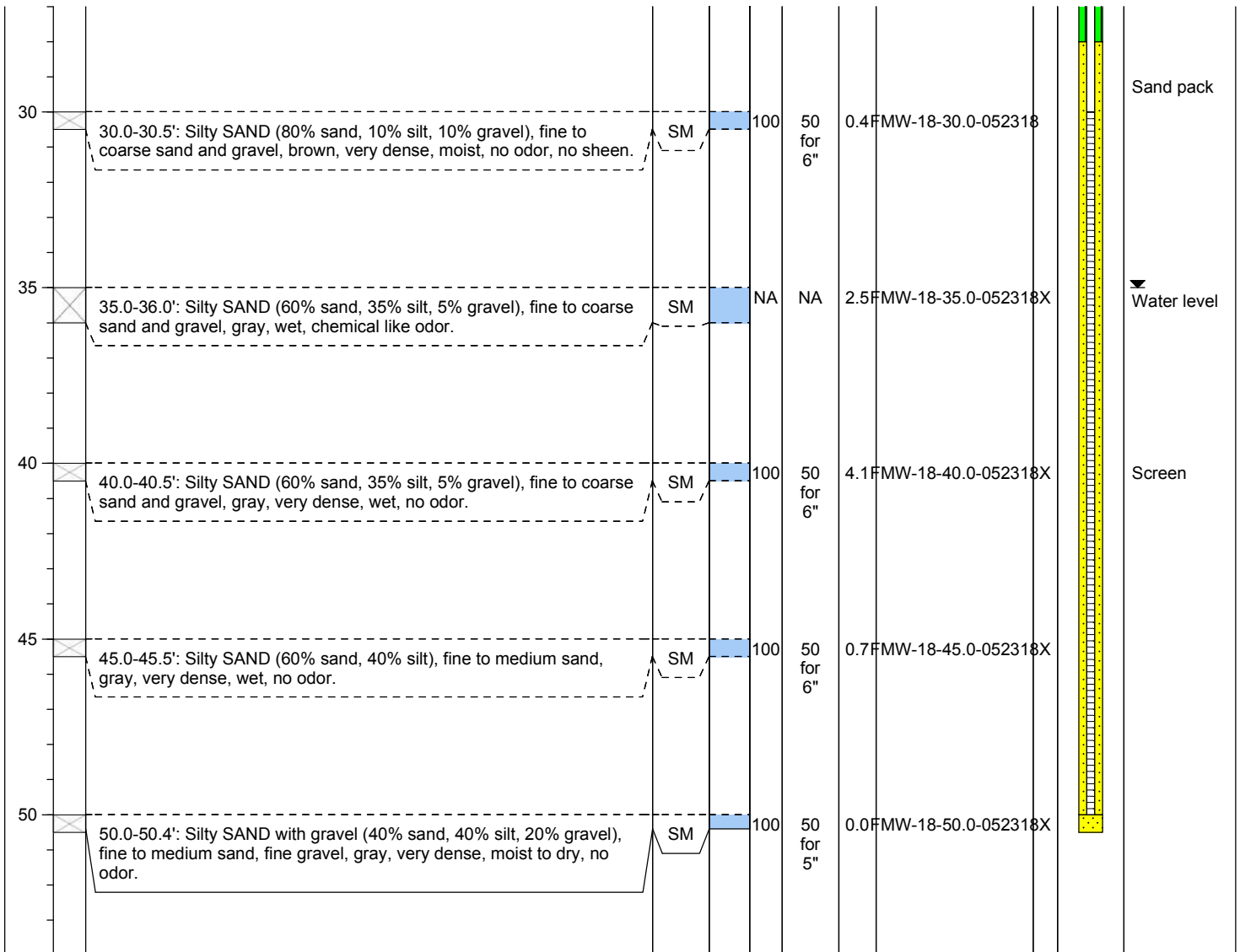
Date/Time Started: 5/22/18 08:00
Date/Time Completed: 5/22/18 11:40
Equipment: CME 75
Drilling Company: Cascade Drilling
Drilling Foreman: Curtis
Drilling Method: Hollow Stem Auger

Sampler Type: D&M SS 18"x2"
Drive Hammer (lbs.): 300
Depth of Water ATD (ft bgs): 35.0
Total Boring Depth (ft bgs): 50.5
Total Well Depth (ft bgs): 50.0

Farallon PN: 1065-010

Logged By: Nate Turpen

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
-------------------	-----------------	------------------------	------	--------------	------------	-------------------	-----------	-----------	-----------------	----------------------------------



Well Construction Information			
Monument Type: Flush mount	Filter Pack: 10/20 Silica sand	Ground Surface Elevation (ft): NA	
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA	
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA	
Screened Interval (ft bgs): 30.0-50.0	Boring Abandonment: NA	Y: NA	

ATTACHMENT B
PASSIVE SOIL GAS SURVEY REPORTS

SUMMARY OF SUBSURFACE INVESTIGATION
10650 Northeast 8th Street
Bellevue, Washington

Farallon PN: 1065-010



AMPLIFIED
GEOCHEMICAL
IMAGING, LLC

Laboratory Report

Site: 1065-010

Prepared for:

Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA

Prepared on:
April 25, 2018

Project Summary and Objective

Amplified Geochemical Imaging, LLC. (AGI) provided the AGI Environmental Survey used at:

1065-010

The service provided by AGI included delivery of the required quantity of AGI Universal Samplers, analysis by the method described below for the requested organic compounds, reporting of the data, and contour mapping (as needed).

This report includes results for only the samples noted under the Laboratory Sample Report section. If contour maps are part of the project deliverable, the maps will be prepared and issued under a separate report cover, upon receipt of a usable sitemap (electronic) and compound choices for contouring.

Written/submitted by:

Kelly J Stringham

Project Manager

Reviewed/approved by:

Ian McMullen

Chemist

Analytical data approved by:

Ian McMullen

Chemist

Quality Assurance Statement

The AGI Laboratory, at Amplified Geochemical Imaging's facility in Newark, DE USA, operates under the guidelines of its ISO Standard 17025 DoD ELAP accreditation, and its Quality Assurance Manual, Operating Procedures, and Methods (SOP-QA-0462).

For this project, the analytical method, results, and observations reported do [] do not [✓] fall within the scope of AGI's ISO 17025 accreditation.

Screening/Concentration Method

The AGI Universal Samplers are analyzed at AGI's fixed laboratory using thermal desorption-gas chromatography/mass spectrometry (TD-GC/MS) instrumentation following modified U.S. EPA Method 8260 (SPG-WI-0292) which includes the following:

- **BFB Tuning Frequency:** A BFB tune is analyzed at the start of each analytical run and after every 30 samples.
- **Initial Calibration:** A minimum of a five point calibration curve is analyzed prior to the analysis of samples.
- **Initial Calibration Verification (ICV):** Following the calibration a second-source reference standard is analyzed to verify the accuracy of the calibration. Acceptance criteria for the ICV is +/- 30%.
- **Linearity of Target Compounds:** If the RSD of any target analyte is less than or equal to 25% then average response factor can be used for quantitation. If the RSD exceeds 25% for a target compound a regression equation can be used for quantitation.
- **Continuing Calibration Verification:** After every 10 samples, and at the end of each analytical batch, a mid-level second-source Reference Standard is analyzed. The acceptance criteria for all target analytes in the reference standards are +/- 50% of the true value.
- **Method Blank:** Analyzed prior to the analysis of field samples and every 30 samples.

Note: Analyte levels reported for the field-deployed AGI Universal Samplers that exceed trip and method blank levels, and/or the reporting limit, are more likely to have originated from on-site sources.

Media Sampled:	SOIL GAS
Chemist - sample analysis:	Jasmine Smith
Chemist - data processor:	Jasmine Smith
Chemist - data review:	Ian McMullen

Method deviations: None

Please note that data file names ending with R are rerun samples using the second pair of sorbers, in which the original results were not reported. Data file names ending in D are duplicate analysis results for the second set of sorbers from the same sampler, and are reported.

Additional Report Information

- Comments
- Laboratory Sample Report
- Chain of Custody
- Installation and Retrieval Log
- Data Table(s) and Key
- Total Ion Chromatograms

Project Specific Comments

Samplers 00796610, 00796611, and 00796612 were analyzed as trip blanks. Sampler 00796590 was damaged upon installation and was not returned.

Survey period ¹	Samplers were installed on April 9 and 10, 2018 and retrieved on April 19, 2018 for an exposure period of nine to ten days.	
Tamper seal intact:	Yes	
Date received:	4/20/18 11:45 am	By: Clarence Whigham
COC returned:	Yes	
Comments:	None	

1 - Installation start to end of retrieval, as reported. See installation and retrieval log for individual deployment and retrieval dates and times (i.e., sampler exposure time).

General Comments

Analytical QA/QC

Laboratory instrumentation consists of gas chromatographs equipped with mass selective detectors, coupled with automated thermal desorption units. Sample preparation involves cutting the tip off the bottom of the AGI Universal Sampler, and transferring one or more "sorbents" to a thermal desorption tube for analysis. The insertion/retrieval cord prevents soil, water and other interferences from coming in contact with the adsorbent. No further sample preparation is required. Any replicate sorbents not consumed in the initial analysis will be discarded fifteen (15) days from the date of the laboratory report.

Data are archived and stored in a secure manner as per AGI's Quality Assurance program (SOP-QA-0462).

Total petroleum hydrocarbons (TPH), gasoline-range petroleum hydrocarbons (GRPH), and/or diesel range petroleum hydrocarbons (DRPH), when reported, are calculated using the area under the peaks observed in m/z 55 and 57 selected ion chromatograms. Quantitation of the mass values was performed using the response factor for a specific alkane (present in the calibration standards). TPH values include the entire chromatogram and provide estimates for aliphatic hydrocarbon ranges of C4 to C20. GRPH and DRPH include only the relevant regions of the chromatograms and provide estimates for C4 to C10 and C10 to C20 aliphatic hydrocarbons, respectively.

Trip blanks were provided to document potential exposures that were not part of the signal of interest (e.g., impact during sampler shipment, installation and/or retrieval, and storage). The trip blanks are identically manufactured and packaged AGI Universal Samplers to those samplers deployed in the field. The trip blanks remain unopened during all phases of the project. Levels reported on the trip blanks may indicate potential impact to the samplers other than the contaminant source of interest.

Unresolved peak envelopes (UPEs) are represented as a series of compound peaks clustered together around a central gas chromatograph elution time in the total ion chromatogram. UPEs may be indicative of complex fluid mixtures. UPEs observed early in the chromatograms are considered to indicate presence of more volatile fluids, while UPEs observed later in the chromatogram may indicate the presence of less volatile fluids. Multiple UPEs may indicate the presence of multiple complex fluids.

Total ion chromatograms (TICs) are included in the Attachments. The eight-digit serial number of each sampler is incorporated in the TIC identification (e.g., 12345678.D represents AGI Universal Sampler 12345678).

General Comments

Soil Gas Sampling

For soil gas sampling, the AGI Environmental Survey reports mass levels migrating through the open pore spaces of the soil and diffusing through the sampler membrane for sorption by the engineered, hydrophobic adsorbents, housed within the membrane tube. During the migration of the soil gas away from the source to the AGI Universal Sampler, the vapors are subject to a variety of attenuation factors. The soil gas masses reported on the samplers compare favorably with the concentrations reported in the soil or groundwater (e.g., where soil gas levels are reported at greater levels to other sampled locations on the site, the matrix data should reveal the same pattern, and vice versa). However, due to a variety of factors, a perfect comparison between matrix data and soil gas levels can rarely be achieved.

Soil gas concentrations ($\mu\text{g}/\text{m}^3$) are calculated following the method described in the Additional Report Information section.

Soil gas signals reported by this method cannot be correlated specifically to soil adsorbed, groundwater, and /or free-phase contamination. The soil gas signal reported from each AGI Universal Sampler can evolve from all of these sources. Differentiation between soil and groundwater contamination can only be achieved with prior knowledge of the site history (i.e., the site is known to have groundwater contamination only).

Air Sampling

For indoor, outdoor, and crawlspace air sampling, the AGI Environmental Survey reports mass levels present in the air and diffusing through the sampler membrane for sorption by the engineered adsorbents housed within the membrane tube.

Air concentrations ($\mu\text{g}/\text{m}^3$) are calculated following the method described in the Additional Report Information section.

Groundwater and Sediment Porewater Sampling

For groundwater and sediment porewater sampling, the AGI Environmental Survey reports the mass levels of compounds present in the water which, when coming in contact with the sampler membrane, partitions out of solution, and diffuses through the sampler membrane for sorption by the engineered adsorbents.

Water concentrations ($\mu\text{g}/\text{L}$) are calculated using the quantified mass, exposure period and the compound specific uptake rate. The rates were measured under controlled experimental conditions. The uptake rates are corrected for water pressure (depth of the AGI Universal Sampler below the water table), water temperature and the aquifer flow rate. For sediment porewater, the uptake rate is corrected for the reduced volume of water in the sediment, by multiplying the uptake rate by the pore water fraction.

Laboratory Sample Report

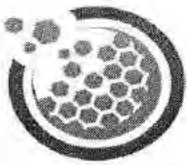
<u>AGI Sample ID</u>	<u>Field ID</u>	<u>Sample Type</u>
796590	NA	DAMAGED/NOT RETURNED
796610	NA	TRIP BLANK
796611	NA	TRIP BLANK
796612	NA	TRIP BLANK
796600	F-GS01	FIELD SAMPLE
796601	F-GS02	FIELD SAMPLE
796602	F-GS03	FIELD SAMPLE
796603	F-GS04	FIELD SAMPLE
796608	F-GS05	FIELD SAMPLE
796609	F-GS06	FIELD SAMPLE
796596	F-GS07	FIELD SAMPLE
796594	F-GS08	FIELD SAMPLE
796595	F-GS09	FIELD SAMPLE
796579	F-GS10	FIELD SAMPLE
796597	F-GS11	FIELD SAMPLE
796598	F-GS12	FIELD SAMPLE
796599	F-GS13	FIELD SAMPLE
796580	F-GS14	FIELD SAMPLE
796588	F-GS15	FIELD SAMPLE
796589	F-GS16	FIELD SAMPLE
796578	F-GS17	FIELD SAMPLE
796613	F-GS18	FIELD SAMPLE
796591	F-GS19	FIELD SAMPLE
796592	F-GS20	FIELD SAMPLE
796593	F-GS21	FIELD SAMPLE
796582	F-GS22	FIELD SAMPLE
796583	F-GS23	FIELD SAMPLE
796584	F-GS24	FIELD SAMPLE
796585	F-GS25	FIELD SAMPLE
796587	F-GS26	FIELD SAMPLE
796586	F-GS27	FIELD SAMPLE
796576	F-GS28	FIELD SAMPLE
796577	F-GS29	FIELD SAMPLE
796581	F-GS30	FIELD SAMPLE
796569	F-GS31	FIELD SAMPLE
796570	F-GS32	FIELD SAMPLE
796571	F-GS33	FIELD SAMPLE
796616	F-GS34	FIELD SAMPLE
796614	F-GS35	FIELD SAMPLE
796558	F-GS36	FIELD SAMPLE
796559	F-GS37	FIELD SAMPLE

<u>AGI Sample ID</u>	<u>Field ID</u>	<u>Sample Type</u>
796617	F-GS38	FIELD SAMPLE
796619	F-GS39	FIELD SAMPLE
796561	F-GS40	FIELD SAMPLE
796615	F-GS41	FIELD SAMPLE
796557	F-GS42	FIELD SAMPLE
796618	F-GS43	FIELD SAMPLE
796560	F-GS44	FIELD SAMPLE
796556	F-GS45	FIELD SAMPLE
796568	F-GS46	FIELD SAMPLE
796567	F-GS47	FIELD SAMPLE
796572	F-GS48	FIELD SAMPLE
796566	F-GS49	FIELD SAMPLE
796574	F-GS50	FIELD SAMPLE
796565	F-GS51	FIELD SAMPLE
796575	F-GS52	FIELD SAMPLE
796562	F-GS53	FIELD SAMPLE
796563	F-GS54	FIELD SAMPLE

Total # Field Samples: 54

Total # Trip Blanks: 3

Total # Damaged/Not Returned: 1



**AGI Universal Passive Sampler Chain of Custody
Soil gas and/or Air Sampling**

Production Order #: ENV 01977

Customer Name: Farallon Consulting LLC

Site Name: 1065-010

Address: 975 5th Avenue NW
Issaquah, WA 98027
USA

Site Address: 10750 NE 8th St, Bellevue, WA

Project Manager: ERIC BUER

Serial # of Samplers Shipped	# of Samplers for Installation	54	# of Trip Blanks	4
00796556 - 00796563	Total Samplers Shipped	58	Pieces	
00796565 - 00796572	Total Samplers Received	<u>58</u>	Pieces	
00796574 - 00796603	Total Samplers Installed	<u>54</u>	Pieces	
00796608 - 00796619				

Serial # of Trip Blanks (Client Decides)

Insertion Rods

Tips Shipped: 2

Rod Bodies Shipped: 8

<ul style="list-style-type: none"> • 00796612 • 00796610 • 00796611 		
--	--	--

Prepared By: [Signature]

Verified By: Naikene Johnson

Installation Method: (Circle those that apply)

Slide Hammer Hammer Drill Auger

Other

Installation Performed By:

Name: Greg Peters & Kyle Korbinus

Company: FARALLON

Retrieval Performed By:

Name: Greg Peters & Kyle Korbinus

Company: FARALLON

Installation Start Date / Time: 04/09/18 @ 0902

Installation Complete Date / Time: 04/10/18 @ 1740

Retrieval Start Date / Time: 04/18/18 @ 0820

Retrieval Complete Date / Time: 04/19/18 @ 1055

Total Samplers Retrieved: 54

Total Samplers Lost In Field: 2

Total Unused Samplers Returned:

Insertion Rod Sections Returned: yes (2)

Relinquished By: [Signature] Date/Time: 4/15/18

Company: AGI 9:15 AM

Received By: [Signature] Date/Time: 4/16/18 @ 1115

Company: FARALLON

Relinquished By: [Signature] Date/Time:

Company: FARALLON

Received By: Denise Whigham Date/Time: 4/20/18

Company: AGI 11:45 AM



210 Executive Drive, Suite 1
Newark, DE USA 19702-3335
ph: 302-266-2428

AGI Project No. ENV 01977
Site Name: 1065-010
Site Location: Bellevue, WA

Company Name: Farallon Consulting LLC
Location: Issaquah, WA
Samples collected by: Greg Peters & Kyle Korbines

AGI Soil Gas Sampling
Installation & Retrieval Log

* Optional or as needed

SAMPLER SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through)	YES / NO			AT MI
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?	
796590	NA	FIELD_SAMPLE	NA	NA	Damaged during installation.	NA	NA	NA	NA	NA
796610	NA	TRIP_BLANK	NA	NA	NA	NA	NA	NA	NA	NA
796611	NA	TRIP_BLANK	NA	NA	NA	NA	NA	NA	NA	NA
796612	NA	TRIP_BLANK	NA	NA	NA	NA	NA	NA	NA	NA
796600	F-GS01	FIELD_SAMPLE	4/9/18 9:02	4/19/18 10:28	bottom of boring at ~2.5' bgs, eastside of building.	Asphalt	No	No	No	SAND
796601	F-GS02	FIELD_SAMPLE	4/9/18 9:53	4/19/18 10:30	bottom of boring at ~2.5' bgs, eastside of building.	Asphalt	No	No	No	SAND
796602	F-GS03	FIELD_SAMPLE	4/9/18 9:55	4/19/18 10:30	bottom of boring at ~2.5' bgs, eastside of building.	Asphalt	No	No	No	SAND
796603	F-GS04	FIELD_SAMPLE	4/9/18 10:06	4/19/18 10:38	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796608	F-GS05	FIELD_SAMPLE	4/9/18 10:12	4/19/18 10:55	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796609	F-GS06	FIELD_SAMPLE	4/9/18 10:22	4/19/18 10:40	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	Yes	LOAMY_SAND
796596	F-GS07	FIELD_SAMPLE	4/9/18 10:53	4/19/18 10:42	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796594	F-GS08	FIELD_SAMPLE	4/9/18 10:31	4/19/18 10:48	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796595	F-GS09	FIELD_SAMPLE	4/9/18 10:45	4/19/18 10:46	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796579	F-GS10	FIELD_SAMPLE	4/9/18 17:46	4/19/18 10:50	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796597	F-GS11	FIELD_SAMPLE	4/9/18 11:00	4/19/18 10:55	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796598	F-GS12	FIELD_SAMPLE	4/9/18 11:11	4/19/18 9:08	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796599	F-GS13	FIELD_SAMPLE	4/9/18 11:25	4/19/18 9:05	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796580	F-GS14	FIELD_SAMPLE	4/9/18 17:33	4/19/18 9:08	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796588	F-GS15	FIELD_SAMPLE	4/9/18 11:35	4/19/18 8:20	bottom of boring at ~2.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796589	F-GS16	FIELD_SAMPLE	4/9/18 11:40	4/19/18 8:28	bottom of boring at ~2.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796578	F-GS17	FIELD_SAMPLE	4/9/18 17:25	4/19/18 8:28	bottom of boring at ~1.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796613	F-GS18	FIELD_SAMPLE	4/9/18 17:25	4/19/18 8:36	bottom of boring at ~1.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796591	F-GS19	FIELD_SAMPLE	4/10/18 17:40	4/19/18 8:34	bottom of boring at ~1.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796592	F-GS20	FIELD_SAMPLE	4/9/18 13:31	4/19/18 8:40	bottom of boring at ~1.1' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796593	F-GS21	FIELD_SAMPLE	4/9/18 13:38	4/19/18 8:40	bottom of boring at ~1.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796582	F-GS22	FIELD_SAMPLE	4/9/18 13:50	4/19/18 8:44	bottom of boring at ~1.5' bgs, parking lot on the West side of	Asphalt	No	No	No	SAND
796583	F-GS23	FIELD_SAMPLE	4/9/18 16:25	4/19/18 8:43	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796584	F-GS24	FIELD_SAMPLE	4/9/18 16:20	4/19/18 8:52	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796585	F-GS25	FIELD_SAMPLE	4/9/18 16:30	4/19/18 8:47	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796587	F-GS26	FIELD_SAMPLE	4/9/18 16:50	4/19/18 8:52	bottom of boring at ~2.5' bgs, planter box southwest of building.	Bare soil	No	No	No	SAND
796586	F-GS27	FIELD_SAMPLE	4/9/18 16:40	4/19/18 8:55	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796576	F-GS28	FIELD_SAMPLE	4/9/18 16:59	4/19/18 8:56	bottom of boring at ~1.1' bgs, west side of building.	Asphalt	No	No	No	SAND
796577	F-GS29	FIELD_SAMPLE	4/9/18 17:12	4/19/18 9:01	bottom of boring at ~2.5' bgs, planter box Northwest side of building.	Bare soil	No	No	No	SAND
796581	F-GS30	FIELD_SAMPLE	4/10/18 7:45	4/19/18 9:40	bottom of boring at ~2.5' bgs, parking lot North side of building.	Asphalt	No	No	Yes	LOAMY_SAND
796569	F-GS31	FIELD_SAMPLE	4/10/18 7:55	4/19/18 9:38	bottom of boring at ~2.5' bgs, parking lot North side of building.	Asphalt	No	No	No	SAND
796570	F-GS32	FIELD_SAMPLE	4/10/18 8:01	4/19/18 9:34	bottom of boring at ~2.5' bgs, parking lot North side of building.	Asphalt	No	No	No	SAND
796571	F-GS33	FIELD_SAMPLE	4/10/18 8:10	4/19/18 9:33	bottom of boring at ~1.5' bgs, parking lot North side of building.	Asphalt	No	No	No	SAND



210 Executive Drive, Suite 1
 Newark, DE USA 19702-3335
 ph: 302-266-2428

AGI Project No. ENV 01977
Site Name: 1065-010
Site Location: Bellevue, WA

**AGI Soil Gas Sampling
 Installation & Retrieval Log**

Company Name: Farallon Consulting LLC
Location: Issaquah, WA
Samples collected by: Greg Peters & Kyle Korbines

* Optional or as needed

SAMPLER SERIAL NO.	FIELD ID* (e.g., arbitrary, US EPA)	SAMPLE TYPE (Field Sample, Trip Blank, Field Blank, etc.)	INSTALLATION DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/27/2000 13:00	RETRIEVAL DATE & TIME MM/DD/YYYY HH:MM (24 Hour) ex. 12/30/2000 13:00	OBSERVATIONS/COMMENTS* (e.g., sample depth, location description, missing, pulled from hole, etc. - as needed)	SAMPLE ENVIRONMENT* (e.g., grass, bare soil, through)	YES / NO			SOIL TYPE AT MODULE DEPTH (clay, loamy sand etc.)
							EVIDENCE OF LIQUID PETROLEUM HYDROCARBONS?	ODOR ?	WATER IN INSTALLATION HOLE?	
796616	F-GS34	FIELD_SAMPLE	4/10/18 12:01	4/19/18 9:42	bottom of boring at ~1.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796614	F-GS35	FIELD_SAMPLE	4/10/18 12:43	4/19/18 9:47	bottom of boring at ~1.0' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796558	F-GS36	FIELD_SAMPLE	4/10/18 10:40	4/19/18 9:49	bottom of boring at ~2.5' bgs, planter Box North side of building	Bare Soil	No	No	Yes	LOAMY_SAND
796559	F-GS37	FIELD_SAMPLE	4/10/18 10:50	4/19/18 10:12	bottom of boring at ~1.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796617	F-GS38	FIELD_SAMPLE	4/10/18 12:10	4/19/18 9:54	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796619	F-GS39	FIELD_SAMPLE	4/10/18 11:30	4/19/18 9:57	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796561	F-GS40	FIELD_SAMPLE	4/10/18 11:12	4/19/18 9:57	bottom of boring at ~1.0' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796615	F-GS41	FIELD_SAMPLE	4/10/18 11:20	4/19/18 9:55	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796557	F-GS42	FIELD_SAMPLE	4/10/18 10:05	4/19/18 9:45	bottom of boring at ~1.4' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796618	F-GS43	FIELD_SAMPLE	4/10/18 11:45	4/19/18 10:15	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796560	F-GS44	FIELD_SAMPLE	4/10/18 11:09	4/19/18 10:10	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796556	F-GS45	FIELD_SAMPLE	4/10/18 9:29	4/19/18 10:06	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	Yes	SAND
796568	F-GS46	FIELD_SAMPLE	4/10/18 9:23	4/19/18 10:00	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	Yes	SAND
796567	F-GS47	FIELD_SAMPLE	4/10/18 9:17	4/19/18 10:04	bottom of boring at ~2.5' bgs, parking lot North side of building	Asphalt	No	No	No	SAND
796572	F-GS48	FIELD_SAMPLE	4/10/18 8:24	4/19/18 9:24	bottom of boring at ~2.5' bgs, westside of building.	Asphalt	No	No	No	SAND
796566	F-GS49	FIELD_SAMPLE	4/10/18 8:58	4/19/18 9:25	bottom of boring at ~2.0' bgs, westside of building.	Asphalt	No	No	No	SAND
796574	F-GS50	FIELD_SAMPLE	4/10/18 8:30	4/19/18 9:28	bottom of boring at ~2.5' bgs, eastside of building.	Asphalt	No	No	No	SAND
796565	F-GS51	FIELD_SAMPLE	4/10/18 8:51	4/19/18 9:20	bottom of boring at ~2.5' bgs, westside of building.	Asphalt	No	No	No	SAND
796575	F-GS52	FIELD_SAMPLE	4/10/18 8:36	4/19/18 9:30	bottom of boring at ~2.5' bgs, eastside of building.	Asphalt	No	No	No	SAND
796562	F-GS53	FIELD_SAMPLE	4/10/18 8:42	4/19/18 9:04	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND
796563	F-GS54	FIELD_SAMPLE	4/10/18 8:46	4/19/18 9:02	bottom of boring at ~2.5' bgs, parking lot outside of building.	Asphalt	No	No	No	SAND



AGI Soil Gas Sampling
Installation & Retrieval Log

* Optional or as needed

MIMUM PROVIDE SOIL TYPE						
SAMPLER SERIAL NO.	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of	PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
796590	NA	NA	NA	NA	NA	NA
796610	NA	NA	NA	NA	NA	NA
796611	NA	NA	NA	NA	NA	NA
796612	NA	NA	NA	NA	NA	NA
796600			1304238.852	228327.8513	Washington State Plane North (HARN)	North American Datum - 1983
796601			1304237.795	228308.869	Washington State Plane North (HARN)	North American Datum - 1983
796602			1304233.14	228277.4523	Washington State Plane North (HARN)	North American Datum - 1983
796603			1304204.188	228278.5355	Washington State Plane North (HARN)	North American Datum - 1983
796608			1304205.984	228246.6484	Washington State Plane North (HARN)	North American Datum - 1983
796609			1304184.398	228278.6255	Washington State Plane North (HARN)	North American Datum - 1983
796596			1304154.369	228279.6684	Washington State Plane North (HARN)	North American Datum - 1983
796594			1304144.059	228245.6475	Washington State Plane North (HARN)	North American Datum - 1983
796595			1304117.497	228278.5581	Washington State Plane North (HARN)	North American Datum - 1983
796579			1304085.608	228273.2758	Washington State Plane North (HARN)	North American Datum - 1983
796597			1304086.682	228254.4049	Washington State Plane North (HARN)	North American Datum - 1983
796598			1304055.693	228274.4019	Washington State Plane North (HARN)	North American Datum - 1983
796599			1304024.175	228276.8676	Washington State Plane North (HARN)	North American Datum - 1983
796580			1304022.508	228261.161	Washington State Plane North (HARN)	North American Datum - 1983
796588			1303997.617	228286.3987	Washington State Plane North (HARN)	North American Datum - 1983
796589			1303991.287	228300.745	Washington State Plane North (HARN)	North American Datum - 1983
796578			1303997.027	228335.9679	Washington State Plane North (HARN)	North American Datum - 1983
796613			1303997.494	228361.5953	Washington State Plane North (HARN)	North American Datum - 1983
796591			1303987.722	228393.3285	Washington State Plane North (HARN)	North American Datum - 1983
796592			1303973.232	228390.1713	Washington State Plane North (HARN)	North American Datum - 1983
796593			1303968.701	228365.3633	Washington State Plane North (HARN)	North American Datum - 1983
796582			1303971.691	228335.6546	Washington State Plane North (HARN)	North American Datum - 1983
796583			1303973.04	228304.9576	Washington State Plane North (HARN)	North American Datum - 1983
796584			1303977.601	228282.2273	Washington State Plane North (HARN)	North American Datum - 1983
796585			1303975.816	228249.8232	Washington State Plane North (HARN)	North American Datum - 1983
796587			1303872.06	228252.3951	Washington State Plane North (HARN)	North American Datum - 1983
796586			1303909.965	228278.1126	Washington State Plane North (HARN)	North American Datum - 1983
796576			1303909.18	228342.5356	Washington State Plane North (HARN)	North American Datum - 1983
796577			1303888.286	228412.9401	Washington State Plane North (HARN)	North American Datum - 1983
796581			1304029.967	228399.5358	Washington State Plane North (HARN)	North American Datum - 1983
796569			1304030.266	228387.2365	Washington State Plane North (HARN)	North American Datum - 1983
796570			1304028.538	228365.0755	Washington State Plane North (HARN)	North American Datum - 1983
796571			1304045.899	228373.6476	Washington State Plane North (HARN)	North American Datum - 1983



AGI Soil Gas Sampling
Installation & Retrieval Log

* Optional or as needed

NIMM PROVIDE SOIL TYPE						
SAMPLER SERIAL NO.	TOTAL SOIL POROSITY AT MODULE DEPTH* (total volume of	WATER FILLED SOIL POROSITY AT MODULE DEPTH* (volume of	PROJECTED COORDINATES X (EASTING)	PROJECTED COORDINATES Y (NORTHING)	COORDINATE SYSTEM* (e.g., UTM Zone, Stateplane, etc.)	COORDINATE DATUM* (e.g., WGS 84)
796616			1304041.136	228384.853	Washington State Plane North (HARN)	North American Datum - 1983
796614			1304060.185	228398.87	Washington State Plane North (HARN)	North American Datum - 1983
796558			1304077.721	228396.5722	Washington State Plane North (HARN)	North American Datum - 1983
796559			1304128.03	228394.9454	Washington State Plane North (HARN)	North American Datum - 1983
796617			1304206.787	228398.6146	Washington State Plane North (HARN)	North American Datum - 1983
796619			1304209.047	228373.893	Washington State Plane North (HARN)	North American Datum - 1983
796561			1304175.891	228372.1867	Washington State Plane North (HARN)	North American Datum - 1983
796615			1304145.536	228371.3002	Washington State Plane North (HARN)	North American Datum - 1983
796557			1304092.115	228386.7921	Washington State Plane North (HARN)	North American Datum - 1983
796618			1304209.469	228341.9213	Washington State Plane North (HARN)	North American Datum - 1983
796560			1304176.923	228342.719	Washington State Plane North (HARN)	North American Datum - 1983
796556			1304145.985	228341.6599	Washington State Plane North (HARN)	North American Datum - 1983
796568			1304119.031	228345.2361	Washington State Plane North (HARN)	North American Datum - 1983
796567			1304093.858	228346.2127	Washington State Plane North (HARN)	North American Datum - 1983
796572			1304064.886	228352.072	Washington State Plane North (HARN)	North American Datum - 1983
796566			1304076.388	228337.3151	Washington State Plane North (HARN)	North American Datum - 1983
796574			1304064.452	228321.6901	Washington State Plane North (HARN)	North American Datum - 1983
796565			1304075.845	228308.3437	Washington State Plane North (HARN)	North American Datum - 1983
796575			1304062.933	228293.4783	Washington State Plane North (HARN)	North American Datum - 1983
796562			1304043.254	228285.0074	Washington State Plane North (HARN)	North American Datum - 1983
796563			1304017.504	228286.388	Washington State Plane North (HARN)	North American Datum - 1983

AMPLIFIED GEOCHEMICAL IMAGING ANALYTICAL RESULTS
 210 EXECUTIVE DRIVE, SUITE 1, NEWARK, DE
 FARALLON CONSULTING, ISSAQUAH, WA
 AGI TARGET COMPOUNDS & BTEX
 1065-010
 ORDER #01977

DATAFILE	FIELD	DATE/ TIME														
NAME	ID	ANALYZED	DF	TPH, ug	VC, ug	MTBE, ug	11DCE, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	111TCA, ug	12DCA, ug	BENZ, ug	CCl4, ug	
RL=				0.50	0.20	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
00796556	F-GS45	4/24/18 18:38	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796557	F-GS42	4/24/18 7:22	1	1.52	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796558	F-GS36	4/24/18 21:52	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796559	F-GS37	4/24/18 17:41	1	17.1	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796560	F-GS44	4/24/18 4:35	1	2.00	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796561	F-GS40	4/24/18 18:10	1	1.73	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	
00796562	F-GS53	4/24/18 13:02	1	28.9	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	0.19	<0.02	<0.02	<0.02	<0.02	
00796563	F-GS54	4/24/18 15:50	1	61.3	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796565	F-GS51	4/24/18 17:13	1	0.57	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796566	F-GS49	4/24/18 3:39	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	0.04	<0.02	
00796567	F-GS47	4/24/18 23:16	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	2.16	<0.02	<0.02	<0.02	<0.02	
00796568	F-GS46	4/24/18 1:19	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796569	F-GS31	4/24/18 1:47	1	12.7	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796570	F-GS32	4/23/18 21:36	1	0.84	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796571	F-GS33	4/23/18 22:59	1	27.6	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796572	F-GS48	4/24/18 16:45	1	1.49	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796574	F-GS50	4/24/18 6:54	1	44.7	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796575	F-GS52	4/24/18 21:24	1	8.64	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796576	F-GS28	4/24/18 13:30	1	1.30	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796577	F-GS29	4/24/18 11:11	1	4.63	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796578	F-GS17	4/24/18 15:22	1	9.71	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796579	F-GS10	4/23/18 19:17	1	87.9	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796580	F-GS14	4/24/18 5:30	1	14.9	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	
00796581	F-GS30	4/24/18 19:05	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796582	F-GS22	4/24/18 22:48	1	25.4	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	
00796583	F-GS23	4/23/18 17:53	1	9.29	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796584	F-GS24	4/24/18 12:24	1	1.25	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796585	F-GS25	4/24/18 13:58	1	0.62	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796586	F-GS27	4/23/18 23:55	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796587	F-GS26	4/24/18 4:07	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796588	F-GS15	4/24/18 10:43	1	24.3	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796589	F-GS16	4/24/18 16:18	1	16.8	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796591	F-GS19	4/23/18 18:49	1	3.57	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796592	F-GS20	4/23/18 18:21	1	26.4	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796593	F-GS21	4/24/18 11:39	1	43.7	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796594	F-GS08	4/23/18 16:28	1	32.5	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.08	<0.02	
00796595	F-GS09	4/23/18 23:27	1	1.46	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	
00796596	F-GS07	4/23/18 16:00	1	49.4	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796597	F-GS11	4/23/18 22:32	1	11.8	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.07	<0.02	

AMPLIFIED GEOCHEMICAL IMAGING ANALYTICAL RESULTS
 210 EXECUTIVE DRIVE, SUITE 1, NEWARK, DE
 FARALLON CONSULTING, ISSAQUAH, WA
 AGI TARGET COMPOUNDS & BTEX
 1065-010
 ORDER #01977

DATAFILE	FIELD	DATE/ TIME														
NAME	ID	ANALYZED	DF	TPH, ug	VC, ug	MTBE, ug	11DCE, ug	t12DCE, ug	11DCA, ug	c12DCE, ug	CHCl3, ug	111TCA, ug	12DCA, ug	BENZ, ug	CCl4, ug	
RL=				0.50	0.20	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
00796598	F-GS12	4/23/18 22:04	1	0.64	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796599	F-GS13	4/24/18 22:20	1	162	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796600	F-GS01	4/23/18 16:56	1	2.21	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.07	<0.02	
00796601	F-GS02	4/23/18 17:25	1	10.6	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	
00796602	F-GS03	4/23/18 20:12	1	5.00	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796603	F-GS04	4/24/18 5:02	1	52.8	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	
00796608	F-GS05	4/24/18 5:58	1	118	<0.20	<0.02	<0.02	0.09	<0.02	2.56	<0.02	<0.02	<0.02	0.14	<0.02	
00796609	F-GS06	4/24/18 6:26	1	147	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	
00796613	F-GS18	4/24/18 9:47	1	0.80	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796614	F-GS35	4/24/18 23:44	1	3.78	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796615	F-GS41	4/24/18 20:57	1	2.73	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	
00796616	F-GS34	4/24/18 10:15	1	2.84	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796617	F-GS38	4/24/18 3:10	1	2.18	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	
00796618	F-GS43	4/24/18 12:51	1	16.9	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796619	F-GS39	4/24/18 12:06	1	8.14	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796610	Trip Blank	4/24/18 19:33	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796611	Trip Blank	4/24/18 12:34	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
00796612	Trip Blank	4/23/18 19:45	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
BLK-1	Method Blank	4/23/18 15:31	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	
BLK-2	Method Blank	4/24/18 8:17	1	<0.50	<0.20	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	

AMPLIFIED GEOCHEMICAL IMAGING ANALYTICAL RESULTS
 210 EXECUTIVE DRIVE, SUITE 1, NEWARK, DE
 FARALLON CONSULTING, ISSAQUAH, WA
 AGI TARGET COMPOUNDS & BTEX
 1065-010
 ORDER #01977

DATAFILE	TCE, ug	112TCA, ug	TOL, ug	OCT, ug	PCE, ug	CIBENZ, ug	1112TetCA, ug	ETBENZ, ug	mpXYL, ug	oXYL, ug	BTEX, ug	1122TetCA, ug	135TMB, ug	124TMB, ug
NAME	RL=	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
00796556	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.02
00796557	<0.02	<0.02	0.03	0.03	0.04	<0.02	<0.02	<0.02	0.04	0.02	0.11	<0.02	<0.02	0.02
00796558	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
00796559	<0.02	<0.02	0.02	0.26	<0.02	<0.02	<0.02	0.57	2.48	1.01	4.12	<0.02	0.03	0.08
00796560	<0.02	<0.02	<0.02	0.07	<0.02	<0.02	<0.02	0.22	0.44	0.12	0.77	<0.02	<0.02	<0.02
00796561	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	<0.02	0.08	<0.02	0.04	0.06
00796562	<0.02	<0.02	0.04	0.20	3.12	<0.02	<0.02	0.67	3.40	1.76	5.88	<0.02	0.06	0.20
00796563	<0.02	<0.02	<0.02	0.36	0.79	<0.02	<0.02	1.52	7.17	3.87	12.6	<0.02	0.14	0.41
00796565	<0.02	<0.02	<0.02	0.02	0.06	<0.02	<0.02	0.05	0.12	0.05	0.26	<0.02	<0.02	<0.02
00796566	<0.02	<0.02	0.04	0.03	0.02	<0.02	<0.02	<0.02	0.07	0.04	0.20	<0.02	<0.02	<0.02
00796567	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02
00796568	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
00796569	<0.02	<0.02	0.03	0.25	0.03	<0.02	<0.02	1.21	5.01	2.08	8.36	<0.02	0.04	0.11
00796570	<0.02	<0.02	0.02	<0.02	0.09	<0.02	<0.02	<0.02	<0.02	<0.02	0.07	<0.02	<0.02	<0.02
00796571	<0.02	<0.02	0.05	0.78	0.28	<0.02	<0.02	3.12	12.8	5.55	21.6	<0.02	0.03	0.08
00796572	<0.02	<0.02	<0.02	<0.02	0.09	<0.02	<0.02	0.07	0.18	0.09	0.38	<0.02	<0.02	<0.02
00796574	<0.02	<0.02	0.03	0.39	1.78	<0.02	<0.02	1.53	6.35	3.74	11.7	<0.02	0.15	0.41
00796575	<0.02	<0.02	<0.02	0.05	0.82	<0.02	<0.02	0.06	0.18	0.08	0.33	<0.02	<0.02	<0.02
00796576	<0.02	<0.02	0.03	0.03	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	0.09	<0.02	<0.02	<0.02
00796577	<0.02	<0.02	<0.02	0.04	<0.02	<0.02	<0.02	0.35	1.12	0.33	1.79	<0.02	<0.02	<0.02
00796578	<0.02	<0.02	0.07	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.13	<0.02	<0.02	<0.02
00796579	<0.02	<0.02	0.02	<0.02	0.26	<0.02	<0.02	<0.02	0.04	<0.02	0.11	<0.02	<0.02	0.03
00796580	<0.02	<0.02	0.03	0.18	0.75	<0.02	<0.02	0.71	3.20	1.47	5.46	<0.02	0.04	0.09
00796581	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
00796582	<0.02	<0.02	0.02	0.35	<0.02	<0.02	<0.02	0.81	3.13	1.57	5.55	<0.02	0.04	0.11
00796583	<0.02	<0.02	<0.02	0.19	<0.02	<0.02	<0.02	0.32	1.41	0.60	2.35	<0.02	<0.02	0.04
00796584	<0.02	<0.02	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	<0.02	<0.02	<0.02
00796585	<0.02	<0.02	0.02	0.03	0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	<0.02
00796586	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	0.03	<0.02	<0.02	<0.02
00796587	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
00796588	<0.02	<0.02	0.09	<0.02	0.03	<0.02	<0.02	<0.02	0.03	0.02	0.17	<0.02	<0.02	<0.02
00796589	<0.02	<0.02	0.03	0.10	0.07	<0.02	<0.02	0.43	2.09	0.94	3.49	<0.02	0.03	0.09
00796591	<0.02	<0.02	0.04	0.04	<0.02	<0.02	<0.02	0.03	0.07	0.04	0.21	<0.02	<0.02	<0.02
00796592	<0.02	<0.02	0.02	0.22	<0.02	<0.02	<0.02	1.49	5.45	3.59	10.6	<0.02	0.13	0.34
00796593	<0.02	<0.02	0.03	0.21	<0.02	<0.02	<0.02	1.22	5.94	3.30	10.5	<0.02	0.17	0.53
00796594	<0.02	<0.02	0.05	0.24	0.26	<0.02	<0.02	1.18	4.87	2.45	8.62	<0.02	0.06	0.12
00796595	<0.02	<0.02	0.04	0.03	0.06	<0.02	<0.02	0.02	0.08	0.04	0.23	<0.02	<0.02	<0.02
00796596	<0.02	<0.02	<0.02	0.61	0.02	<0.02	<0.02	2.01	8.31	3.66	14.0	<0.02	0.09	0.23
00796597	<0.02	<0.02	0.05	0.18	0.03	<0.02	<0.02	0.76	3.28	1.43	5.59	<0.02	0.04	0.10

AMPLIFIED GEOCHEMICAL IMAGING ANALYTICAL RESULTS
 210 EXECUTIVE DRIVE, SUITE 1, NEWARK, DE
 FARALLON CONSULTING, ISSAQUAH, WA
 AGI TARGET COMPOUNDS & BTEX
 1065-010
 ORDER #01977

DATAFILE	TCE, ug	112TCA, ug	TOL, ug	OCT, ug	PCE, ug	CIBENZ, ug	1112TetCA, ug	ETBENZ, ug	mpXYL, ug	oXYL, ug	BTEX, ug	1122TetCA, ug	135TMB, ug	124TMB, ug
RL=	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
00796598	<0.02	<0.02	<0.02	<0.02	7.44	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02
00796599	<0.02	<0.02	0.04	1.24	2.07	<0.02	<0.02	3.52	14.6	8.23	26.4	<0.02	0.31	0.77
00796600	<0.02	<0.02	0.10	0.03	0.05	<0.02	<0.02	0.04	0.14	0.06	0.41	<0.02	<0.02	0.05
00796601	<0.02	<0.02	0.04	0.07	0.05	<0.02	<0.02	0.06	0.16	0.06	0.34	<0.02	<0.02	<0.02
00796602	<0.02	<0.02	<0.02	0.02	0.18	<0.02	<0.02	0.05	0.14	0.05	0.29	<0.02	<0.02	<0.02
00796603	<0.02	<0.02	0.03	0.84	0.11	<0.02	<0.02	2.78	10.4	4.62	17.8	<0.02	0.07	0.19
00796608	0.45	<0.02	0.09	0.38	4.26	<0.02	<0.02	4.40	19.8	11.2	35.6	<0.02	0.45	1.04
00796609	<0.02	<0.02	0.07	1.48	0.04	<0.02	<0.02	7.05	30.2	17.9	55.2	<0.02	0.37	0.83
00796613	<0.02	<0.02	0.03	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.08	<0.02	<0.02	<0.02
00796614	<0.02	<0.02	<0.02	0.05	<0.02	<0.02	<0.02	0.06	0.27	0.16	0.49	<0.02	<0.02	<0.02
00796615	<0.02	<0.02	0.04	0.05	<0.02	<0.02	<0.02	0.03	0.07	0.04	0.23	<0.02	<0.02	<0.02
00796616	<0.02	<0.02	0.03	0.05	0.22	<0.02	<0.02	<0.02	0.03	<0.02	0.12	<0.02	<0.02	<0.02
00796617	<0.02	<0.02	0.03	0.08	<0.02	<0.02	<0.02	0.12	0.48	0.19	0.84	<0.02	<0.02	<0.02
00796618	<0.02	<0.02	0.03	0.66	<0.02	<0.02	<0.02	1.43	3.41	1.11	5.98	<0.02	<0.02	0.03
00796619	<0.02	<0.02	<0.02	0.06	<0.02	<0.02	<0.02	0.04	0.20	0.11	0.35	<0.02	<0.02	0.02
00796610	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
00796611	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
00796612	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
BLK-1	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
BLK-2	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

AMPLIFIED GEOCHEMICAL IMAGING ANALYTICAL RESULTS
210 EXECUTIVE DRIVE, SUITE 1, NEWARK, DE
FARALLON CONSULTING, ISSAQUAH, WA
AGI TARGET COMPOUNDS & BTEX
1065-010
ORDER #01977

DATAFILE	13DCB, ug	14DCB, ug	12DCB, ug	UNDEC, ug	NAPH, ug	TRIDEC, ug	2MeNAPH, ug	Acenaphthylene, ug	PENTADEC, ug	Acenaphthene, ug	Fluorene, ug
NAME	RL=	0.02	0.02	0.02	0.05	0.05	0.05	0.05	0.05	0.05	0.05
00796556	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796557	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796558	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796559	<0.02	<0.02	<0.02	<0.02	0.07	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796560	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796561	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796562	<0.02	<0.02	<0.02	<0.02	0.27	0.30	<0.05	<0.05	<0.05	<0.05	<0.05
00796563	<0.02	<0.02	<0.02	<0.02	0.42	0.83	0.05	0.06	<0.05	<0.05	<0.05
00796565	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796566	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796567	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796568	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796569	<0.02	<0.02	<0.02	<0.02	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05
00796570	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796571	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	<0.05
00796572	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796574	<0.02	<0.02	<0.02	<0.02	0.31	0.87	<0.05	<0.05	<0.05	<0.05	<0.05
00796575	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05
00796576	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796577	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796578	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796579	<0.02	<0.02	<0.02	<0.02	1.78	<0.05	5.31	<0.05	<0.05	0.66	<0.05
00796580	<0.02	<0.02	<0.02	<0.02	0.08	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796581	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796582	<0.02	<0.02	<0.02	<0.02	0.06	0.21	<0.05	<0.05	<0.05	<0.05	<0.05
00796583	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796584	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796585	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796586	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796587	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796588	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	0.07	<0.05	<0.05	<0.05
00796589	<0.02	<0.02	<0.02	<0.02	0.08	0.13	<0.05	<0.05	<0.05	<0.05	<0.05
00796591	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796592	<0.02	<0.02	<0.02	<0.02	0.28	0.87	<0.05	<0.05	<0.05	<0.05	<0.05
00796593	<0.02	<0.02	<0.02	<0.02	0.41	0.47	<0.05	<0.05	<0.05	<0.05	<0.05
00796594	<0.02	<0.02	<0.02	<0.02	0.15	0.09	<0.05	<0.05	<0.05	<0.05	<0.05
00796595	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796596	<0.02	<0.02	<0.02	<0.02	0.06	0.26	<0.05	<0.05	<0.05	<0.05	<0.05
00796597	<0.02	<0.02	<0.02	<0.02	<0.05	0.09	<0.05	<0.05	<0.05	<0.05	<0.05

AMPLIFIED GEOCHEMICAL IMAGING ANALYTICAL RESULTS
 210 EXECUTIVE DRIVE, SUITE 1, NEWARK, DE
 FARALLON CONSULTING, ISSAQUAH, WA
 AGI TARGET COMPOUNDS & BTEX
 1065-010
 ORDER #01977

DATAFILE												
NAME	13DCB, ug	14DCB, ug	12DCB, ug	UNDEC, ug	NAPH, ug	TRIDEC, ug	2MeNAPH, ug	Acenaphthylene, ug	PENTADEC, ug	Acenaphthene, ug	Fluorene, ug	
RL=	0.02	0.02	0.02	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
00796598	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796599	<0.02	<0.02	<0.02	1.06	0.57	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796600	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796601	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796602	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796603	<0.02	<0.02	<0.02	<0.05	0.19	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796608	<0.02	<0.02	<0.02	0.59	1.60	0.28	0.43	<0.05	<0.05	<0.05	<0.05	<0.05
00796609	<0.02	<0.02	<0.02	0.26	0.78	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796613	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796614	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796615	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796616	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796617	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796618	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796619	<0.02	<0.02	<0.02	0.12	<0.05	0.15	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796610	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796611	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
00796612	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BLK-1	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
BLK-2	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05

KEY TO DATA TABLE

UNITS

µg	micrograms, relative mass value
µg/m ³	micrograms per cubic meter; estimated soil gas concentration
µg/L	micrograms per Liter; calculated water concentration

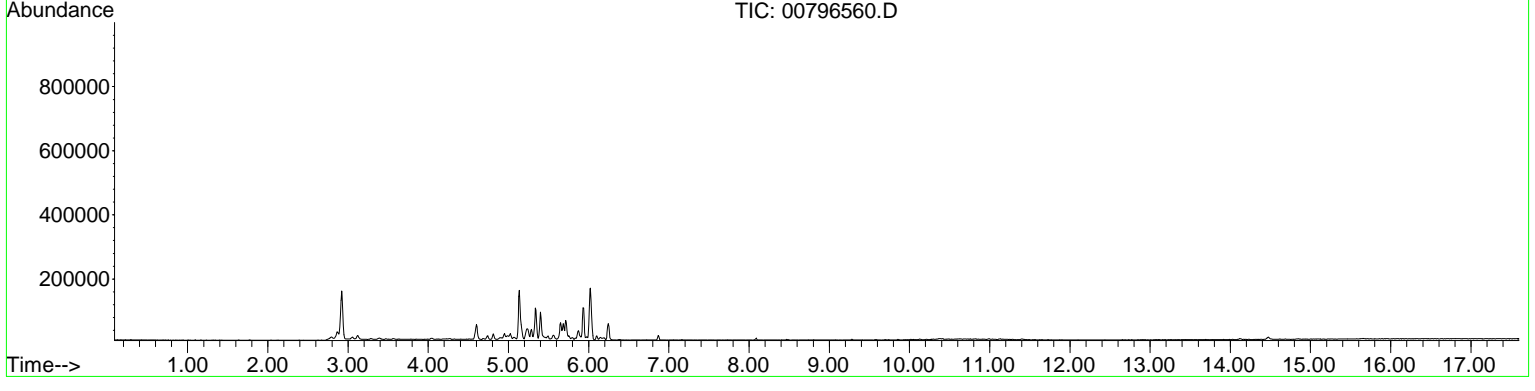
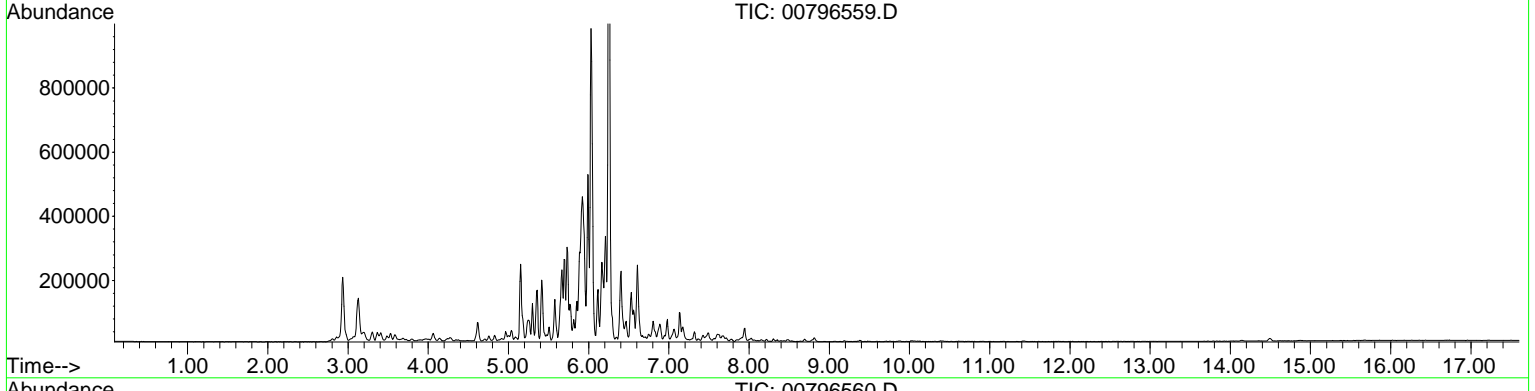
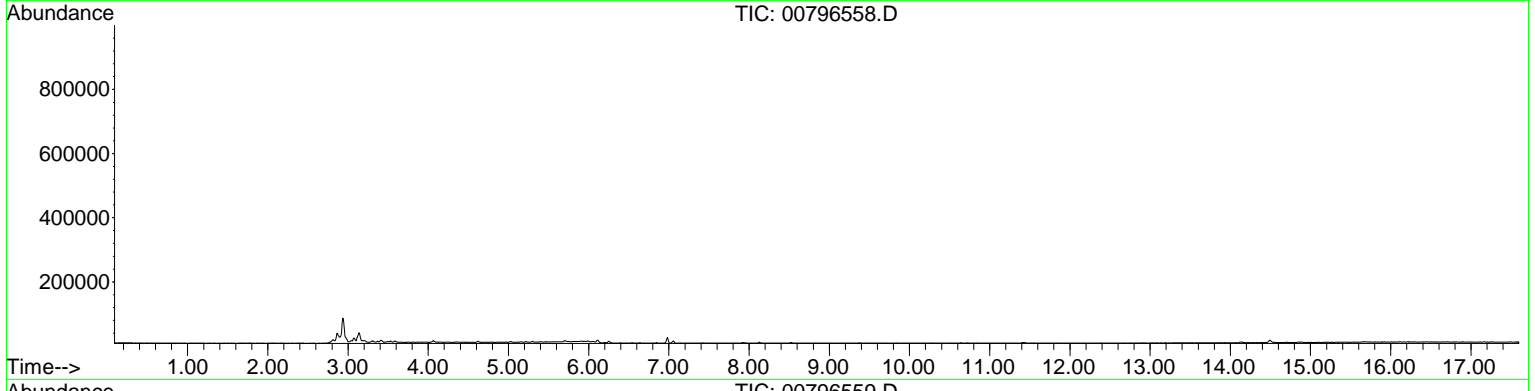
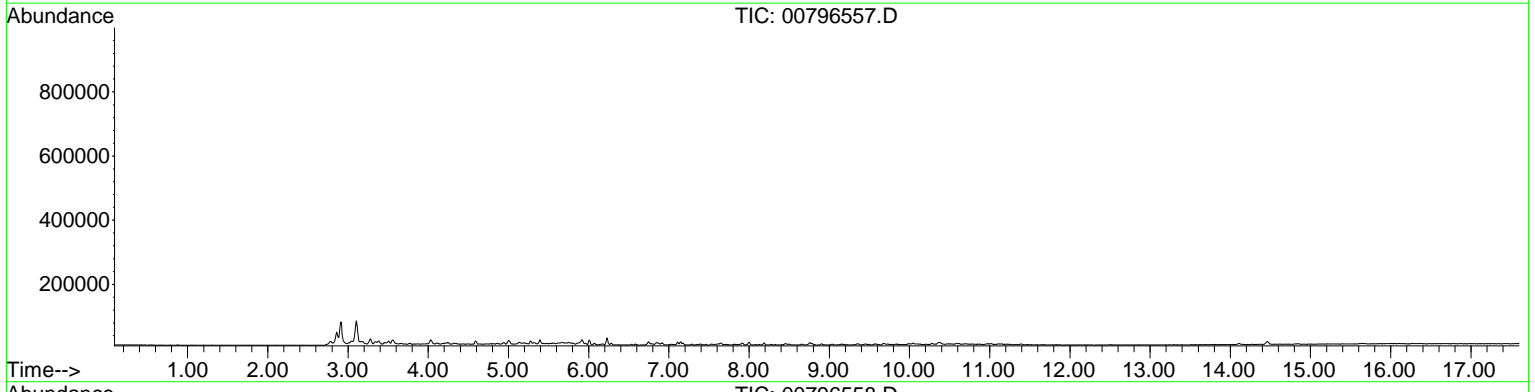
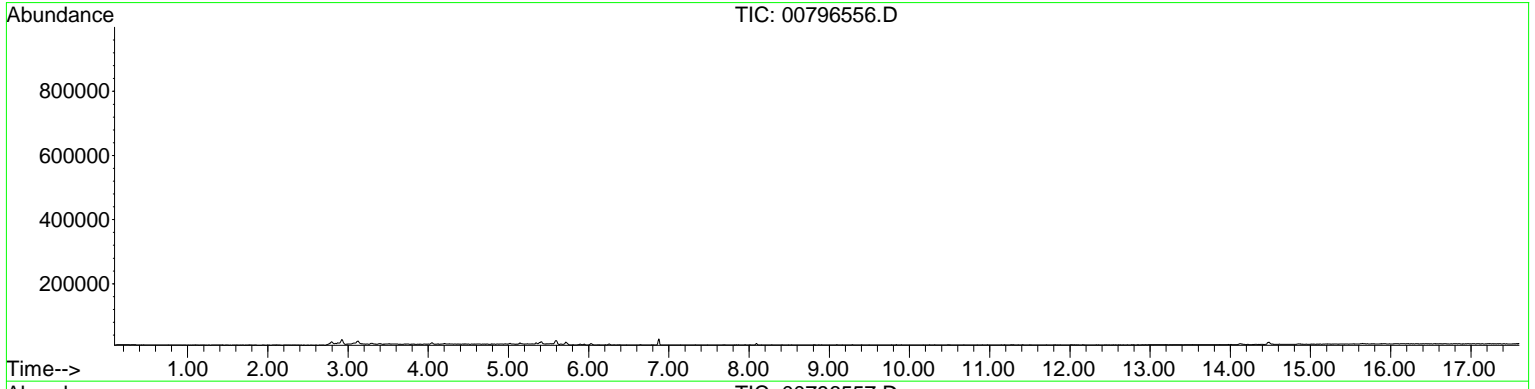
DATA QUALIFIERS

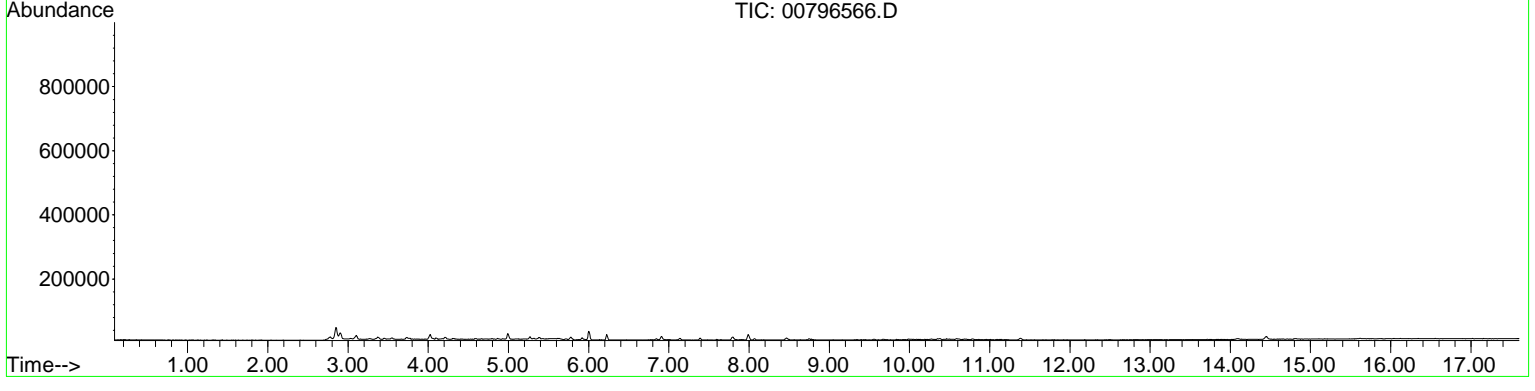
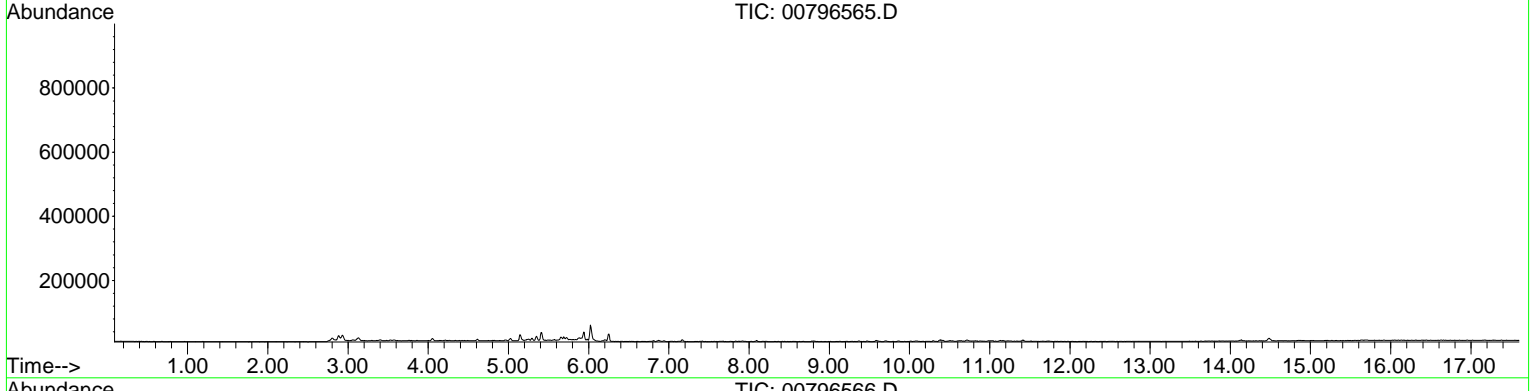
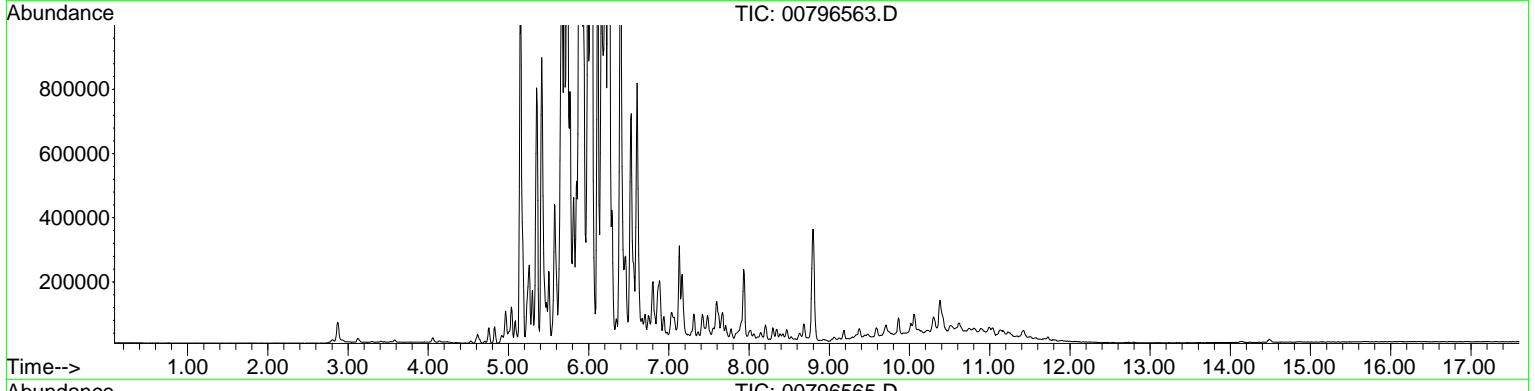
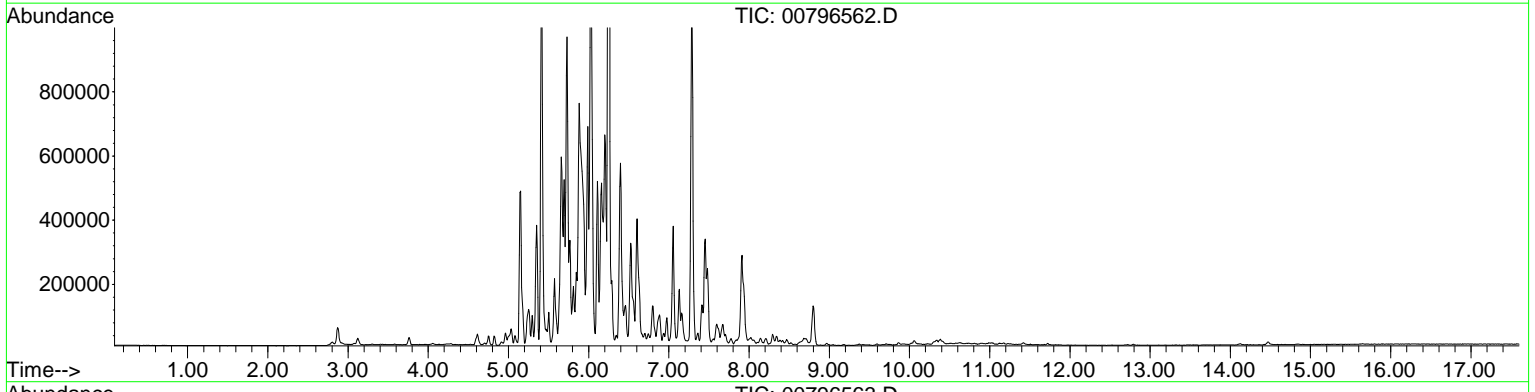
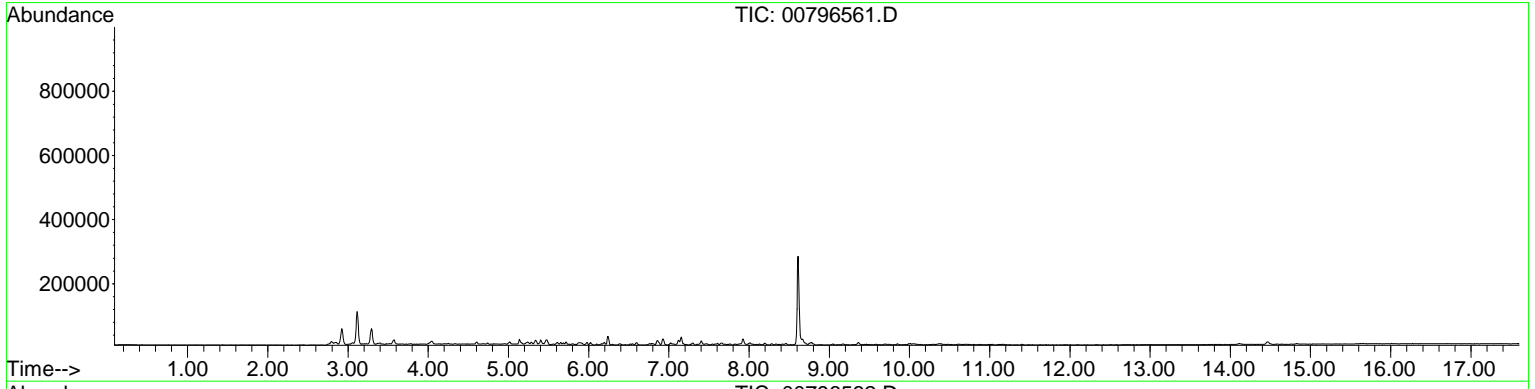
>	greater than; value exceeds calibration range, estimated value
<	less than; compound value is below the LOD and RL
J	mass value below LOQ or RL, but above LOD, estimated mass value
E	mass value exceeds upper calibration level, estimated mass value
Q	one or more quality control parameters failed for the compound

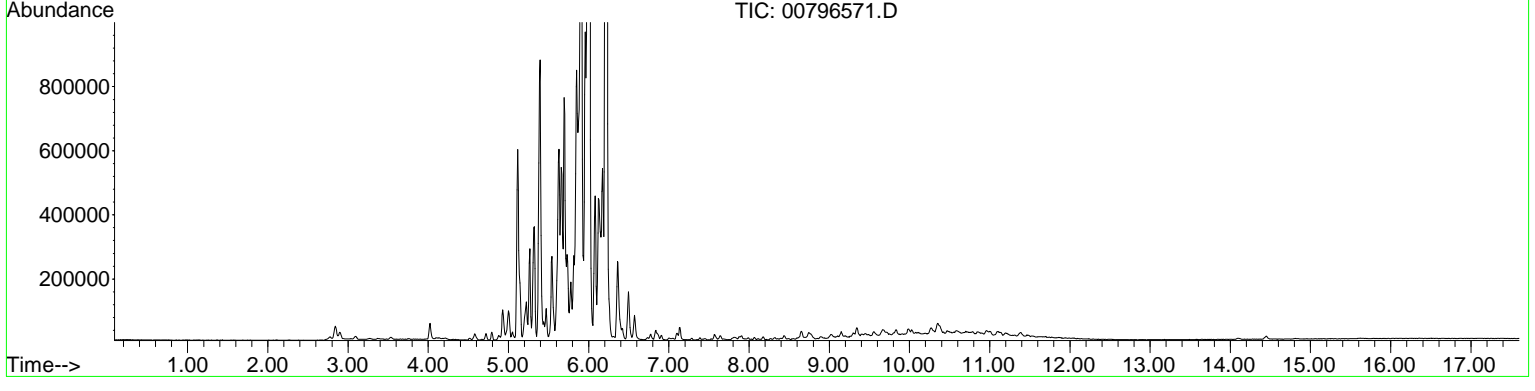
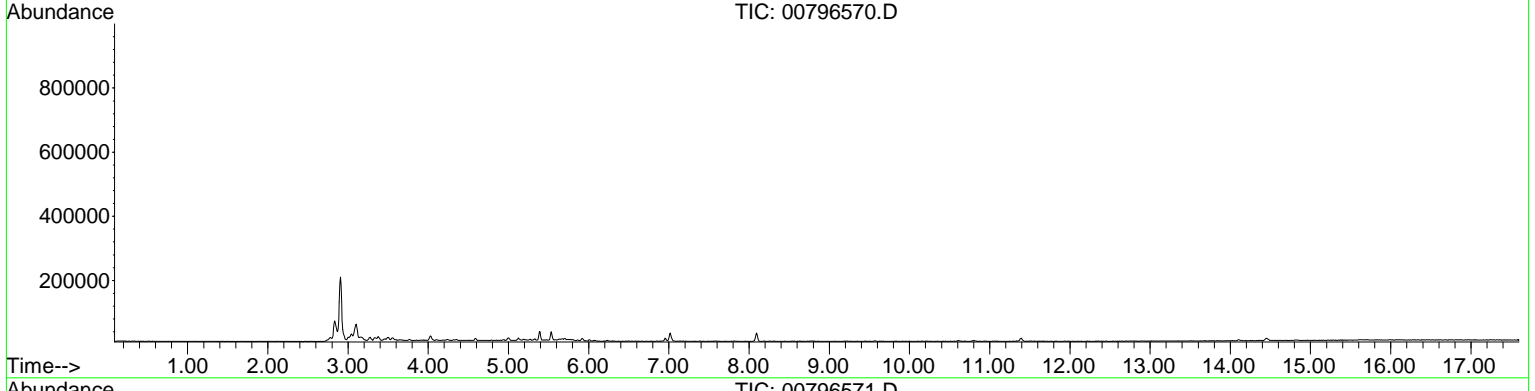
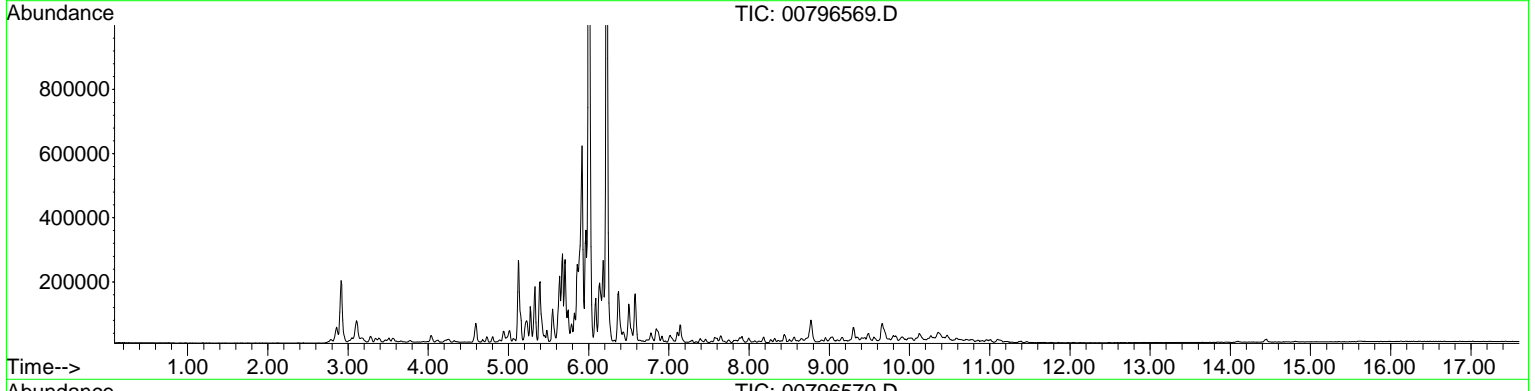
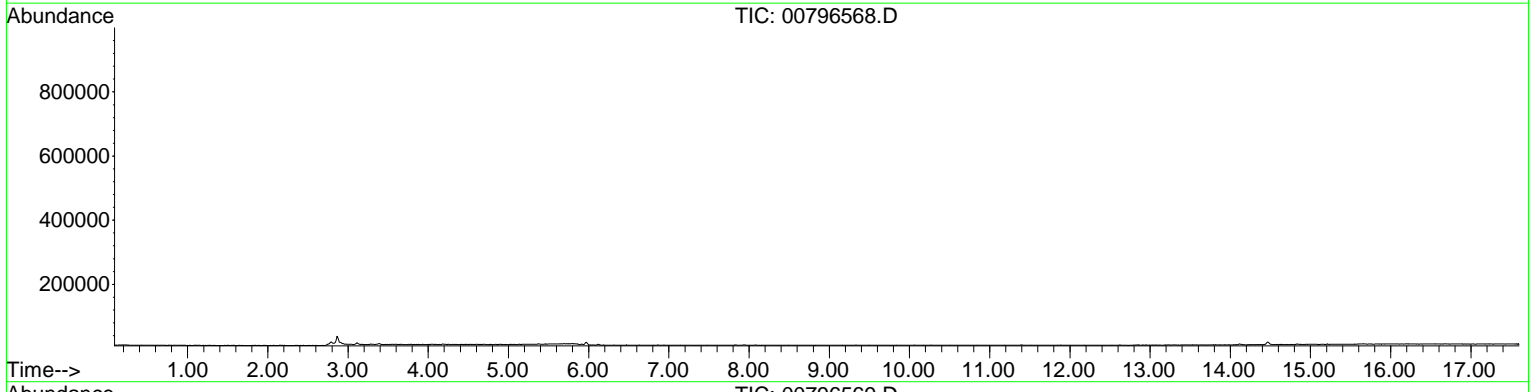
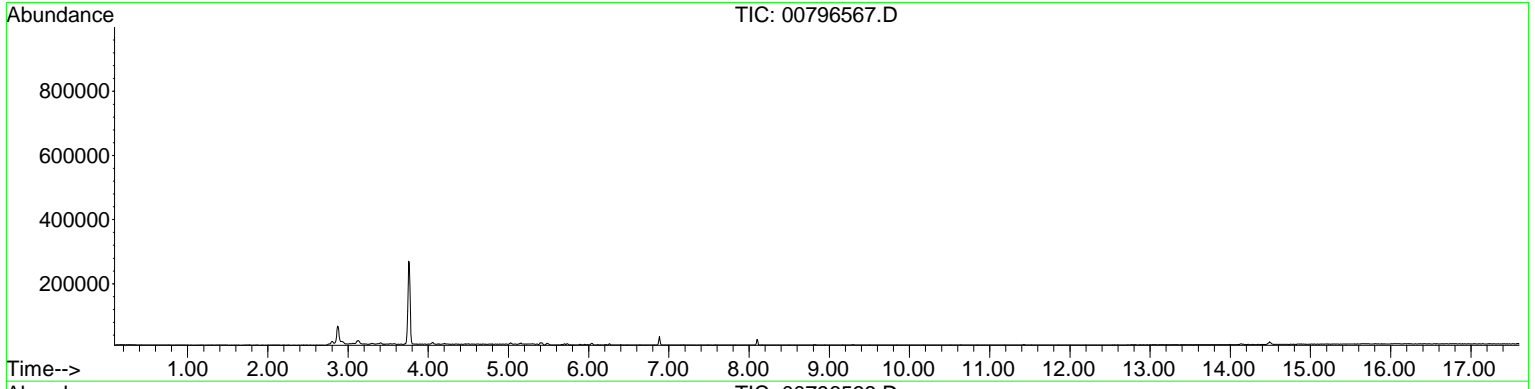
ABBREVIATIONS

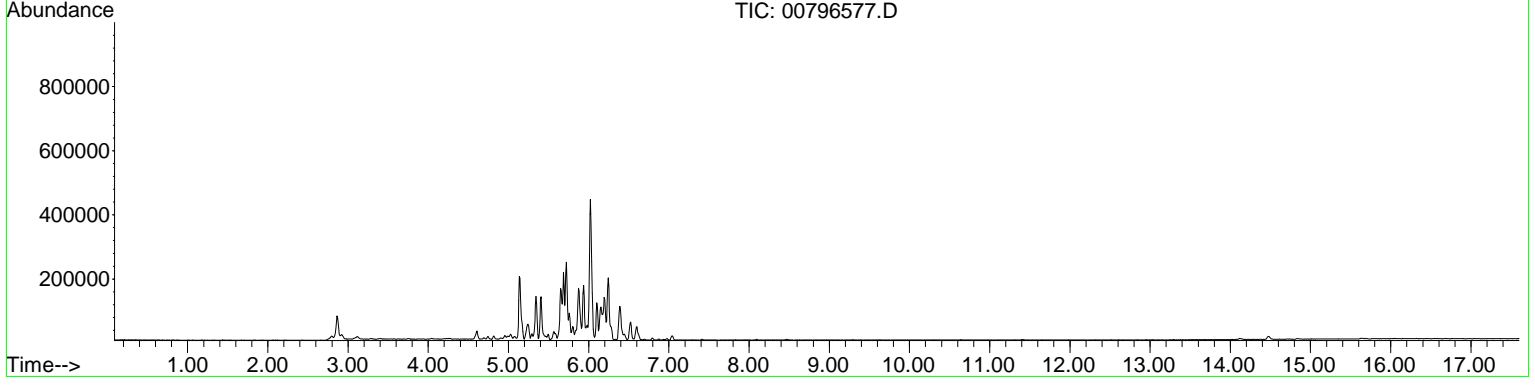
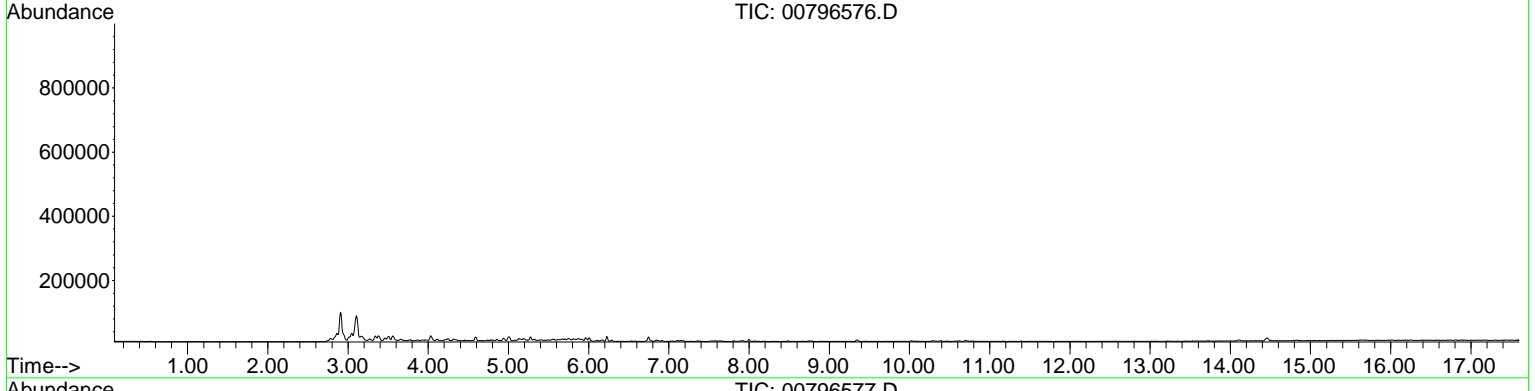
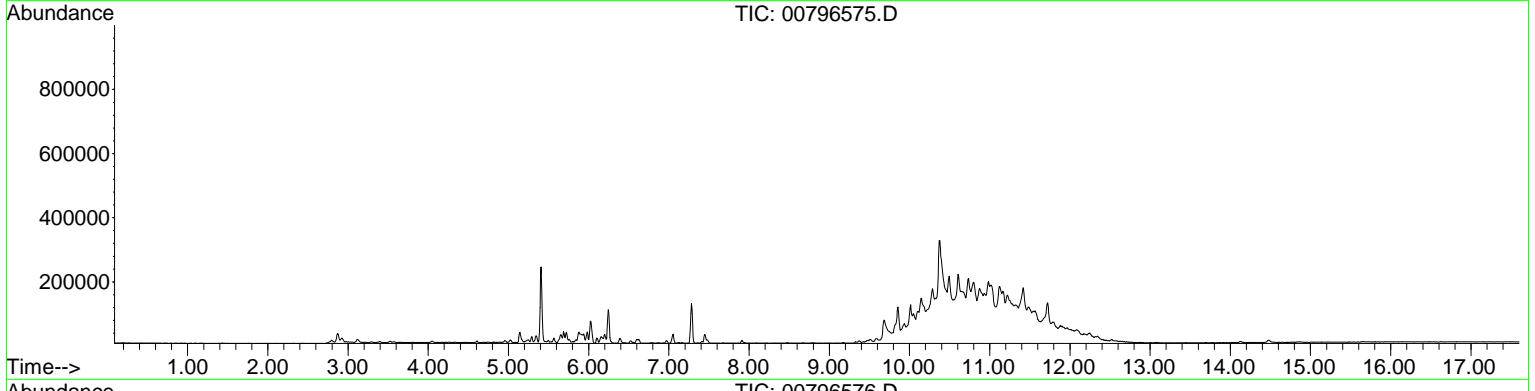
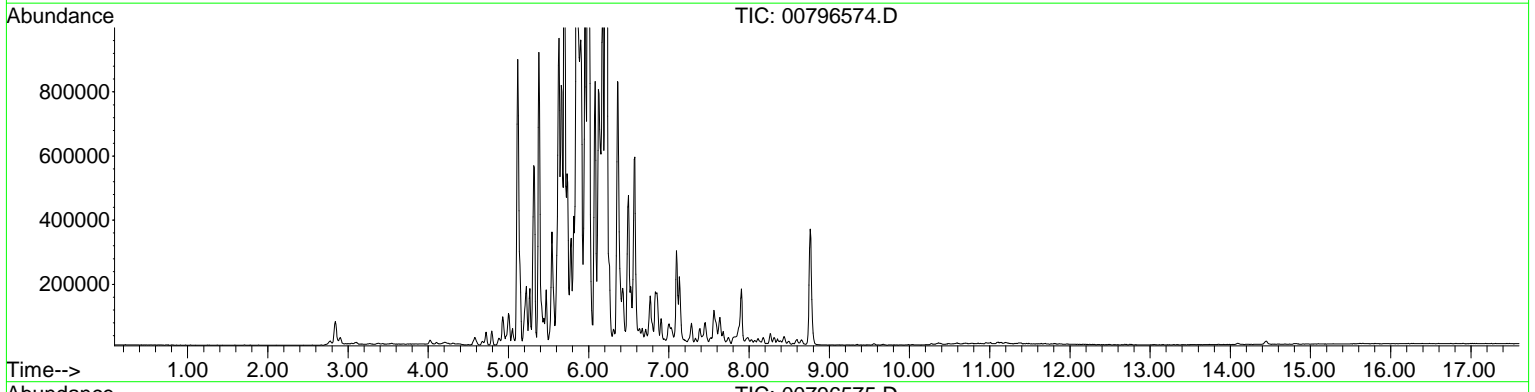
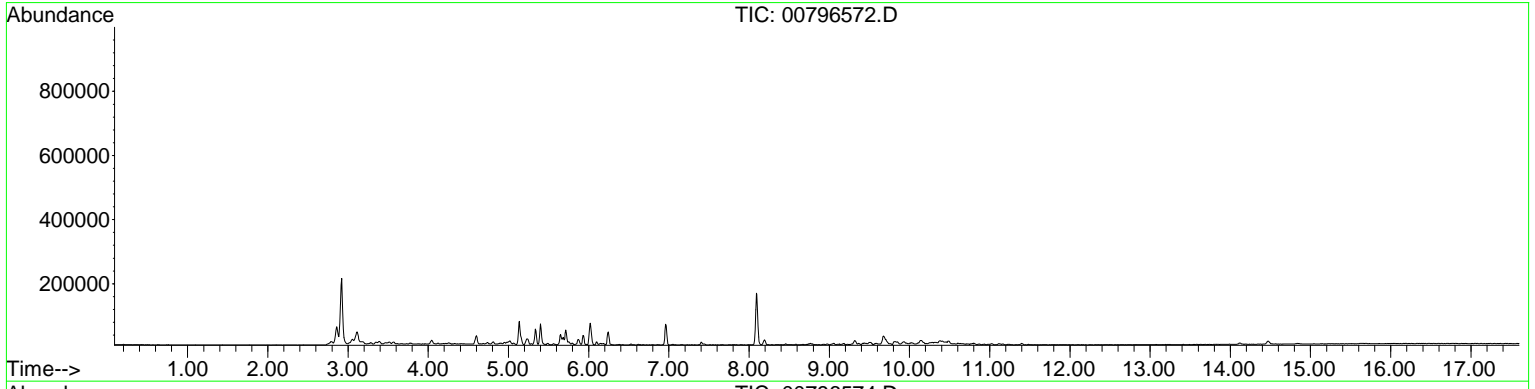
AVG RL	average reporting limit; calculated based on individual field sample RLs
LOD	limit of detection
LOQ	limit of quantification
MDL	method detection limit
RL	reporting limit

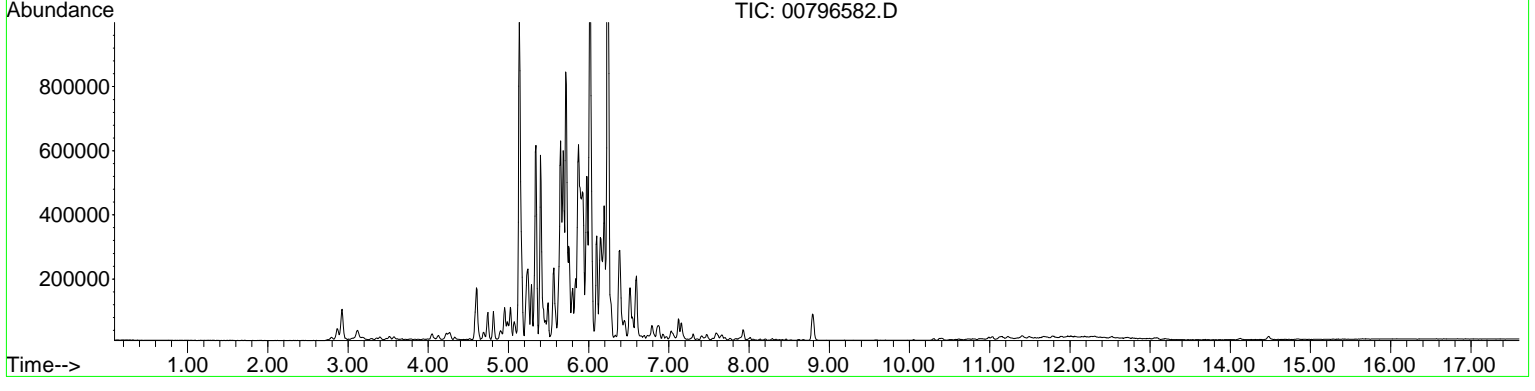
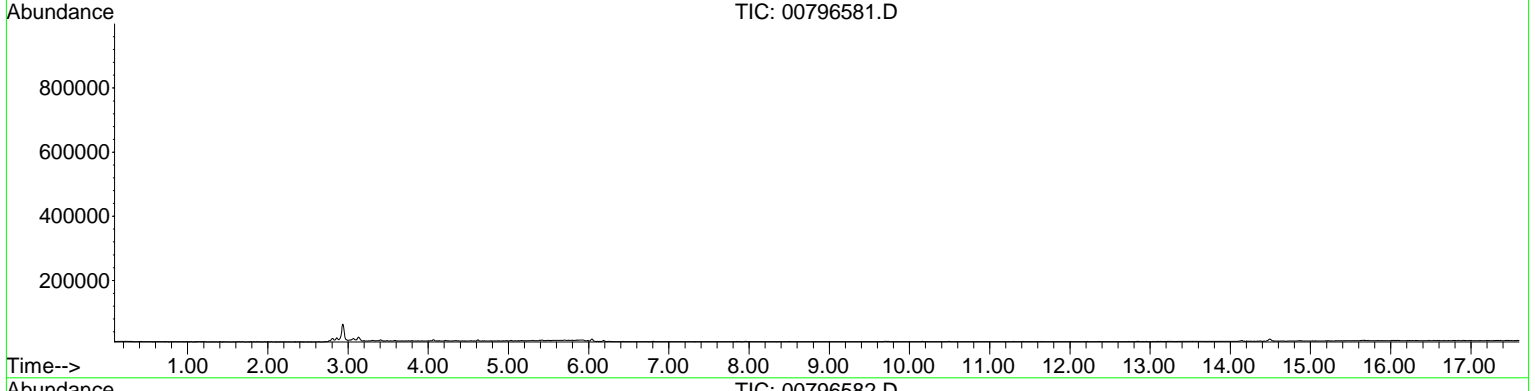
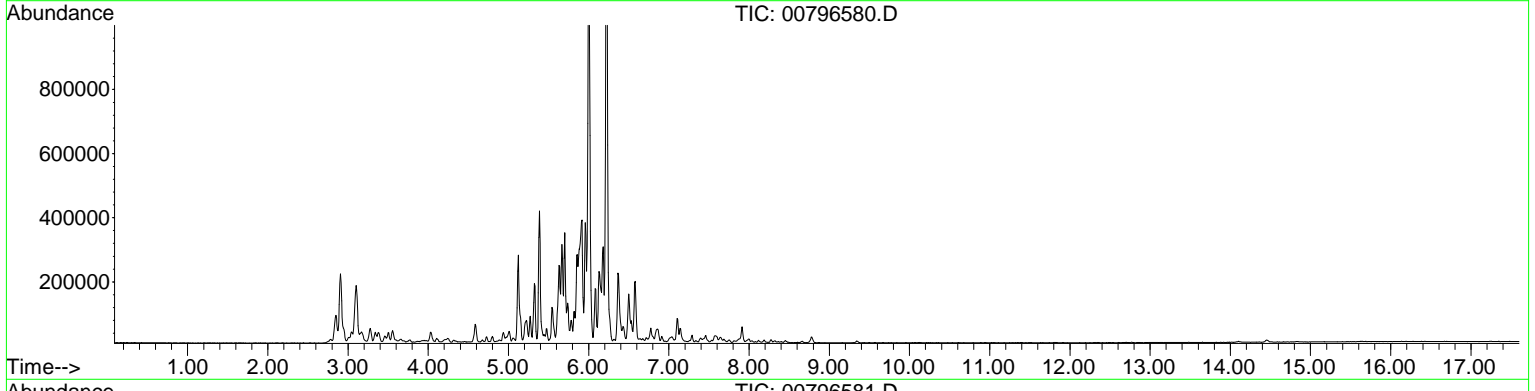
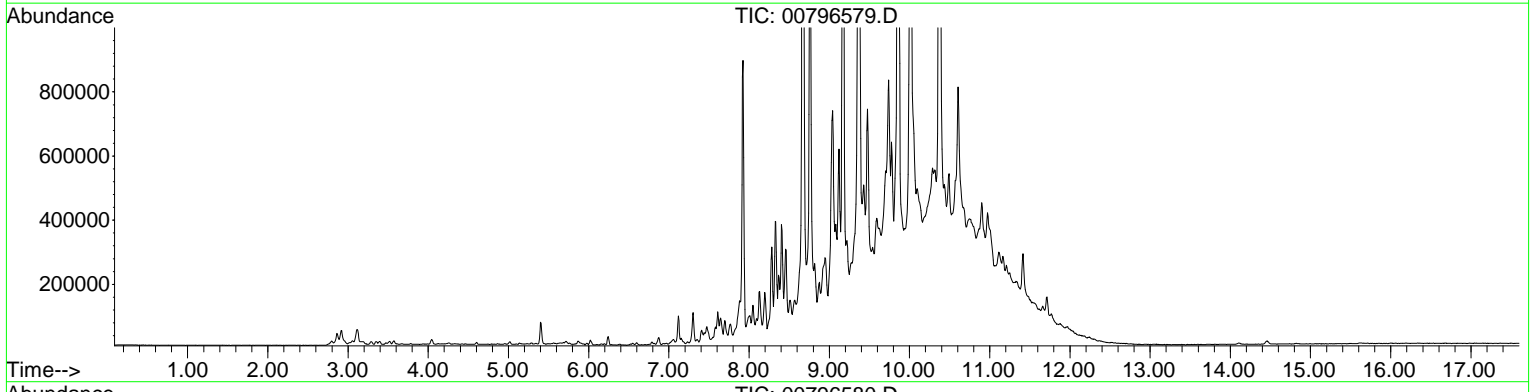
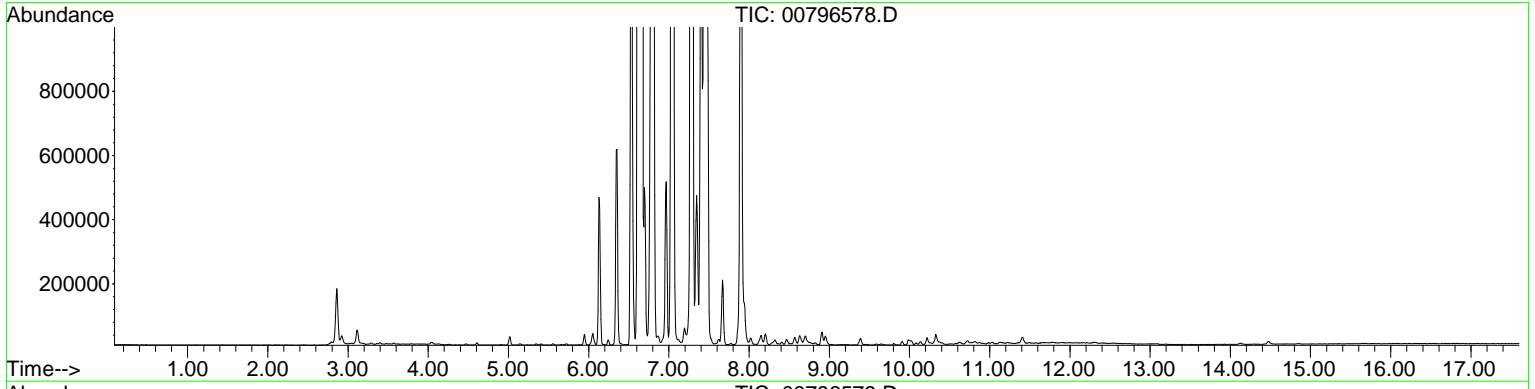
1112TetCA	1,1,1,2-tetrachloroethane	CIBENZ	chlorobenzene
111TCA	1,1,1-trichloroethane	ct12DCE	cis- & trans-1,2-dichloroethene
1122TetCA	1,1,2,2-tetrachloroethane	EtBENZ	ethylbenzene
112TCA	1,1,2-trichloroethane	mpXYL	m-, p-xylene
11DCA	1,1-dichloroethane	MTBE	methyl t-butyl ether
11DCE	1,1-dichloroethene	NAPH	naphthalene
124TMB	1,2,4-trimethylbenzene	OCT	octane
12DCA	1,2-dichloroethane	oXYL	o-xylene
12DCB	1,2-dichlorobenzene	PCE	tetrachloroethene
135TMB	1,3,5-trimethylbenzene	PENTADEC	pentadecane
13DCB	1,3-dichlorobenzene	SSRPH	Stoddard solvent range petroleum hydrocarbons
14DCB	1,4-dichlorobenzene	t12DCE	trans-1,2-dichloroethene
2MeNAPH	2-methyl naphthalene	TCE	trichloroethene
BENZ	benzene	TMBs	combined masses of 1,3,5-trimethylbenzene and 1,2,4-trimethylbenzene
BTEX	combined masses of benzene, toluene, ethylbenzene, and total xylenes (Gasoline Range Aromatics)	TOL	toluene
C11,C13&C15	combined masses of undecane, tridecane, and pentadecane (C11+C13+C15) (Diesel Range Alkanes)	TPH	total petroleum hydrocarbons
c12DCE	cis-1,2-dichloroethene	TRIDEC	tridecane
CCl4	carbon tetrachloride	UNDEC	undecane
CHC13	chloroform	VC	vinyl chloride

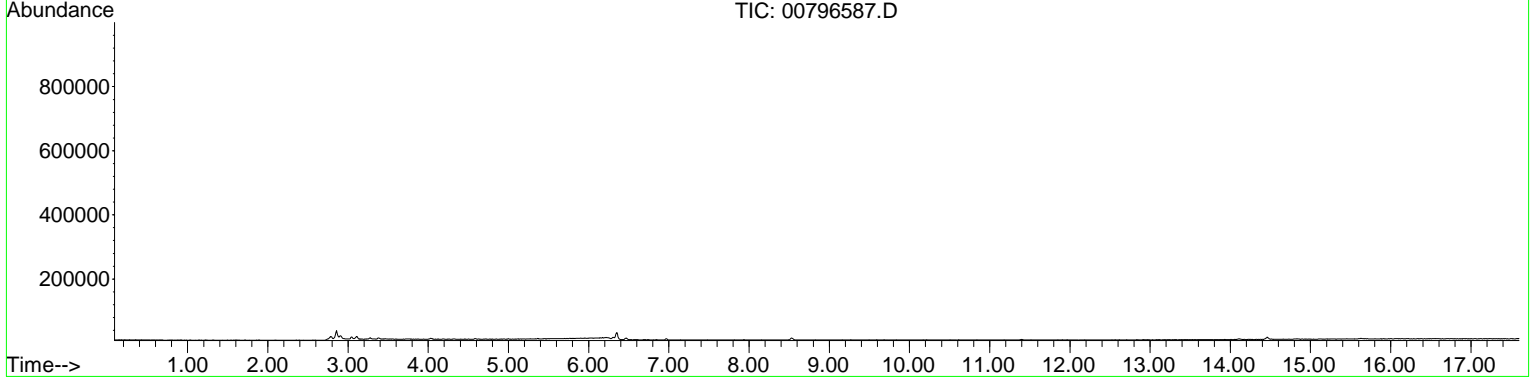
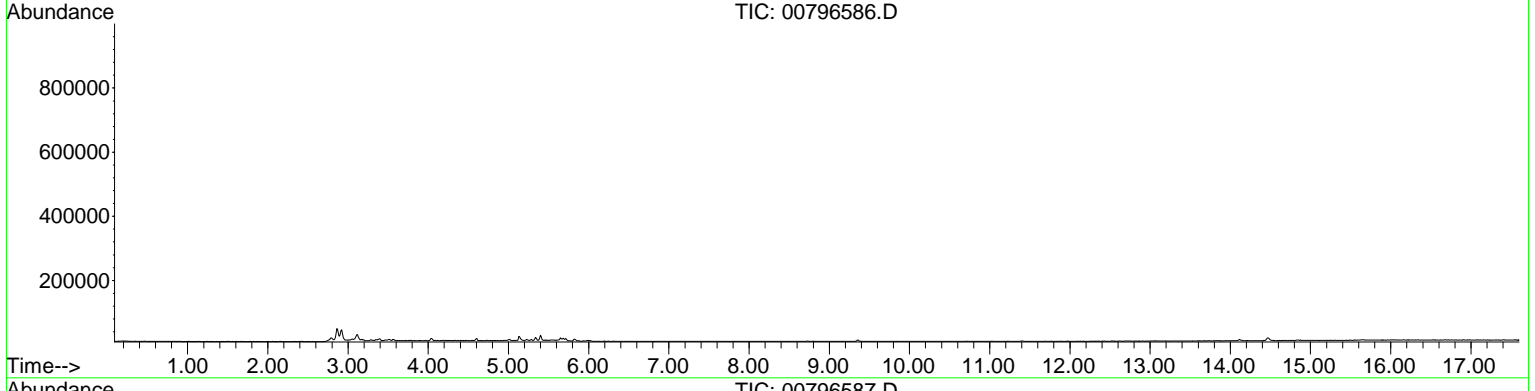
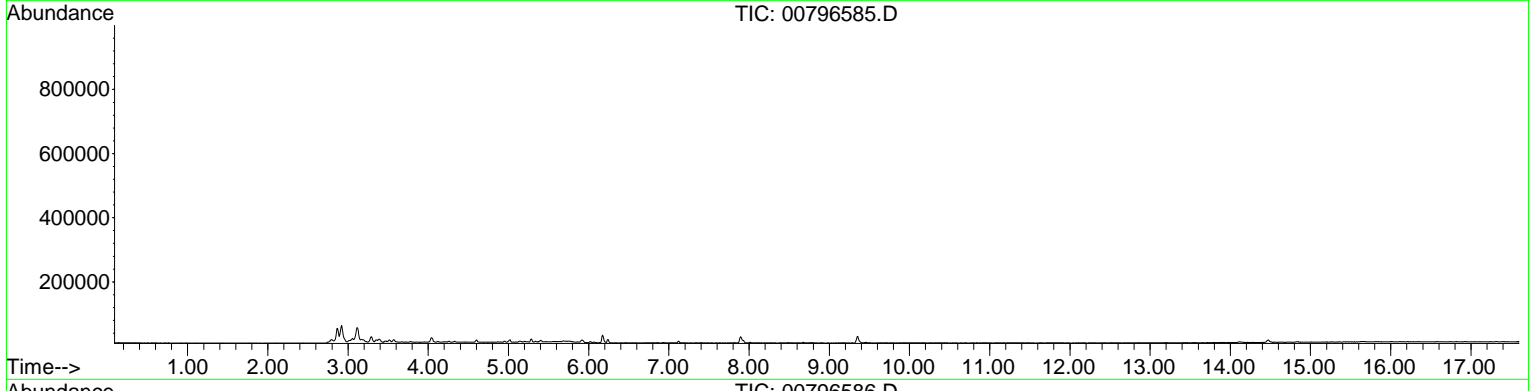
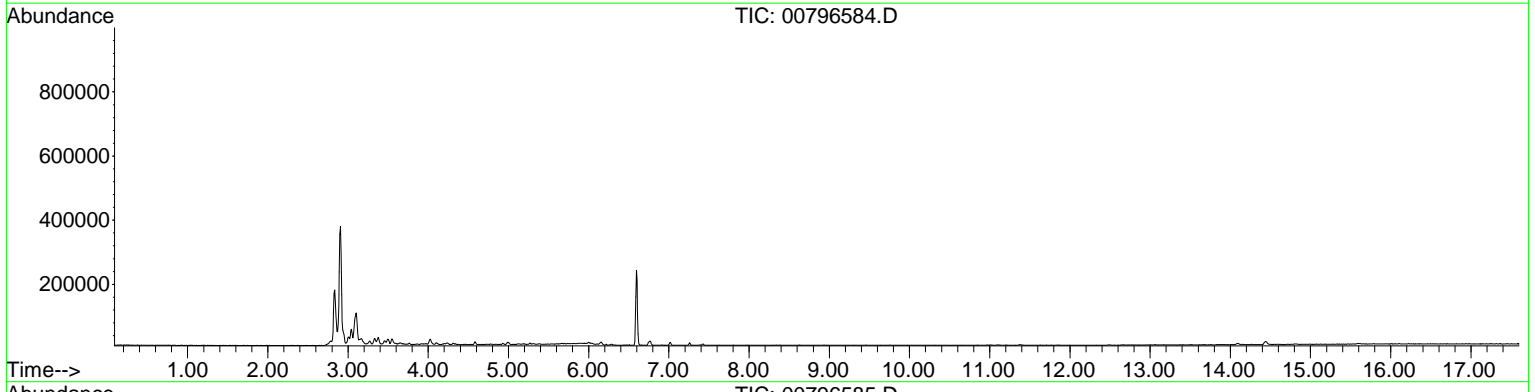
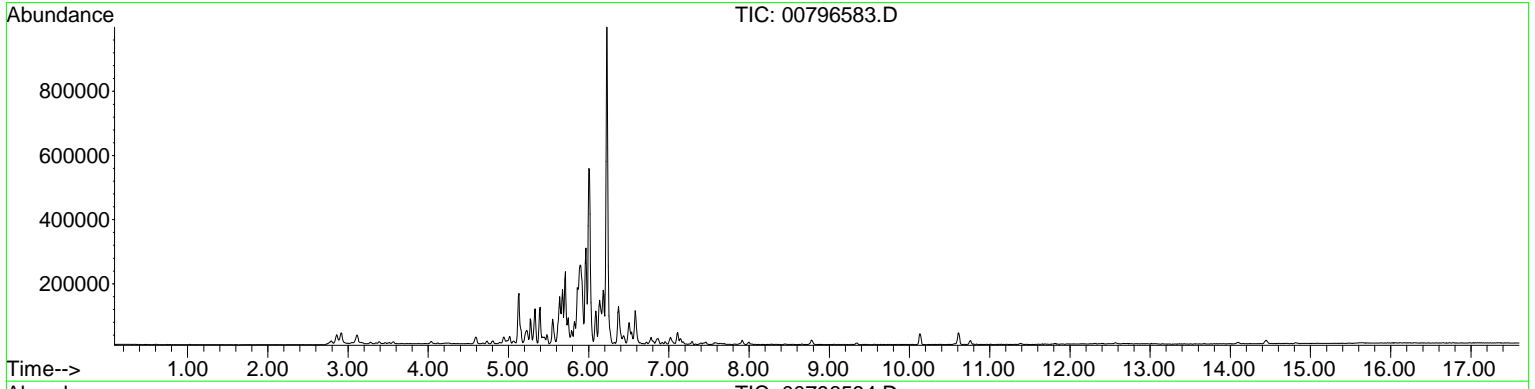


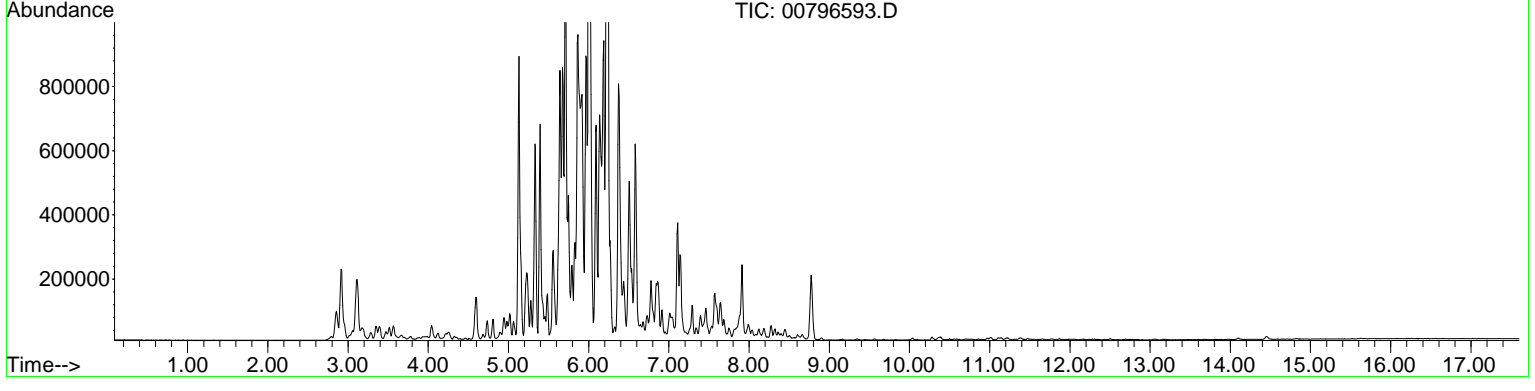
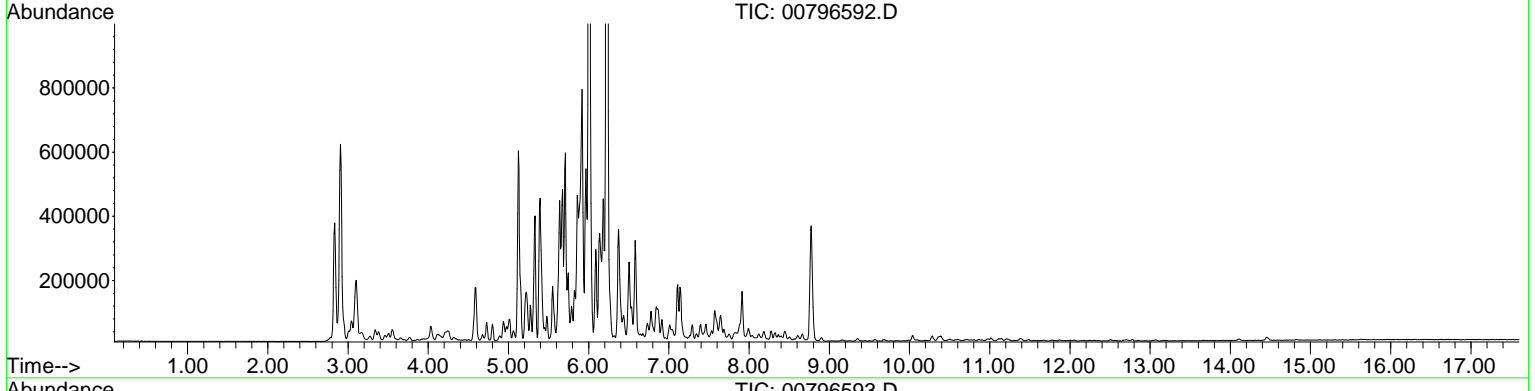
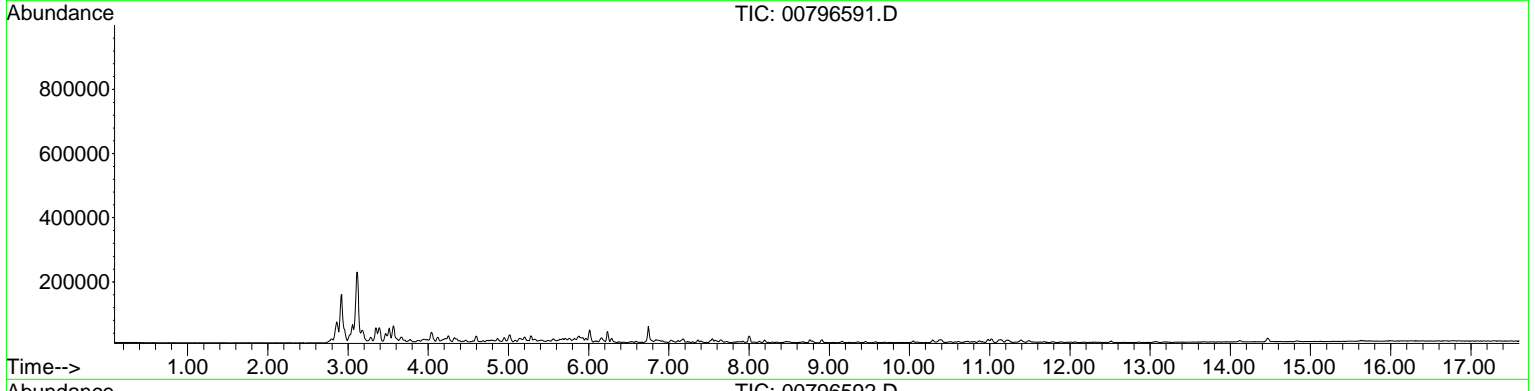
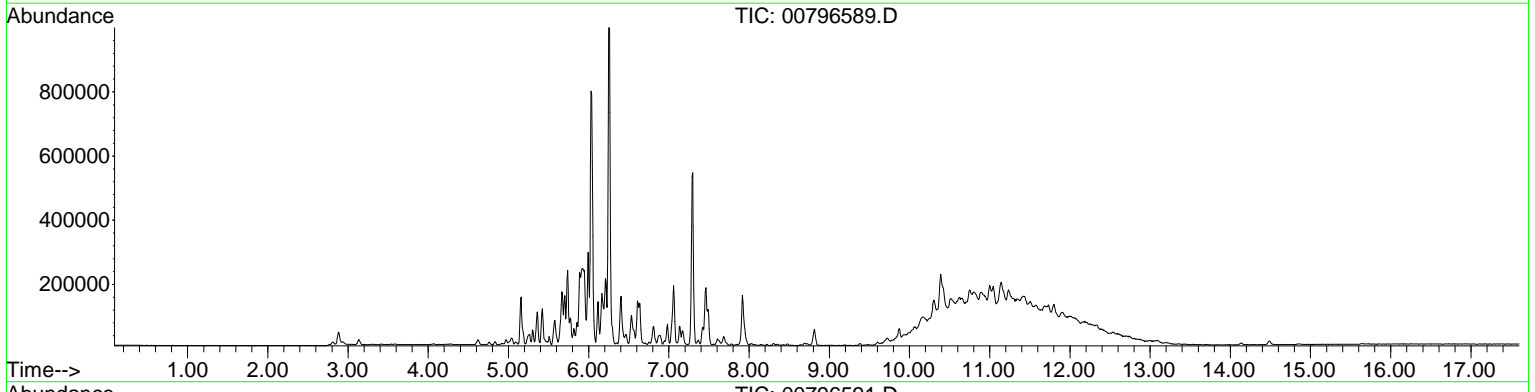
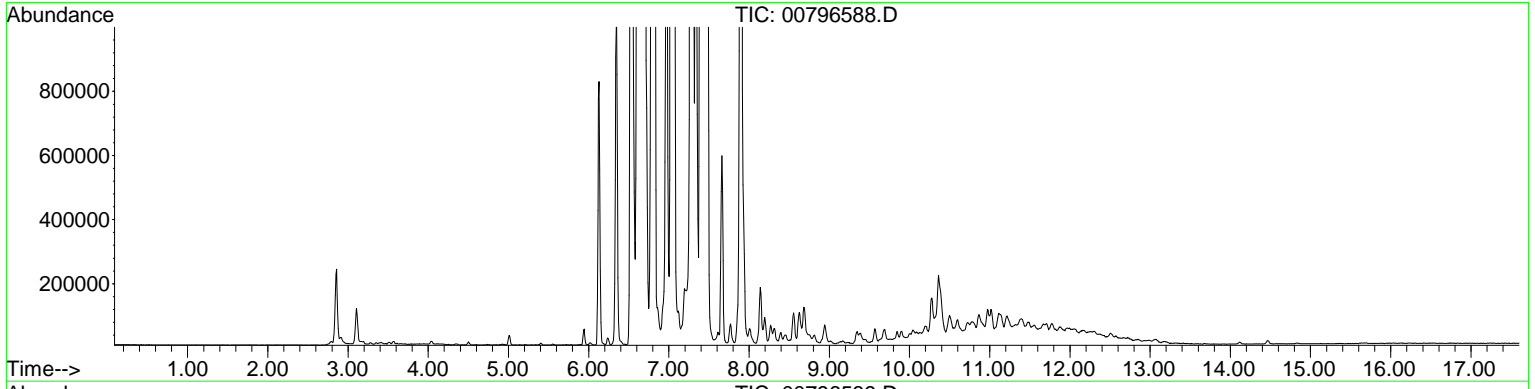


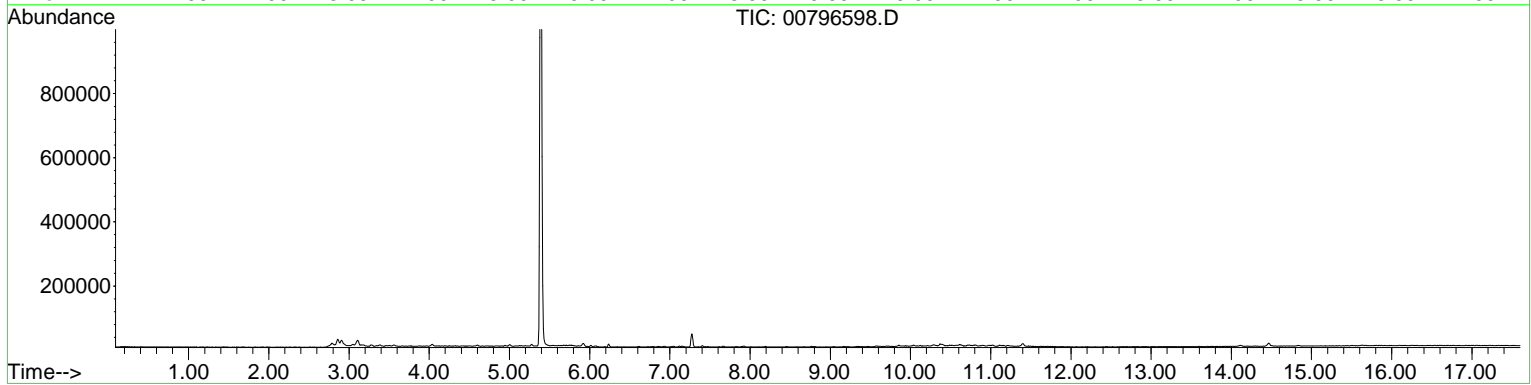
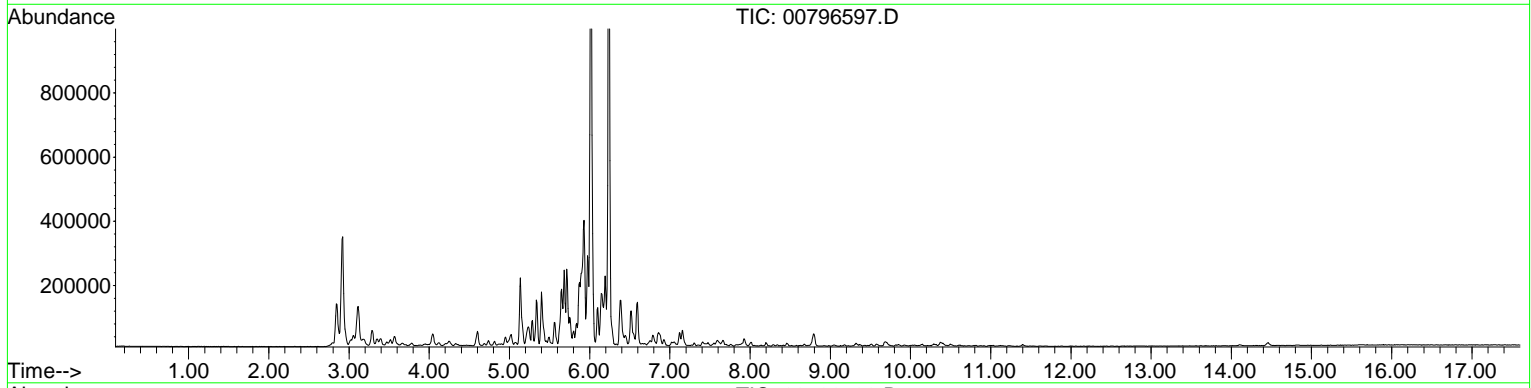
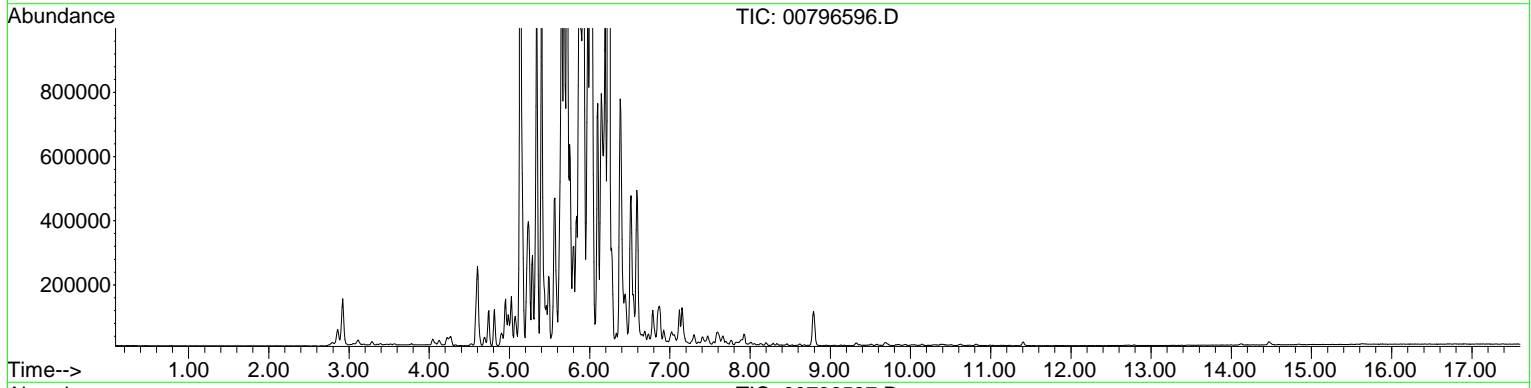
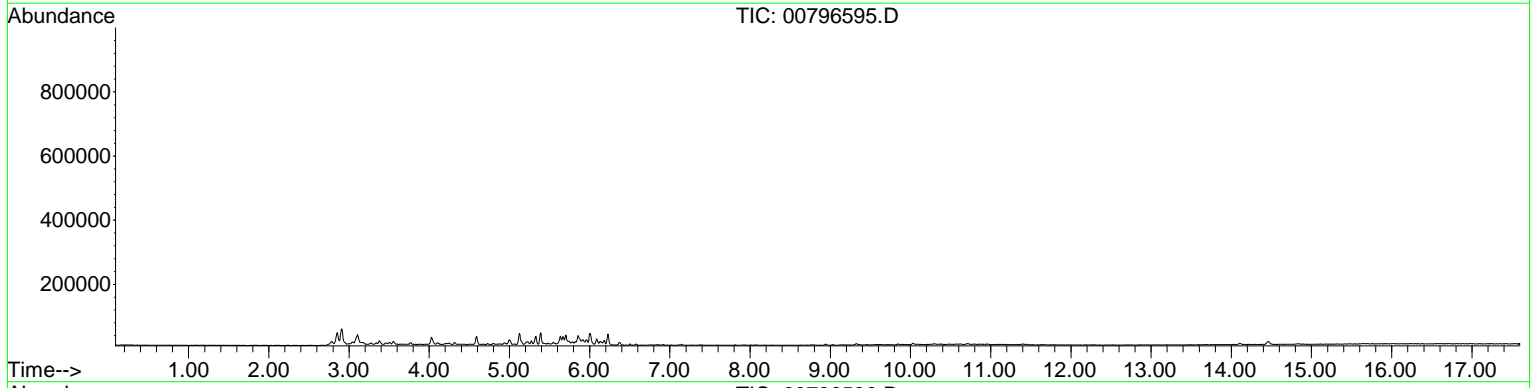
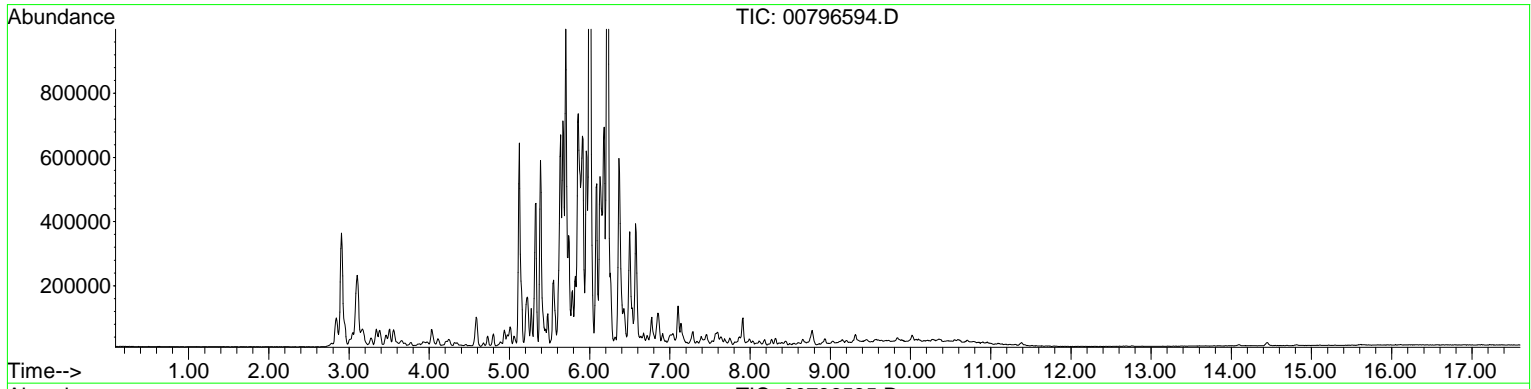


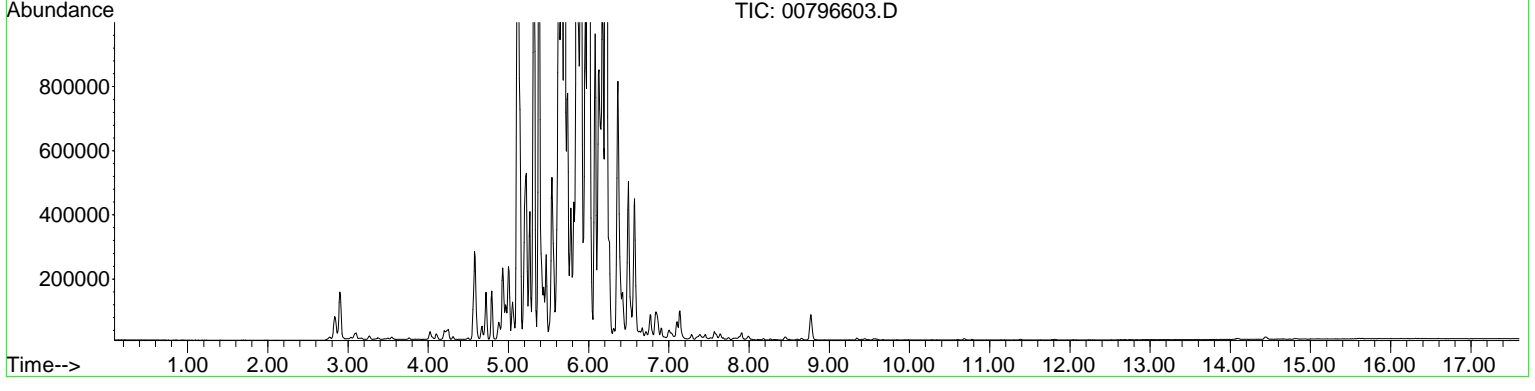
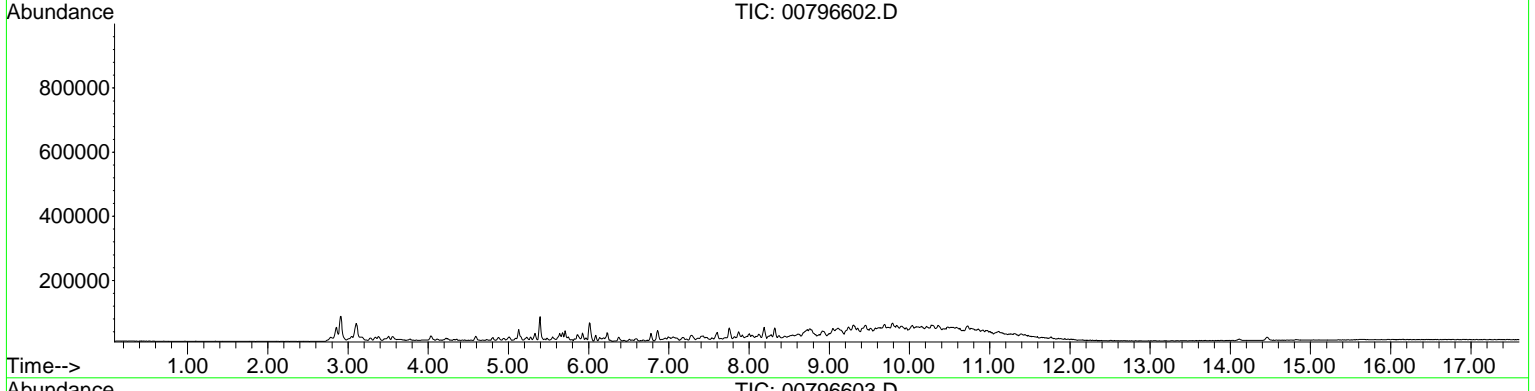
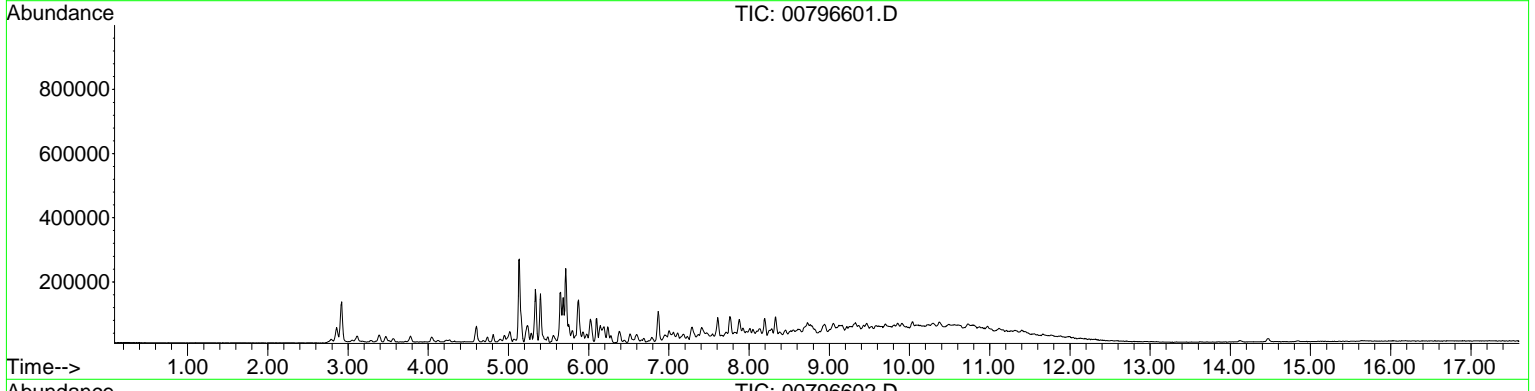
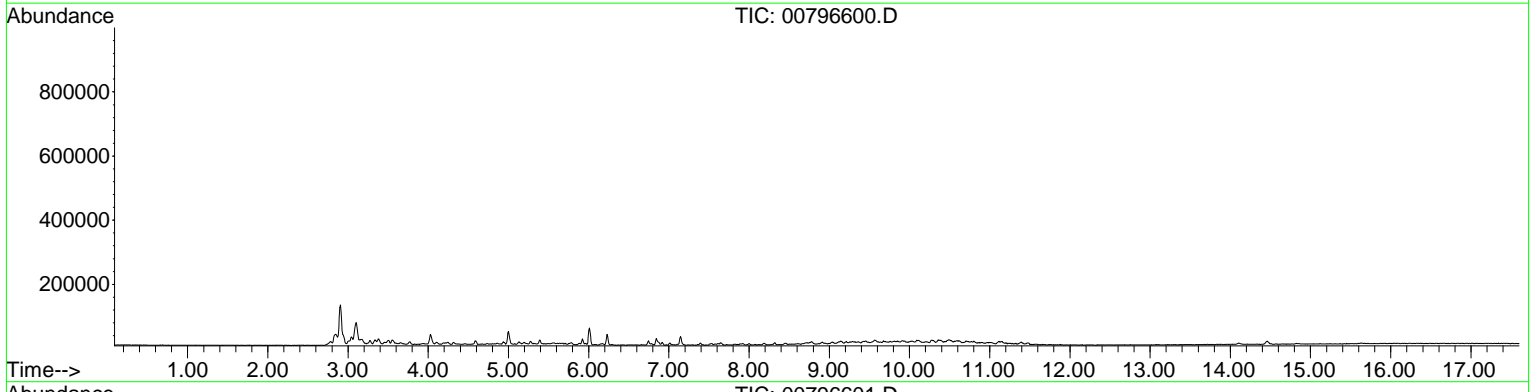
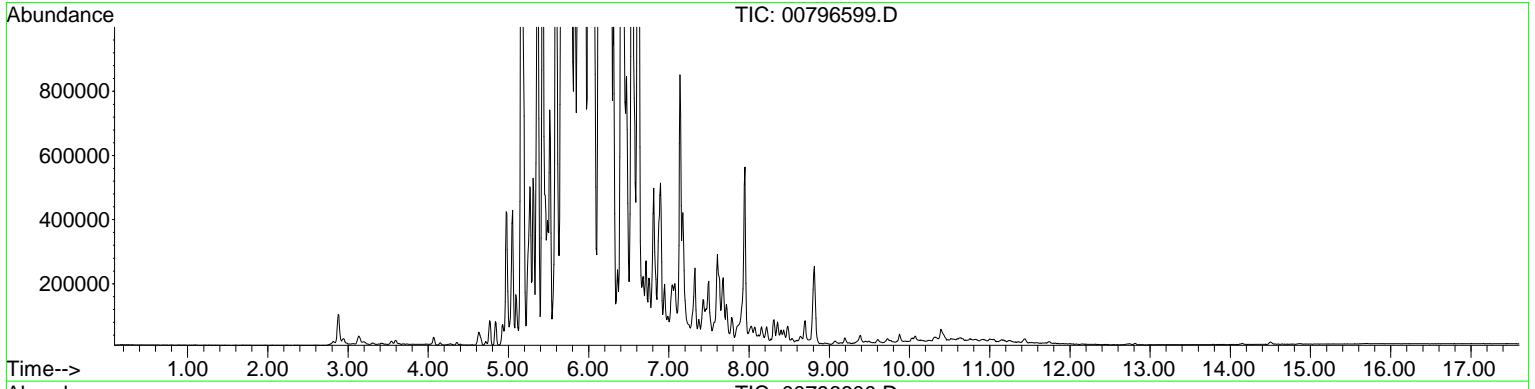


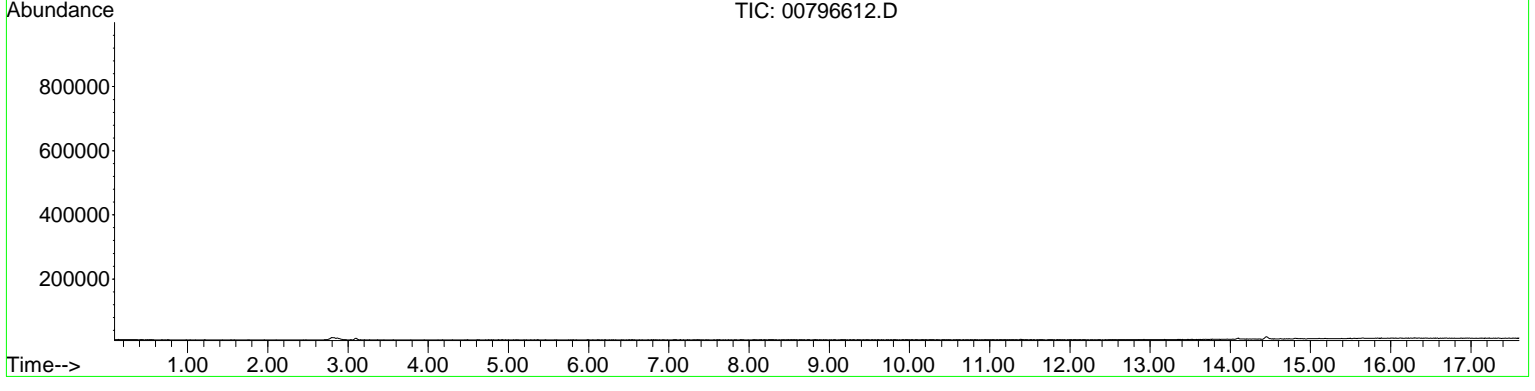
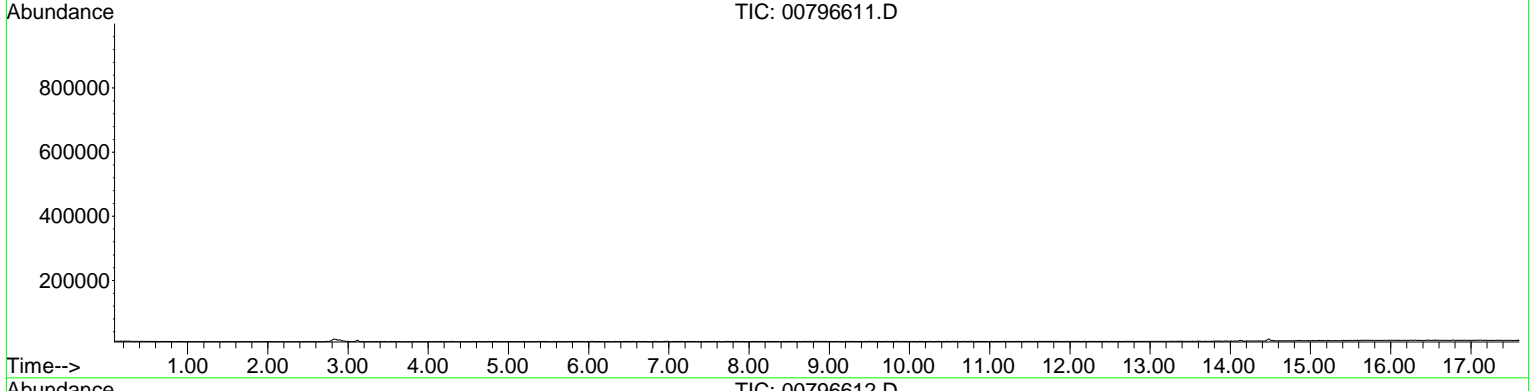
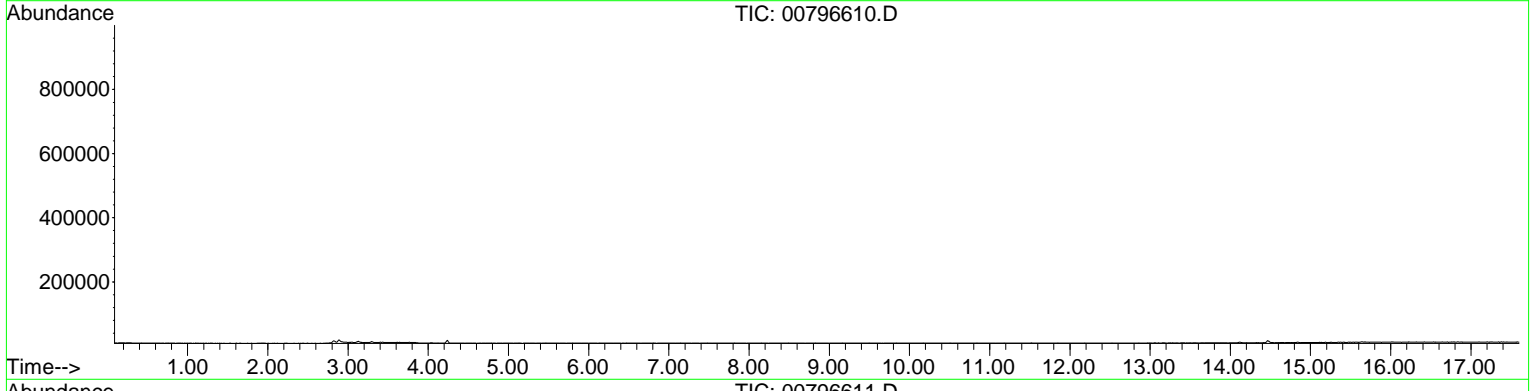
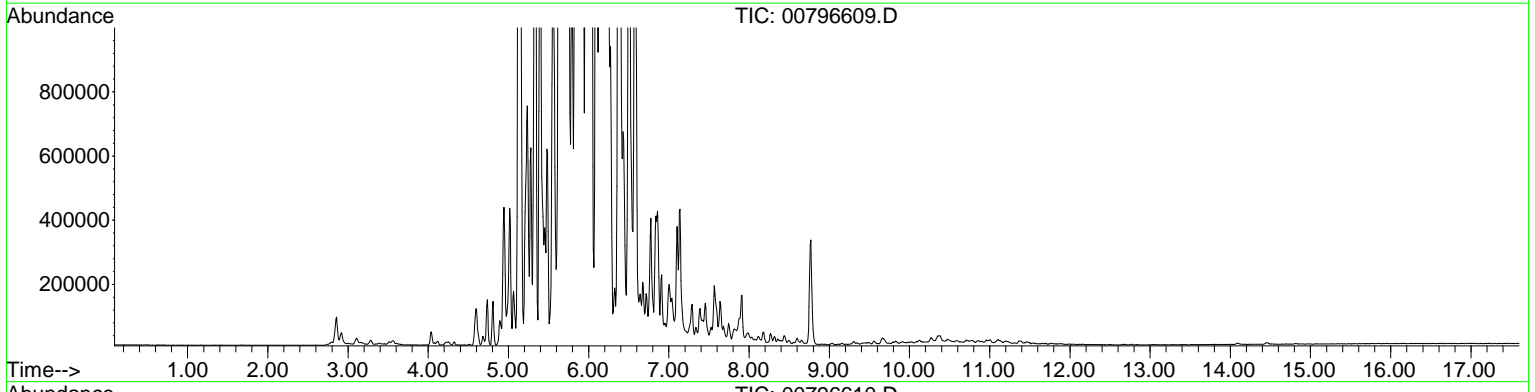
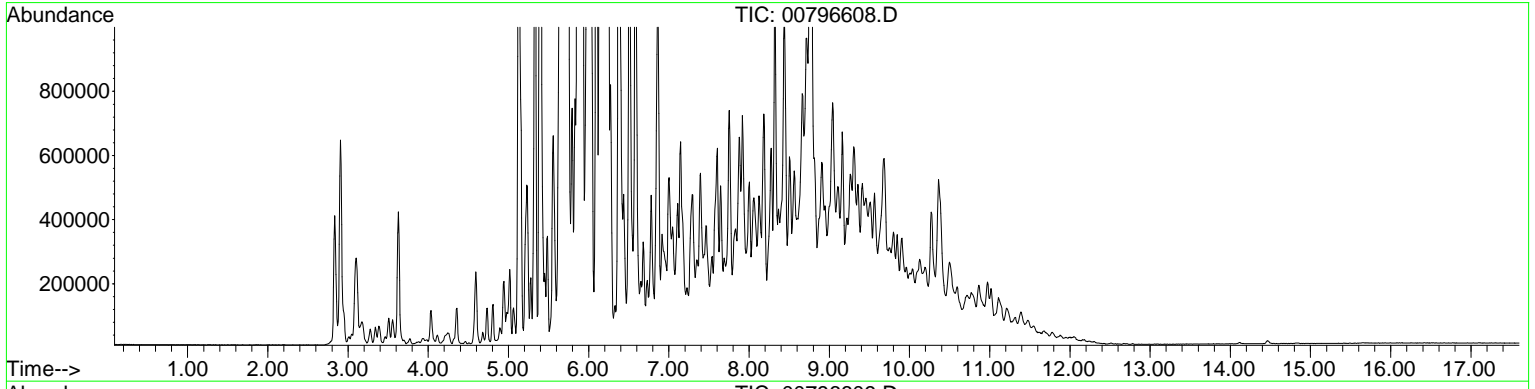


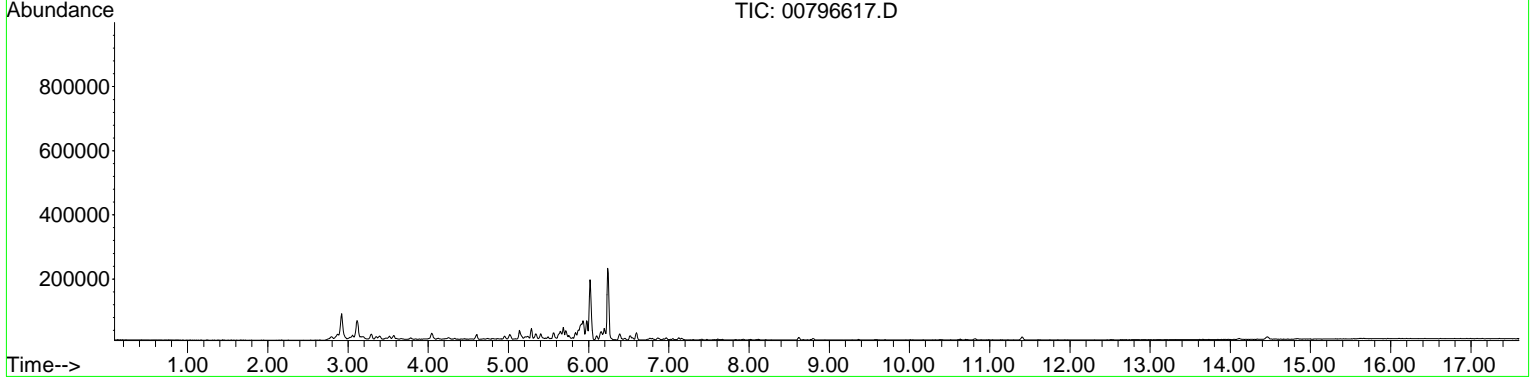
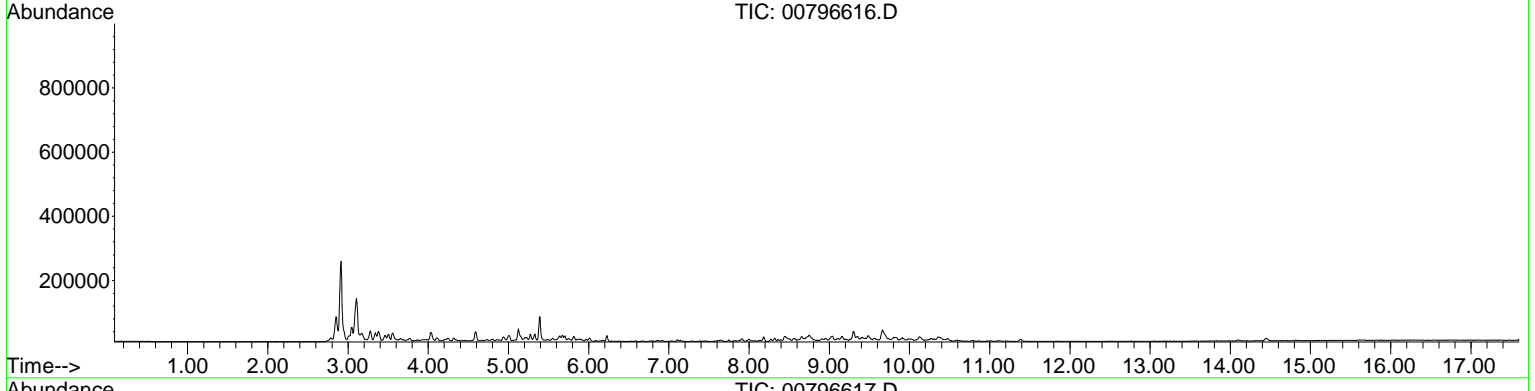
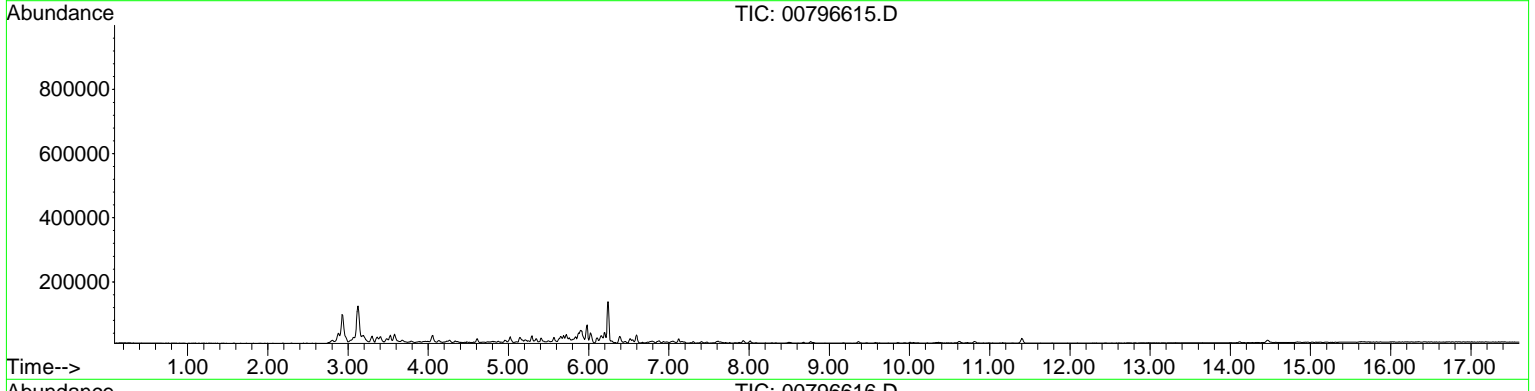
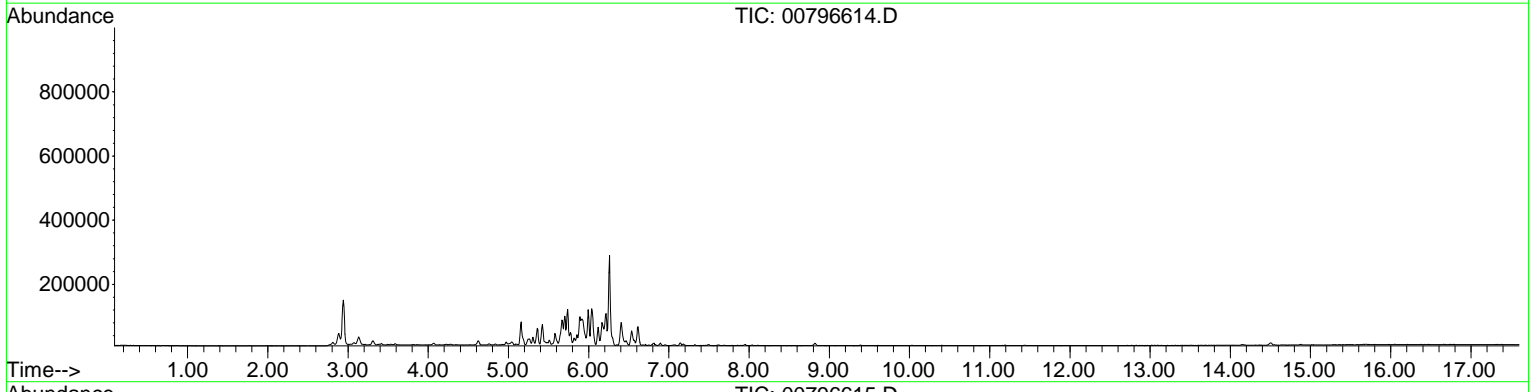
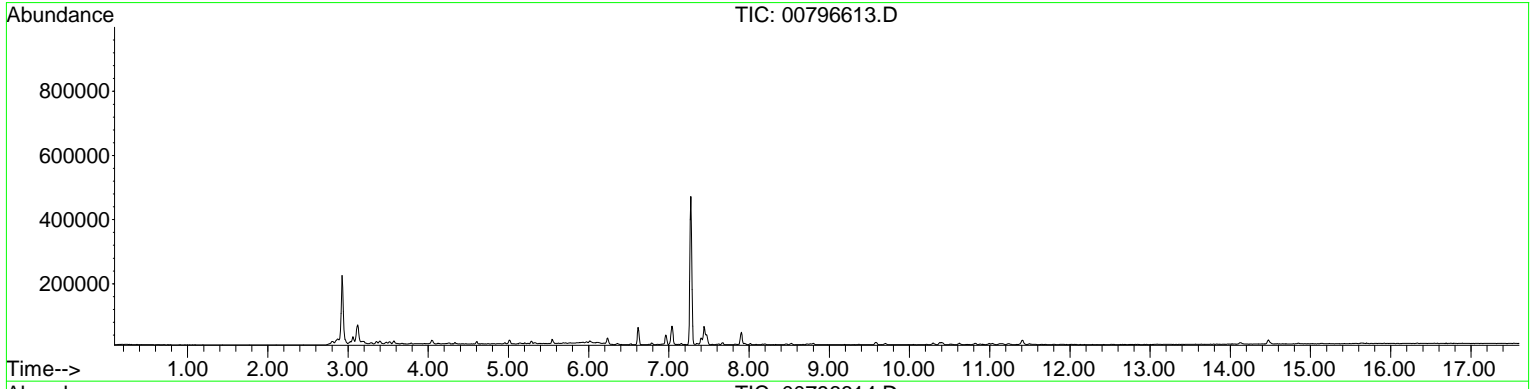


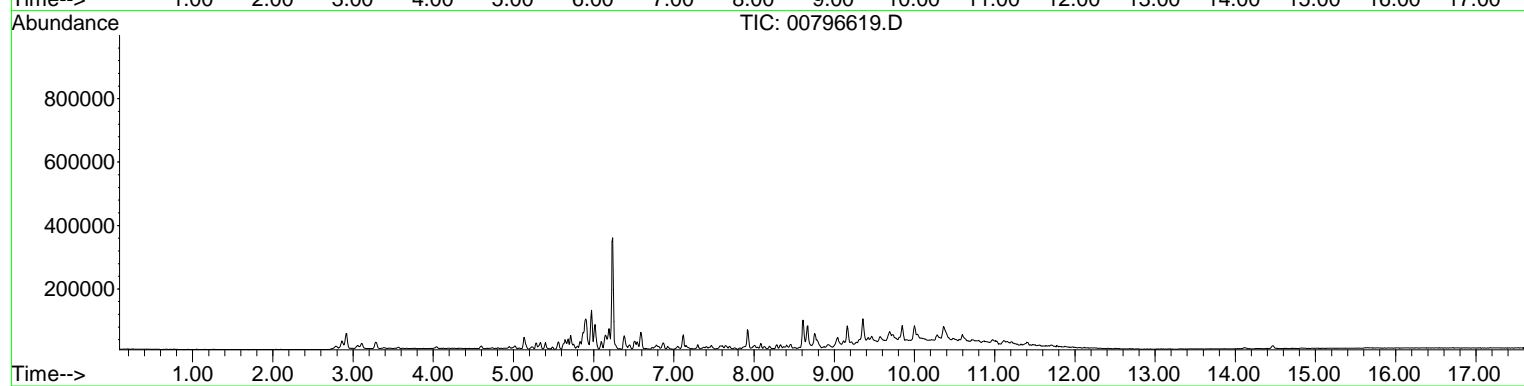
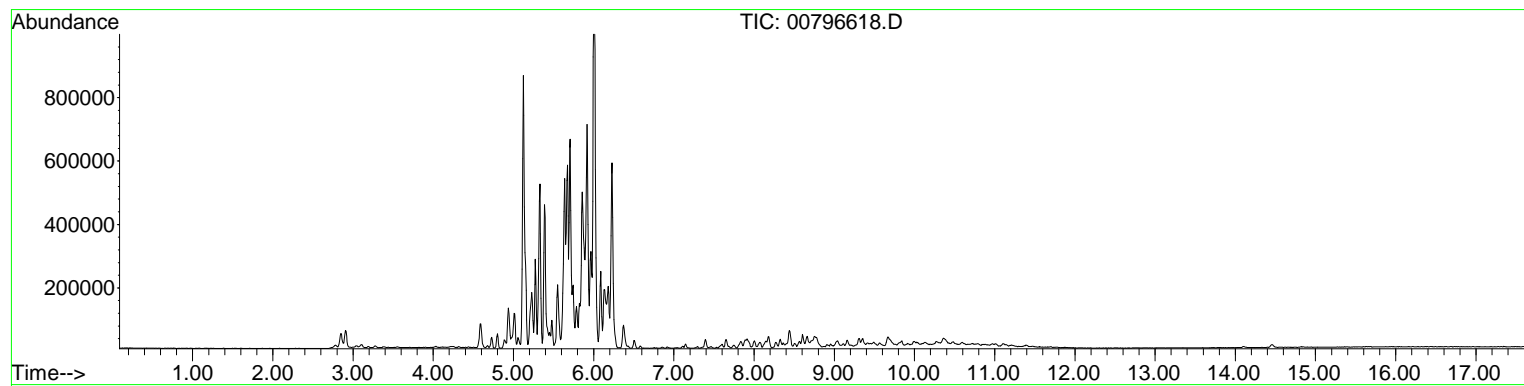














Delaware Office and AGI Laboratory:

210 Executive Drive, Suite 1
Newark, Delaware 19702-3335 USA
Phone: +1-302-266-2428
Fax: +1-302-266-2429

German Sales Office:

Amplified Geochemical Imaging GmbH
Alte Landstrasse 23,
85521 Ottobrunn GERMANY
Phone: +49 89 6387927-12
Fax: +49 89 6387927-10

Corporate Office:

7112 W. Jefferson Avenue, Suite 106
Lakewood, CO 80235 USA
Phone: +1-303-988-1968
Fax: +1-303-986-2898

www.agisurveys.net



AMPLIFIED
GEOCHEMICAL
IMAGING, LLC

Mapping Report

Site: 1065-010

Prepared for:

Farallon Consulting, LLC
975 5th Avenue NW
Issaquah, WA

Prepared on:

May 15, 2018

Project Summary

Amplified Geochemical Imaging, LLC. (AGI) provided the AGI Environmental Survey used at:

1065-010

The service provided by AGI included delivery of the required quantity of AGI Universal Samplers, analysis by the method described for the requested organic compounds, and reporting of the data. A Laboratory Report was issued previously which summarized the field sampling and analytical procedures, and contained the sample results.

Normally, when printed at scale, the maps are 11 x 17 inch in size. Other sizes are available upon request. General and project specific comments on the contouring and mapping can be found on the next page.

Maps prepared by:

Kelly J Stringham

Project Manager

Maps reviewed/approved by:

Ian McMullen

Chemist

General Comments

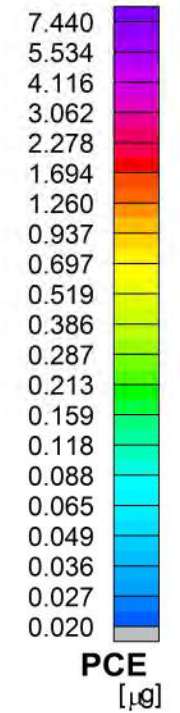
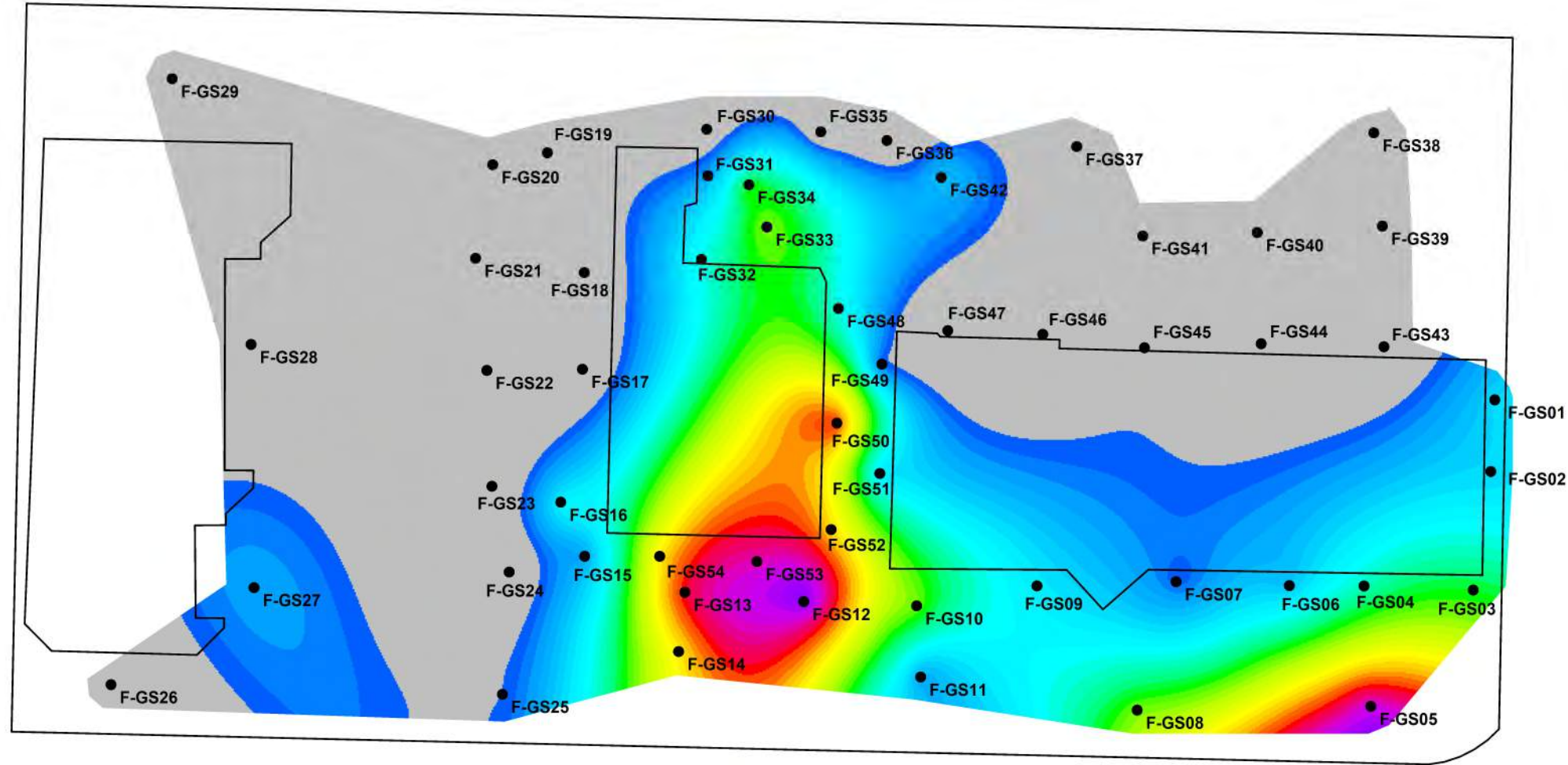
A minimum curvature algorithm was used to interpolate the data from the sample locations to a regularly-spaced grid. The resulting surface is considered to be the smoothest possible surface that will fit the observed values at each sample location (i.e., data honoring). The interpolation is performed in log space, with grid cell sizes approximately one-tenth the average distance between sample locations. For example, when AGI Universal Samplers are placed about 50 feet apart, the grid cell size is set to five feet.

Where observations trend from lower to higher values, and moving towards the edge of the area sampled, the contour surface will continue to rise (showing warmer colors) as no additional data exist to constrain the interpolation. Where observations trend from high to low, towards the edge of the area sampled, the opposite is true.

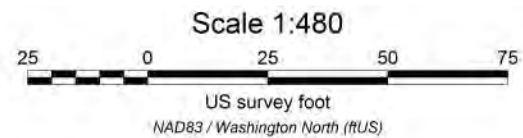
Contour minimums and maximums used in the color interval assignment are established based on the QA blank levels (trip and method blanks), method detection limits, and maximum values observed. The minimum contour level (gray color) is established using the maximum QA blank level or method detection limit, whichever is greater, per compound or groups of compounds. The maximum contour level is set at the maximum value observed, per compound or groups of compounds. Contour interval assignments can be modified at the client's request.

Project Specific Comments

None.



THIS DRAWING AND ANY OF ITS ATTACHMENTS HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT IDENTIFIED HEREIN AND MUST NOT BE USED, REPRODUCED OR MODIFIED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF AMPLIFIED GEOCHEMICAL IMAGING, LLC. UNAUTHORIZED USE IS STRICTLY PROHIBITED PURSUANT TO COPYRIGHT, TRADEMARK AND OTHER APPLICABLE LAWS.

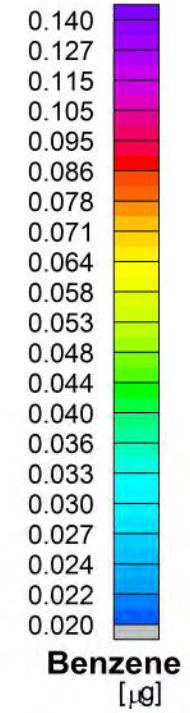
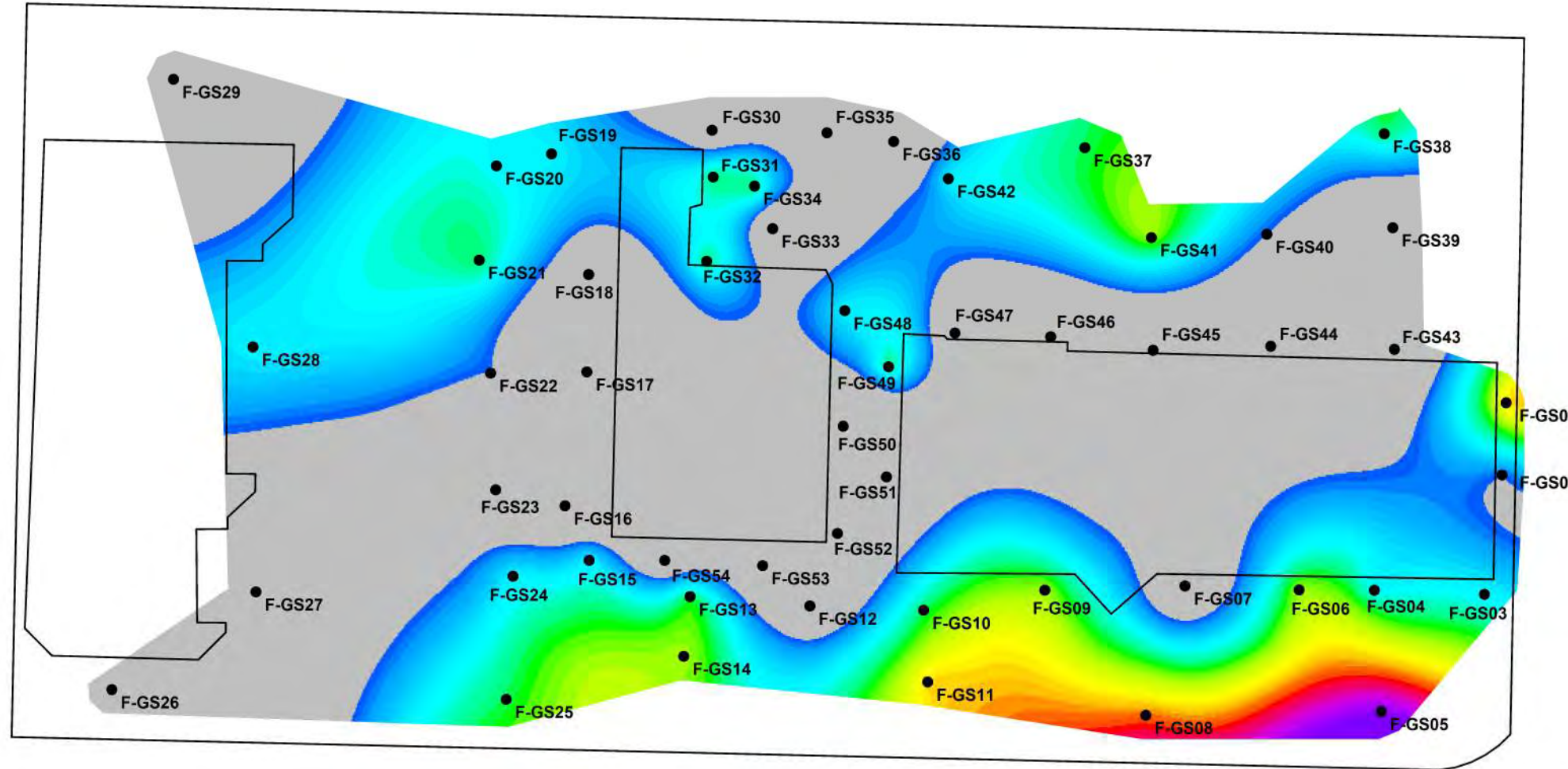



**AMPLIFIED
GEOCHEMICAL
IMAGING, LLC**

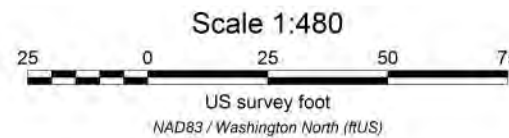
210 EXECUTIVE DRIVE, SUITE 1
 NEWARK, DELAWARE 19702-3335 USA
 PHONE: +1-302-266-2428
 FAX: +1-302-266-2429
 WWW.AGISURVEYS.NET

Farallon Consulting, LLC
 1065-010
 Tetrachloroethene

DATE DRAWN: 26 APR 2018	DRAWN BY: KJS	ORIG. CAD: CAD_Export_180423.dwg
REV. DATE:	REV. #:	PROJECT NUMBER: 01977



THIS DRAWING AND ANY OF ITS ATTACHMENTS HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT IDENTIFIED HEREIN AND MUST NOT BE USED, REPRODUCED OR MODIFIED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF AMPLIFIED GEOCHEMICAL IMAGING, LLC. UNAUTHORIZED USE IS STRICTLY PROHIBITED PURSUANT TO COPYRIGHT, TRADEMARK AND OTHER APPLICABLE LAWS.

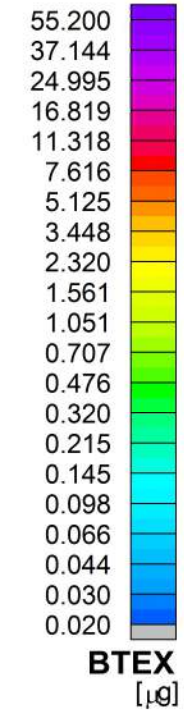
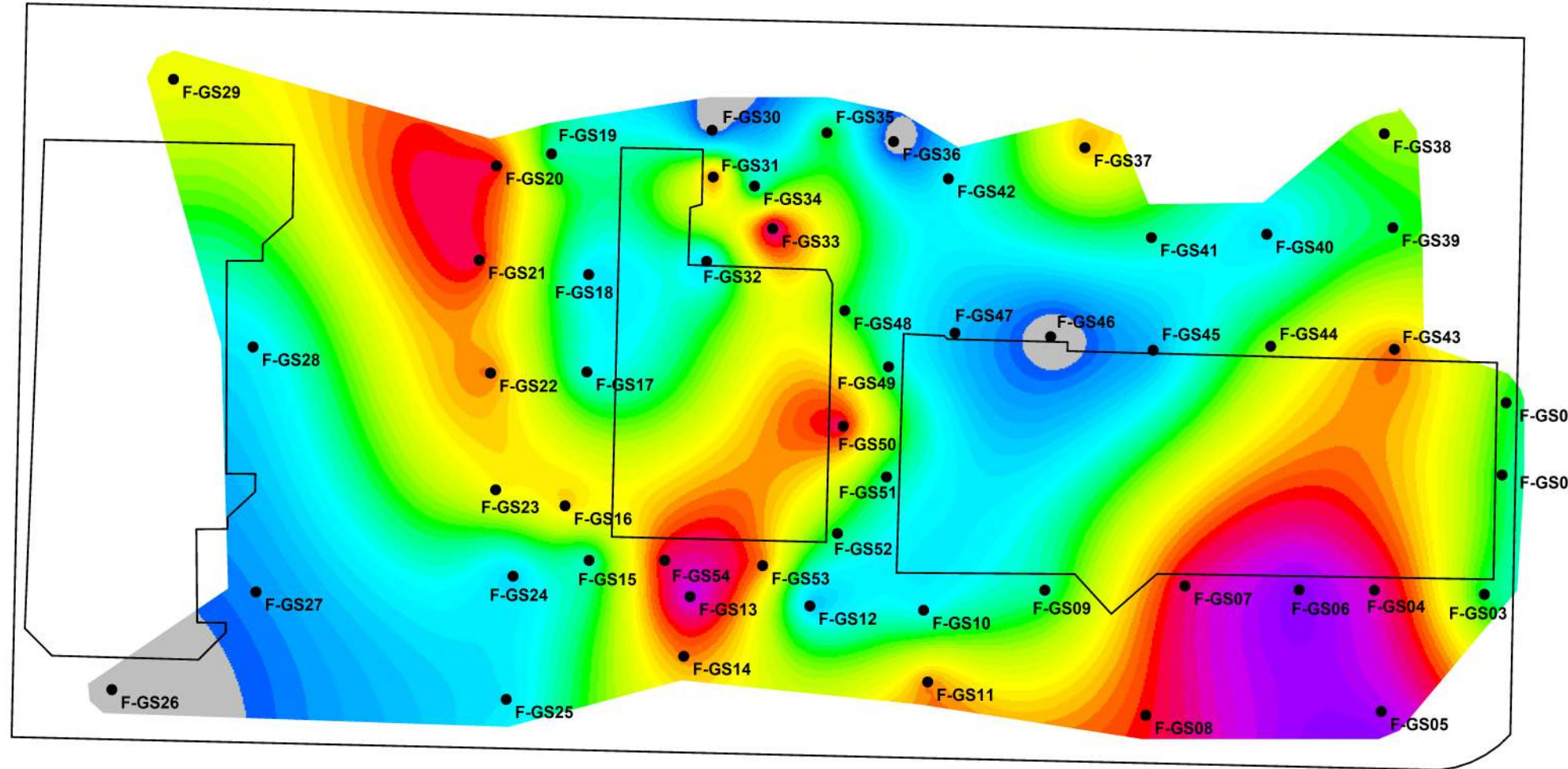


**AMPLIFIED
GEOCHEMICAL
IMAGING, LLC**

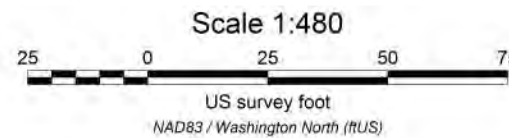
210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting, LLC
1065-010
Benzene

DATE DRAWN: 26 APR 2018	DRAWN BY: KJS	ORIG. CAD: CAD_Export_180423.dwg
REV. DATE:	REV. #:	PROJECT NUMBER: 01977



THIS DRAWING AND ANY OF ITS ATTACHMENTS HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT IDENTIFIED HEREIN AND MUST NOT BE USED, REPRODUCED OR MODIFIED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF AMPLIFIED GEOCHEMICAL IMAGING, LLC. UNAUTHORIZED USE IS STRICTLY PROHIBITED PURSUANT TO COPYRIGHT, TRADEMARK AND OTHER APPLICABLE LAWS.

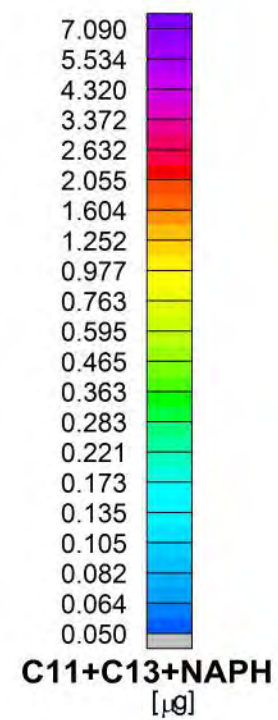
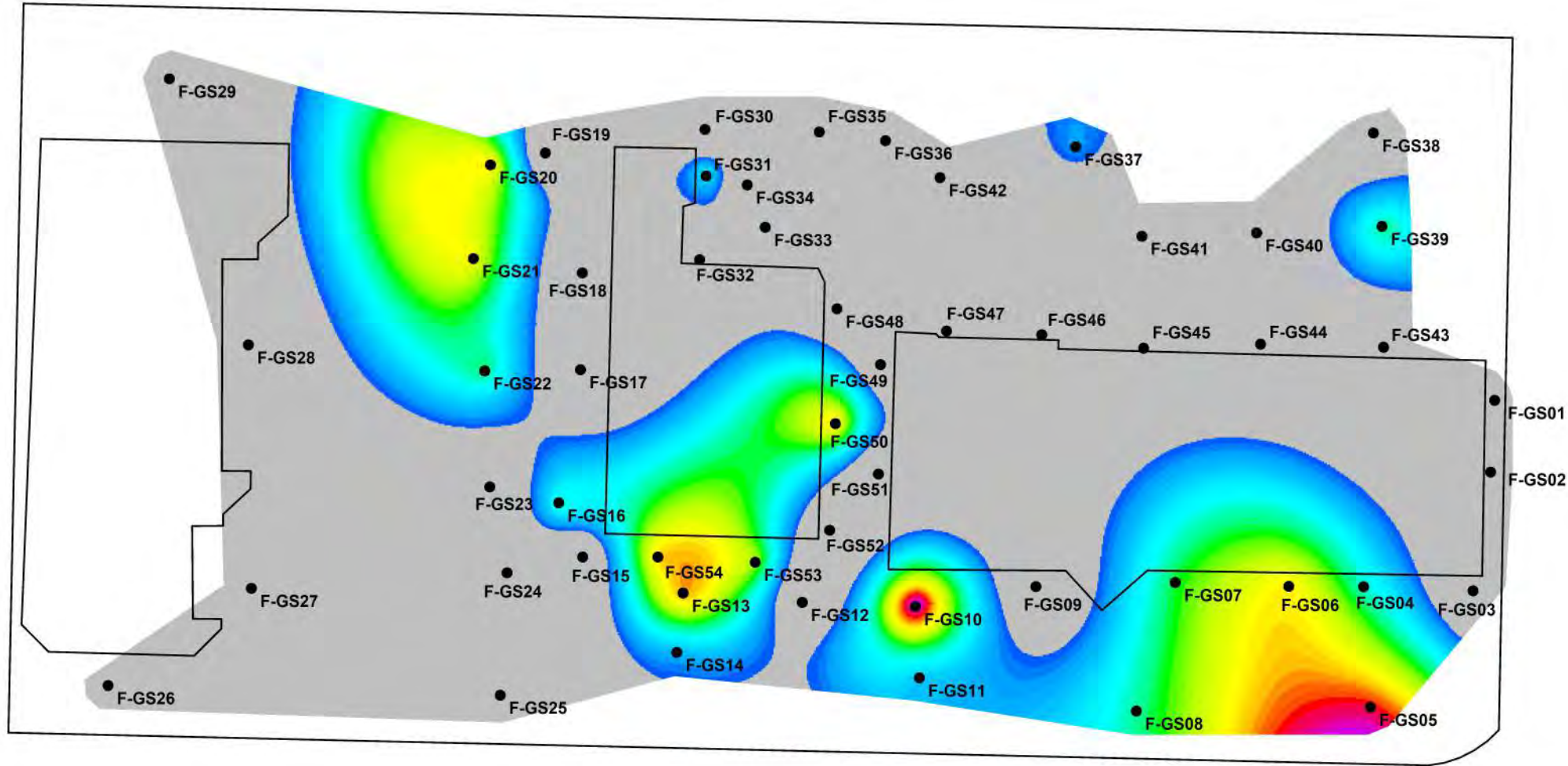


**AMPLIFIED
GEOCHEMICAL
IMAGING, LLC**

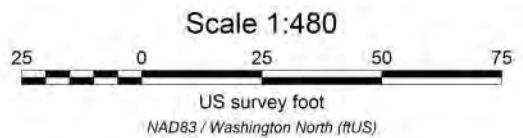
210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting, LLC
1065-010
BTEX

DATE DRAWN: 26 APR 2018	DRAWN BY: KJS	ORIG. CAD: CAD_Export_180423.dwg
REV. DATE:	REV. #:	PROJECT NUMBER: 01977



THIS DRAWING AND ANY OF ITS ATTACHMENTS HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT IDENTIFIED HEREIN AND MUST NOT BE USED, REPRODUCED OR MODIFIED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF AMPLIFIED GEOCHEMICAL IMAGING, LLC. UNAUTHORIZED USE IS STRICTLY PROHIBITED PURSUANT TO COPYRIGHT, TRADEMARK AND OTHER APPLICABLE LAWS.

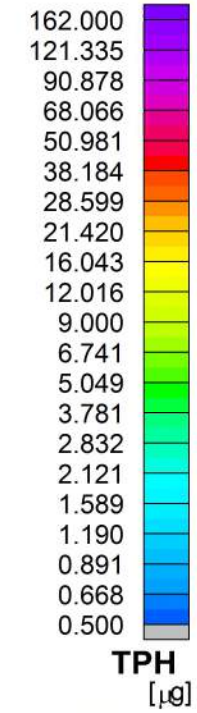
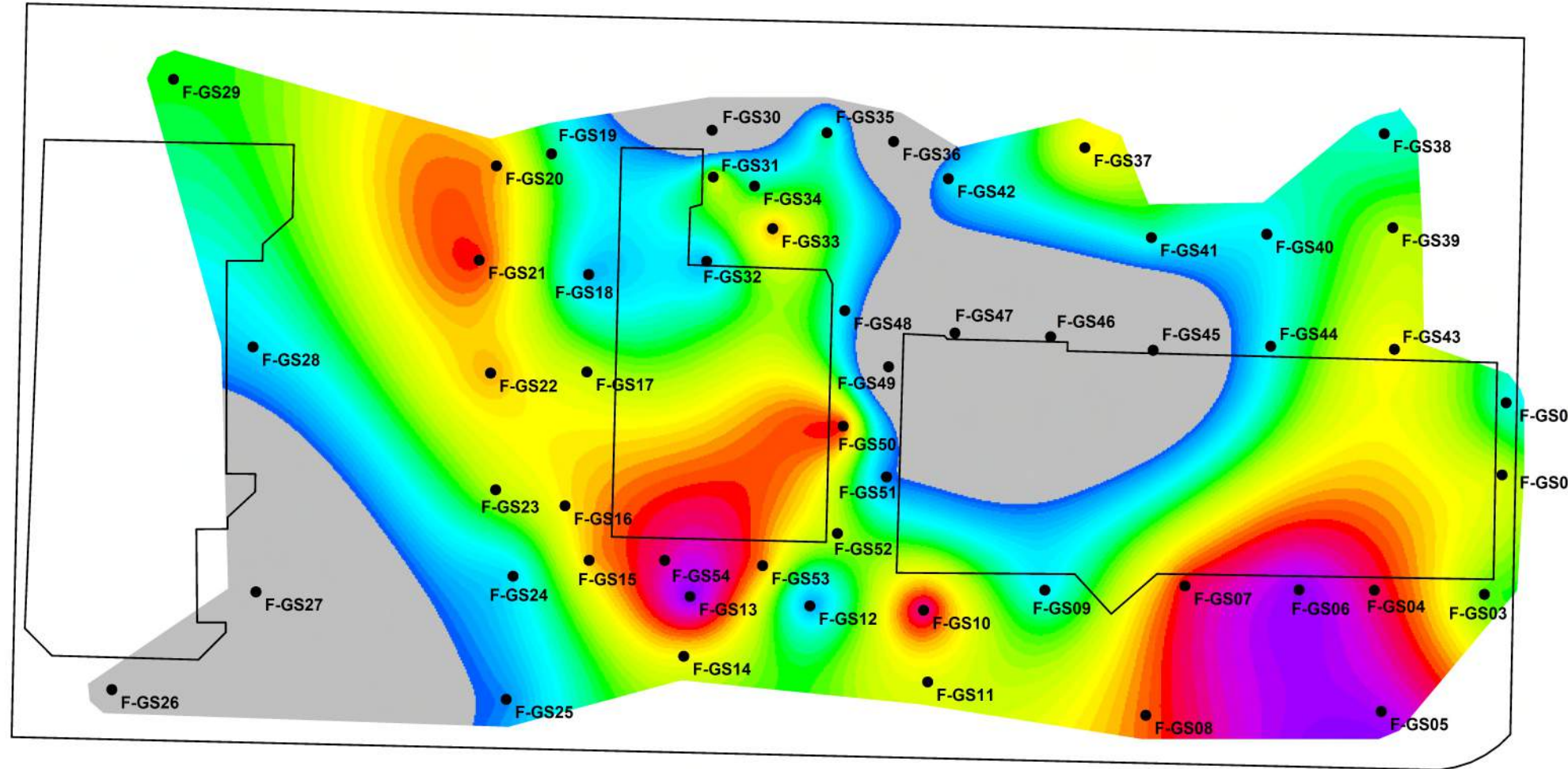


**AMPLIFIED
GEOCHEMICAL
IMAGING, LLC**

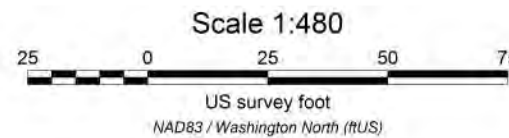
210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting, LLC
1065-010
Undecane + Tridecane + Naphthalene

DATE DRAWN: 26 APR 2018	DRAWN BY: KJS	ORIG. CAD: CAD_Export_180423.dwg
REV. DATE:	REV. #:	PROJECT NUMBER: 01977



THIS DRAWING AND ANY OF ITS ATTACHMENTS HAVE BEEN PRODUCED FOR THE SOLE USE OF THE RECIPIENT IDENTIFIED HEREIN AND MUST NOT BE USED, REPRODUCED OR MODIFIED IN ANY WAY WITHOUT THE PRIOR WRITTEN CONSENT OF AMPLIFIED GEOCHEMICAL IMAGING, LLC. UNAUTHORIZED USE IS STRICTLY PROHIBITED PURSUANT TO COPYRIGHT, TRADEMARK AND OTHER APPLICABLE LAWS.



**AMPLIFIED
GEOCHEMICAL
IMAGING, LLC**

210 EXECUTIVE DRIVE, SUITE 1
NEWARK, DELAWARE 19702-3335 USA
PHONE: +1-302-266-2428
FAX: +1-302-266-2429
WWW.AGISURVEYS.NET

Farallon Consulting, LLC
1065-010
Total Petroleum Hydrocarbons

DATE DRAWN: 26 APR 2018	DRAWN BY: KJS	ORIG. CAD: CAD_Export_180423.dwg
REV. DATE:	REV. #:	PROJECT NUMBER: 01977



Delaware Office and AGI Laboratory:

210 Executive Drive, Suite 1
Newark, Delaware 19702-3335 USA
Phone: +1-302-266-2428
Fax: +1-302-266-2429

German Sales Office:

Amplified Geochemical Imaging GmbH
Alte Landstrasse 23,
85521 Ottobrunn GERMANY
Phone: +49 89 6387927-12
Fax: +49 89 6387927-10

Corporate Office:

7112 W. Jefferson Avenue, Suite 106
Lakewood, CO 80235 USA
Phone: +1-303-988-1968
Fax: +1-303-986-2898

www.agisurveys.net

ATTACHMENT C
LABORATORY ANALYTICAL REPORTS

SUMMARY OF SUBSURFACE INVESTIGATION
10650 Northeast 8th Street
Bellevue, Washington

Farallon PN: 1065-010



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

April 11, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-060

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 6, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 11, 2018
Samples Submitted: April 6, 2018
Laboratory Reference: 1804-060
Project: 1065-010

Case Narrative

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

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

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



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW01-040618					
Laboratory ID:	04-060-01					
Gasoline	ND	100	NWTPH-Gx	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	106	66-114				
Client ID:	MW02-040618					
Laboratory ID:	04-060-02					
Gasoline	ND	100	NWTPH-Gx	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	106	66-114				
Client ID:	MW03-040618					
Laboratory ID:	04-060-03					
Gasoline	ND	100	NWTPH-Gx	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	108	66-114				



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0409W1					
Gasoline	ND	100	NWTPH-Gx	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	104	66-114				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-070-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				107	106	66-114		



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW01-040618					
Laboratory ID:	04-060-01					
Diesel Range Organics	ND	0.26	NWTPH-Dx	4-9-18	4-10-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	4-9-18	4-10-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	MW02-040618					
Laboratory ID:	04-060-02					
Diesel Range Organics	ND	0.25	NWTPH-Dx	4-9-18	4-10-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	4-9-18	4-10-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				
Client ID:	MW03-040618					
Laboratory ID:	04-060-03					
Diesel Range Organics	ND	0.26	NWTPH-Dx	4-9-18	4-10-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	4-9-18	4-10-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0409W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	4-9-18	4-10-18	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	4-9-18	4-10-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>94</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-060-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				<i>91</i>	<i>84</i>	<i>50-150</i>		



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW01-040618					
Laboratory ID:	04-060-01					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-9-18	4-9-18	
Chloromethane	ND	1.5	EPA 8260C	4-9-18	4-9-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromomethane	ND	0.36	EPA 8260C	4-9-18	4-9-18	
Chloroethane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Iodomethane	ND	1.7	EPA 8260C	4-9-18	4-9-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chloroform	0.39	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Benzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Trichloroethene	0.23	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromomethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Toluene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW01-040618					
Laboratory ID:	04-060-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Tetrachloroethene	8.9	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Ethylbenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
m,p-Xylene	ND	0.40	EPA 8260C	4-9-18	4-9-18	
o-Xylene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromoform	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Bromobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW02-040618					
Laboratory ID:	04-060-02					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-9-18	4-9-18	
Chloromethane	ND	1.5	EPA 8260C	4-9-18	4-9-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromomethane	ND	0.36	EPA 8260C	4-9-18	4-9-18	
Chloroethane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Iodomethane	ND	1.7	EPA 8260C	4-9-18	4-9-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chloroform	0.88	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Benzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Trichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromomethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Toluene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW02-040618					
Laboratory ID:	04-060-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Tetrachloroethene	1.5	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Ethylbenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
m,p-Xylene	ND	0.40	EPA 8260C	4-9-18	4-9-18	
o-Xylene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromoform	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Bromobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-125</i>				



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW03-040618					
Laboratory ID:	04-060-03					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-9-18	4-9-18	
Chloromethane	ND	1.5	EPA 8260C	4-9-18	4-9-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromomethane	ND	0.36	EPA 8260C	4-9-18	4-9-18	
Chloroethane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Iodomethane	ND	1.7	EPA 8260C	4-9-18	4-9-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chloroform	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Benzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Trichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromomethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Toluene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW03-040618					
Laboratory ID:	04-060-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Ethylbenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
m,p-Xylene	ND	0.40	EPA 8260C	4-9-18	4-9-18	
o-Xylene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromoform	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Bromobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-125</i>				



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0409W1					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-9-18	4-9-18	
Chloromethane	ND	1.5	EPA 8260C	4-9-18	4-9-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromomethane	ND	0.36	EPA 8260C	4-9-18	4-9-18	
Chloroethane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Iodomethane	ND	1.7	EPA 8260C	4-9-18	4-9-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chloroform	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Benzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Trichloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromomethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Toluene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-9-18	4-9-18	



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0409W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Ethylbenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
m,p-Xylene	ND	0.40	EPA 8260C	4-9-18	4-9-18	
o-Xylene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Bromoform	ND	1.0	EPA 8260C	4-9-18	4-9-18	
Bromobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-9-18	4-9-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-9-18	4-9-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-9-18	4-9-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



Date of Report: April 11, 2018
 Samples Submitted: April 6, 2018
 Laboratory Reference: 1804-060
 Project: 1065-010

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0409W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.72	9.82	10.0	10.0	97	98	63-126	1	21	
Benzene	10.0	10.2	10.0	10.0	100	102	78-122	2	19	
Trichloroethene	9.84	9.90	10.0	10.0	98	99	63-120	1	20	
Toluene	10.4	10.4	10.0	10.0	104	104	79-124	0	19	
Chlorobenzene	9.17	9.47	10.0	10.0	92	95	78-120	3	19	
<i>Surrogate:</i>										
Dibromofluoromethane					99	100	75-127			
Toluene-d8					101	101	80-127			
4-Bromofluorobenzene					97	99	78-125			





Data Qualifiers and Abbreviations

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



Chain of Custody

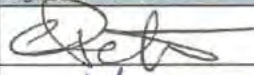
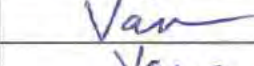
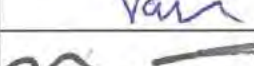

Company: FARALLON
 Project Number: 1065-010
 Project Name: NE 8th St
 Project Manager: ERIC BUER
 Sampled by: Craig Peters

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-060

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	MW01-040618	4/6/18	0810	Water	7
2	MW02-040618	4/6/18	0911	Water	7
3	MW03-040618	4/6/18	1008	Water	7
/					

Number of Containers	NWTPH-HCID	NWTPH-GX/BTEX <u>D3</u>	NWTPH-GX	NWTPH-Dx (□ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C <u>+ BTEX</u>	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
7	X	X	X	X	X	X												
7	X	X	X	X	X	X												
7	X	X	X	X	X	X												

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		FARALLON	4/6/18	1223	See / Contact Project Manager to confirm analyses needed and Turn around Time. <u>AD</u>
Received		Spdy	4/6/18	12:25	
Relinquished		Spdy	4/6/18	1310	
Received		OBE	4/6/18	1310	
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



**OnSite
Environmental Inc.**

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

April 17, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-082

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 10, 2018.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 17, 2018
Samples Submitted: April 10, 2018
Laboratory Reference: 1804-082
Project: 1065-010

Case Narrative

Samples were collected on April 9, 2018 and received by the laboratory on April 10, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-5.0-040918					
Laboratory ID:	04-082-01					
Gasoline	ND	20	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	66-130				
Client ID:	FMW-04-10.0-040918					
Laboratory ID:	04-082-02					
Gasoline	ND	22	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-04-15.0-040918					
Laboratory ID:	04-082-03					
Gasoline	ND	25	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-04-20.0-040918					
Laboratory ID:	04-082-04					
Gasoline	ND	4.1	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-04-25.0-040918					
Laboratory ID:	04-082-05					
Gasoline	ND	4.1	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	66-130				
Client ID:	FMW-04-35.0-040918					
Laboratory ID:	04-082-07					
Gasoline	ND	4.0	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-130				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-50.0-040918					
Laboratory ID:	04-082-10					
Gasoline	ND	4.2	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-130				
Client ID:	FMW-05-5.0-040918					
Laboratory ID:	04-082-14					
Gasoline	ND	23	NWTPH-Gx	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0411S2					
Gasoline	ND	5.0	NWTPH-Gx	4-11-18	4-11-18	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
Fluorobenzene	92	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-073-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
Surrogate:								
Fluorobenzene				95	90	66-130		



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-5.0-040918					
Laboratory ID:	04-082-01					
Diesel Fuel #2	2300	27	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	58	NWTPH-Dx	4-11-18	4-12-18	U1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	FMW-04-10.0-040918					
Laboratory ID:	04-082-02					
Diesel Fuel #2	2300	27	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
Client ID:	FMW-04-15.0-040918					
Laboratory ID:	04-082-03					
Diesel Fuel #2	8200	280	NWTPH-Dx	4-11-18	4-16-18	
Lube Oil Range Organics	ND	570	NWTPH-Dx	4-11-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				
						S
Client ID:	FMW-04-20.0-040918					
Laboratory ID:	04-082-04					
Diesel Range Organics	ND	27	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				
Client ID:	FMW-04-25.0-040918					
Laboratory ID:	04-082-05					
Diesel Range Organics	ND	27	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				
Client ID:	FMW-04-35.0-040918					
Laboratory ID:	04-082-07					
Diesel Range Organics	ND	28	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	75	50-150				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-50.0-040918					
Laboratory ID:	04-082-10					
Diesel Range Organics	ND	27	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FMW-05-5.0-040918					
Laboratory ID:	04-082-14					
Diesel Fuel #2	1300	28	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0411S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-11-18	4-12-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-11-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	94	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-082-10							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				87	84	50-150		



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-5.0-040918					
Laboratory ID:	04-082-01					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0047	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0052	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-5.0-040918					
Laboratory ID:	04-082-01					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	0.0093	0.00075	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	0.016	0.0015	EPA 8260C	4-11-18	4-11-18	
o-Xylene	0.00087	0.00075	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-10.0-040918					
Laboratory ID:	04-082-02					
Dichlorodifluoromethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	0.00099	0.00071	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0045	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0049	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	0.0016	0.00071	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Benzene	0.0013	0.00071	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-10.0-040918					
Laboratory ID:	04-082-02					
1,1,2-Trichloroethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	0.11	0.00071	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	0.015	0.0014	EPA 8260C	4-11-18	4-11-18	
o-Xylene	0.0015	0.00071	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00071	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-15.0-040918					
Laboratory ID:	04-082-03					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0045	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0045	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0057	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0063	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	0.0012	0.00091	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Benzene	0.0015	0.00091	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0045	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-15.0-040918					
Laboratory ID:	04-082-03					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	0.0011	0.00091	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	0.65	0.054	EPA 8260C	4-12-18	4-12-18	
m,p-Xylene	0.050	0.0018	EPA 8260C	4-11-18	4-11-18	
o-Xylene	0.0053	0.00091	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0045	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
1,1,2,2-Tetrachloroethane	ND	0.054	EPA 8260C	4-12-18	4-12-18	
1,2,3-Trichloropropane	ND	0.054	EPA 8260C	4-12-18	4-12-18	
2-Chlorotoluene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
4-Chlorotoluene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
1,3-Dichlorobenzene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
1,4-Dichlorobenzene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
1,2-Dichlorobenzene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
1,2-Dibromo-3-chloropropane	ND	0.27	EPA 8260C	4-12-18	4-12-18	
1,2,4-Trichlorobenzene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
Hexachlorobutadiene	ND	0.27	EPA 8260C	4-12-18	4-12-18	
1,2,3-Trichlorobenzene	ND	0.054	EPA 8260C	4-12-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-20.0-040918					
Laboratory ID:	04-082-04					
Dichlorodifluoromethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0051	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-20.0-040918					
Laboratory ID:	04-082-04					
1,1,2-Trichloroethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00073	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-25.0-040918					
Laboratory ID:	04-082-05					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0047	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0051	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-25.0-040918					
Laboratory ID:	04-082-05					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>89</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-35.0-040918					
Laboratory ID:	04-082-07					
Dichlorodifluoromethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0042	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	0.0058	0.00067	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-35.0-040918					
Laboratory ID:	04-082-07					
1,1,2-Trichloroethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	ND	0.0013	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0033	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00067	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-50.0-040918					
Laboratory ID:	04-082-10					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0051	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0056	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-50.0-040918					
Laboratory ID:	04-082-10					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-60.0-040918					
Laboratory ID:	04-082-12					
Dichlorodifluoromethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0058	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0063	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-60.0-040918					
Laboratory ID:	04-082-12					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-05-5.0-040918					
Laboratory ID:	04-082-14					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0051	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0056	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-05-5.0-040918					
Laboratory ID:	04-082-14					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	0.018	0.00081	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	0.024	0.0016	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0411S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Chloromethane	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Bromomethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Chloroethane	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Iodomethane	ND	0.0063	EPA 8260C	4-11-18	4-11-18	
Methylene Chloride	ND	0.0069	EPA 8260C	4-11-18	4-11-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Chloroform	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Benzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Toluene	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0411S2				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-11-18	4-11-18	
o-Xylene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Bromoform	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-11-18	4-11-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-11-18	4-11-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0412S2					
Dichlorodifluoromethane	ND	0.0016	EPA 8260C	4-12-18	4-12-18	
Chloromethane	ND	0.0067	EPA 8260C	4-12-18	4-12-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Bromomethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Chloroethane	ND	0.0050	EPA 8260C	4-12-18	4-12-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Iodomethane	ND	0.0064	EPA 8260C	4-12-18	4-12-18	
Methylene Chloride	ND	0.0080	EPA 8260C	4-12-18	4-12-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Chloroform	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Benzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-12-18	4-12-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Toluene	ND	0.0050	EPA 8260C	4-12-18	4-12-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0412S2				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-12-18	4-12-18	
o-Xylene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Bromoform	ND	0.0050	EPA 8260C	4-12-18	4-12-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-12-18	4-12-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-12-18	4-12-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-12-18	4-12-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-130</i>				



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0411S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0406	0.0422	0.0500	0.0500	81	84	58-126	4	20	
Benzene	0.0433	0.0457	0.0500	0.0500	87	91	72-122	5	19	
Trichloroethene	0.0442	0.0445	0.0500	0.0500	88	89	75-120	1	20	
Toluene	0.0450	0.0457	0.0500	0.0500	90	91	78-123	2	19	
Chlorobenzene	0.0448	0.0451	0.0500	0.0500	90	90	75-120	1	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					96	101	75-131			
<i>Toluene-d8</i>					97	102	83-130			
<i>4-Bromofluorobenzene</i>					95	99	78-130			



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0412S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0358	0.0410	0.0500	0.0500	72	82	58-126	14	20	
Benzene	0.0388	0.0450	0.0500	0.0500	78	90	72-122	15	19	
Trichloroethene	0.0397	0.0456	0.0500	0.0500	79	91	75-120	14	20	
Toluene	0.0409	0.0470	0.0500	0.0500	82	94	78-123	14	19	
Chlorobenzene	0.0407	0.0471	0.0500	0.0500	81	94	75-120	15	18	
<i>Surrogate:</i>										
Dibromofluoromethane					97	99	75-131			
Toluene-d8					101	101	83-130			
4-Bromofluorobenzene					105	105	78-130			



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	04-082-01					
Client ID:	FMW-04-5.0-040918					
Arsenic	ND	11	6010D	4-13-18	4-13-18	
Barium	54	2.7	6010D	4-13-18	4-13-18	
Cadmium	ND	0.54	6010D	4-13-18	4-13-18	
Chromium	44	0.54	6010D	4-13-18	4-13-18	
Lead	ND	5.4	6010D	4-13-18	4-13-18	
Mercury	ND	0.27	7471B	4-11-18	4-11-18	
Selenium	ND	11	6010D	4-13-18	4-13-18	
Silver	ND	1.1	6010D	4-13-18	4-13-18	

Lab ID:	04-082-02					
Client ID:	FMW-04-10.0-040918					
Arsenic	ND	11	6010D	4-13-18	4-13-18	
Barium	53	2.7	6010D	4-13-18	4-13-18	
Cadmium	ND	0.54	6010D	4-13-18	4-13-18	
Chromium	46	0.54	6010D	4-13-18	4-13-18	
Lead	ND	5.4	6010D	4-13-18	4-13-18	
Mercury	ND	0.27	7471B	4-11-18	4-11-18	
Selenium	ND	11	6010D	4-13-18	4-13-18	
Silver	ND	1.1	6010D	4-13-18	4-13-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-082-14					
Client ID:	FMW-05-5.0-040918					
Arsenic	ND	11	6010D	4-13-18	4-13-18	
Barium	53	2.8	6010D	4-13-18	4-13-18	
Cadmium	ND	0.56	6010D	4-13-18	4-13-18	
Chromium	31	0.56	6010D	4-13-18	4-13-18	
Lead	ND	5.6	6010D	4-13-18	4-13-18	
Mercury	ND	0.28	7471B	4-11-18	4-11-18	
Selenium	ND	11	6010D	4-13-18	4-13-18	
Silver	ND	1.1	6010D	4-13-18	4-13-18	

Lab ID:	04-082-15					
Client ID:	FMW-07-5.0-040918					
Arsenic	ND	11	6010D	4-13-18	4-13-18	
Barium	57	2.8	6010D	4-13-18	4-13-18	
Cadmium	ND	0.56	6010D	4-13-18	4-13-18	
Chromium	30	0.56	6010D	4-13-18	4-13-18	
Lead	ND	5.6	6010D	4-13-18	4-13-18	
Mercury	ND	0.28	7471B	4-11-18	4-11-18	
Selenium	ND	11	6010D	4-13-18	4-13-18	
Silver	ND	1.1	6010D	4-13-18	4-13-18	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

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

Date Extracted: 4-11&13-18
 Date Analyzed: 4-11&13-18
 Matrix: Soil
 Units: mg/kg (ppm)
 Lab ID: MB0413SM3&MB0411S1

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



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

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

Date Extracted: 4-11&13-18

Date Analyzed: 4-11&13-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-082-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	49.5	53.1	7	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	40.5	46.9	15	0.50	
Lead	ND	ND	NA	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 17, 2018
 Samples Submitted: April 10, 2018
 Laboratory Reference: 1804-082
 Project: 1065-010

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

Date Extracted: 4-11&13-18

Date Analyzed: 4-11&13-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-082-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	90.3	90	105	105	15	
Barium	100	156	107	155	106	1	
Cadmium	50.0	48.5	97	50.4	101	4	
Chromium	100	135	94	128	88	5	
Lead	250	248	99	260	104	5	
Mercury	0.500	0.538	108	0.538	108	0	
Selenium	100	97.1	97	103	103	6	
Silver	25.0	22.3	89	22.8	91	2	



Date of Report: April 17, 2018
Samples Submitted: April 10, 2018
Laboratory Reference: 1804-082
Project: 1065-010

% MOISTURE

Date Analyzed: 4-11&12-18

Client ID	Lab ID	% Moisture
FMW-04-5.0-040918	04-082-01	8
FMW-04-10.0-040918	04-082-02	8
FMW-04-15.0-040918	04-082-03	12
FMW-04-20.0-040918	04-082-04	7
FMW-04-25.0-040918	04-082-05	7
FMW-04-35.0-040918	04-082-07	9
FMW-04-50.0-040918	04-082-10	6
FMW-04-60.0-040918	04-082-12	4
FMW-05-5.0-040918	04-082-14	11
FMW-07-5.0-040918	04-082-15	10





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon
Project Number: 1065-010
Project Name: 10650 NE 8th St. (Wasatch)
Project Manager: Eric Buer
Sampled by: Daniel Aguilar

Turnaround Request (in working days)
(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-082**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-DX (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semi-volatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A						%	Moisture
1	Fmw-04-5.0-040918	4-9-18	1315	Soil	6			X	X		X									X									X
2	Fmw-04-10.0-040918		1325		6			X	X		X									X									X
3	Fmw-04-15.0-040918		1335		5			X	X		X																		X
4	Fmw-04-20.0-040918		1400		5			X	X		X																		X
5	Fmw-04-25.0-040918		1405		5			X	X		X																		X
6	Fmw-04-30.0-040918		1415		5																								
7	Fmw-04-35.0-040918		1425		5			X	X		X																		X
8	Fmw-04-40.0-040918		1430		5																								
9	Fmw-04-45.0-040918		1435		5																								
10	Fmw-04-50.0-040918		1605		5			X	X		X																		X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished					
Received	<u>Walter Lopez</u>	<u>OSE</u>	<u>4/10/18</u>	<u>1120</u>	<u>PM will call for analyses</u> <u>X-Added 4/10/18-DB (STA)</u>
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

Chain of Custody

Company: Farallon
 Project Number: 10GS-010
 Project Name: 10GS0 NE 8th St (wasatch)
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-082**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters																							
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-Up)	Volatiles 8280C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture						
11	FMW-04-55.0-040918	4-9-18	1615	Soil	5																								
12	FMW-04-60.0-040918	↓	1620	↓	5						X																	X	
13	FMW-04-65.0-040918	↓	1650	↓	5																								
14	FMW-05-5.0-040918	↓	1501 1531	↓	6		X	X		X									X								X		
15	FMW-07-5.0-040918	↓	1531	↓	6														X								X		

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>Farallon</u>	<u>4-9-18</u> 1940	<u>1940</u>	<u>* See Page one</u> <u>DB</u>
<u>[Signature]</u>	<u>OSE</u>	<u>4/10/18</u>	<u>1120</u>	
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 23, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-110

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 11, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 23, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-110
Project: 1065-010

Case Narrative

Samples were collected on April 10, 2018 and received by the laboratory on April 11, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-5.0-041018					
Laboratory ID:	04-110-02					
Gasoline	ND	4.9	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-04-80.0-041018					
Laboratory ID:	04-110-04					
Gasoline	ND	4.7	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-130				
Client ID:	FMW-04-85.0-041018					
Laboratory ID:	04-110-05					
Gasoline	ND	5.3	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				
Client ID:	FMW-04-90.0-041018					
Laboratory ID:	04-110-06					
Gasoline	ND	5.7	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-130				
Client ID:	FMW-04-100.0-041018					
Laboratory ID:	04-110-08					
Gasoline	ND	5.5	NWTPH-Gx	4-16-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	66-130				
Client ID:	FMW-09-5.0-041018					
Laboratory ID:	04-110-09					
Gasoline	ND	4.9	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-5.0-041018					
Laboratory ID:	04-110-10					
Gasoline	ND	6.2	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-130				
Client ID:	FMW-11-5.0-041018					
Laboratory ID:	04-110-11					
Gasoline	ND	5.2	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0416S1					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-150-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	95	66-130		



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Down-hole-041018					
Laboratory ID:	04-110-12					
Gasoline	ND	100	NWTPH-Gx	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>94</i>	<i>66-114</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0417W1					
Gasoline	ND	100	NWTPH-Gx	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-114				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-110-12							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				94	91	66-114		



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-5.0-041018					
Laboratory ID:	04-110-02					
Diesel Range Organics	ND	29	NWTPH-Dx	4-17-18	4-19-18	
Lube Oil Range Organics	58	58	NWTPH-Dx	4-17-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				
Client ID:	FMW-04-80.0-041018					
Laboratory ID:	04-110-04					
Diesel Range Organics	ND	26	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				
Client ID:	FMW-04-85.0-041018					
Laboratory ID:	04-110-05					
Diesel Range Organics	240	29	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				
Client ID:	FMW-04-90.0-041018					
Laboratory ID:	04-110-06					
Diesel Range Organics	ND	31	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	63	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	68	50-150				
Client ID:	FMW-04-100.0-041018					
Laboratory ID:	04-110-08					
Diesel Range Organics	ND	31	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	61	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FMW-09-5.0-041018					
Laboratory ID:	04-110-09					
Diesel Range Organics	ND	29	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-5.0-041018					
Laboratory ID:	04-110-10					
Diesel Range Organics	ND	32	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	140	63	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				
Client ID:	FMW-11-5.0-041018					
Laboratory ID:	04-110-11					
Diesel Range Organics	ND	30	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0417S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-17-18	4-17-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-110-08							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				87	82	50-150		



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-70.0-041018					
Laboratory ID:	04-110-01					
Dichlorodifluoromethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-70.0-041018					
Laboratory ID:	04-110-01					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0019	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-5.0-041018					
Laboratory ID:	04-110-02					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-5.0-041018					
Laboratory ID:	04-110-02					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-80.0-041018					
Laboratory ID:	04-110-04					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-80.0-041018					
Laboratory ID:	04-110-04					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-85.0-041018					
Laboratory ID:	04-110-05					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-85.0-041018					
Laboratory ID:	04-110-05					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-90.0-041018					
Laboratory ID:	04-110-06					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-90.0-041018					
Laboratory ID:	04-110-06					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-100.0-041018					
Laboratory ID:	04-110-08					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-100.0-041018					
Laboratory ID:	04-110-08					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>90</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-5.0-041018					
Laboratory ID:	04-110-09					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-5.0-041018					
Laboratory ID:	04-110-09					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-5.0-041018					
Laboratory ID:	04-110-10					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-5.0-041018					
Laboratory ID:	04-110-10					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0051	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-5.0-041018					
Laboratory ID:	04-110-11					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-5.0-041018					
Laboratory ID:	04-110-11					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0416S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0416S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0416S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0458	0.0419	0.0500	0.0500	92	84	58-126	9	20	
Benzene	0.0470	0.0440	0.0500	0.0500	94	88	72-122	7	19	
Trichloroethene	0.0453	0.0428	0.0500	0.0500	91	86	75-120	6	20	
Toluene	0.0424	0.0439	0.0500	0.0500	85	88	78-123	3	19	
Chlorobenzene	0.0425	0.0419	0.0500	0.0500	85	84	75-120	1	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					102	98	75-131			
<i>Toluene-d8</i>					93	97	83-130			
<i>4-Bromofluorobenzene</i>					98	98	78-130			



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Down-hole-041018					
Laboratory ID:	04-110-12					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	1.4	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.83	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	1.0	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	4.0	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Chloroform	13	0.20	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Benzene	0.36	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	0.96	0.20	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	1.0	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	Down-hole-041018					
Laboratory ID:	04-110-12					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	0.27	0.20	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.40	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	1.0	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0416W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	1.4	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.83	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	1.0	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	4.0	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	1.0	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0416W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.40	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	1.0	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

VOLATILES EPA 8260C
SB/SBD QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0416W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	9.08	8.90	10.0	10.0	91	89	63-126	2	21	
Benzene	9.95	9.70	10.0	10.0	100	97	78-122	3	19	
Trichloroethene	9.67	9.69	10.0	10.0	97	97	63-120	0	20	
Toluene	10.2	10.1	10.0	10.0	102	101	79-124	1	19	
Chlorobenzene	8.69	8.71	10.0	10.0	87	87	78-120	0	19	
<i>Surrogate:</i>										
Dibromofluoromethane					99	99	75-127			
Toluene-d8					102	102	80-127			
4-Bromofluorobenzene					99	97	78-125			



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID: 04-110-02						
Client ID: FMW-08-5.0-041018						
Arsenic	ND	12	6010D	4-16-18	4-18-18	
Barium	78	2.9	6010D	4-16-18	4-16-18	
Cadmium	ND	0.58	6010D	4-16-18	4-18-18	
Chromium	39	0.58	6010D	4-16-18	4-18-18	
Lead	ND	5.8	6010D	4-16-18	4-18-18	
Mercury	ND	0.29	7471B	4-17-18	4-17-18	
Selenium	ND	12	6010D	4-16-18	4-18-18	
Silver	ND	1.2	6010D	4-16-18	4-18-18	

Lab ID: 04-110-09						
Client ID: FMW-09-5.0-041018						
Arsenic	ND	12	6010D	4-16-18	4-18-18	
Barium	73	2.9	6010D	4-16-18	4-16-18	
Cadmium	ND	0.59	6010D	4-16-18	4-18-18	
Chromium	38	0.59	6010D	4-16-18	4-18-18	
Lead	ND	5.9	6010D	4-16-18	4-18-18	
Mercury	ND	0.29	7471B	4-17-18	4-17-18	
Selenium	ND	12	6010D	4-16-18	4-18-18	
Silver	ND	1.2	6010D	4-16-18	4-18-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-110-10					
Client ID:	FMW-10-5.0-041018					
Arsenic	ND	13	6010D	4-16-18	4-18-18	
Barium	63	3.2	6010D	4-16-18	4-16-18	
Cadmium	ND	0.63	6010D	4-16-18	4-18-18	
Chromium	40	0.63	6010D	4-16-18	4-18-18	
Lead	ND	6.3	6010D	4-16-18	4-18-18	
Mercury	ND	0.32	7471B	4-17-18	4-17-18	
Selenium	ND	13	6010D	4-16-18	4-18-18	
Silver	ND	1.3	6010D	4-16-18	4-18-18	

Lab ID:	04-110-11					
Client ID:	FMW-11-5.0-041018					
Arsenic	ND	12	6010D	4-16-18	4-18-18	
Barium	98	3.0	6010D	4-16-18	4-16-18	
Cadmium	ND	0.59	6010D	4-16-18	4-18-18	
Chromium	44	0.59	6010D	4-16-18	4-18-18	
Lead	ND	5.9	6010D	4-16-18	4-18-18	
Mercury	ND	0.30	7471B	4-17-18	4-17-18	
Selenium	ND	12	6010D	4-16-18	4-18-18	
Silver	ND	1.2	6010D	4-16-18	4-18-18	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

**TOTAL METALS
 EPA 6010D
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: MB0416SM1&MB0416SM2

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



Date of Report: April 23, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-110
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-17-18
Date Analyzed: 4-17-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0417S1

Analyte	Method	Result	PQL
Mercury	7471B	ND	0.25



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

**TOTAL METALS
 EPA 6010D
 DUPLICATE QUALITY CONTROL**

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-159-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	41.2	39.3	5	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	29.3	26.2	11	0.50	
Lead	ND	ND	NA	5.0	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 23, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-110
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL**

Date Extracted: 4-17-18

Date Analyzed: 4-17-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	ND	ND	NA	0.25	



Date of Report: April 23, 2018
 Samples Submitted: April 11, 2018
 Laboratory Reference: 1804-110
 Project: 1065-010

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

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-159-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	102	102	95.5	95	6	
Barium	100	151	110	145	104	4	
Cadmium	50.0	51.2	102	49.0	98	5	
Chromium	100	122	93	117	88	4	
Lead	250	256	103	245	98	5	
Selenium	100	101	101	95.8	96	5	
Silver	25.0	23.4	94	21.5	86	9	



Date of Report: April 23, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-110
Project: 1065-010

TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL

Date Extracted: 4-17-18

Date Analyzed: 4-17-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	0.511	102	0.509	102	0	



Date of Report: April 23, 2018
Samples Submitted: April 11, 2018
Laboratory Reference: 1804-110
Project: 1065-010

% MOISTURE

Date Analyzed: 4-16&17-18

Client ID	Lab ID	% Moisture
FMW-04-70.0-041018	04-110-01	5
FMW-08-5.0-041018	04-110-02	13
FMW-04-80.0-041018	04-110-04	14
FMW-04-85.0-041018	04-110-05	15
FMW-04-90.0-041018	04-110-06	20
FMW-04-100.0-041018	04-110-08	18
FMW-09-5.0-041018	04-110-09	15
FMW-10-5.0-041018	04-110-10	21
FMW-11-5.0-041018	04-110-11	16





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon Consulting
Project Number: 1065-010
Project Name: 10650 NE 8th St. (Wasatch)
Project Manager: Eric Buer
Sampled by: Daniel Aguilar

Turnaround Request (in working days)
(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **04-110**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	FMW-04-70.0-041018	4-10-18	925	Soil	5						<input checked="" type="checkbox"/>												<input checked="" type="checkbox"/>
2	FMW-08-5.0-041018		932		6			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>
3	FMW-04-75.0-041018		935		5																		
4	FMW-04-80.0-041018		950		5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>													<input checked="" type="checkbox"/>
5	FMW-04-85.0-041018		1000		5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>													<input checked="" type="checkbox"/>
6	FMW-04-90.0-041018		1035		5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>													<input checked="" type="checkbox"/>
7	FMW-04-95.0-041018		1203		5																		
8	FMW-04-100.0-041018		1206		5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>													<input checked="" type="checkbox"/>
9	FMW-09-5.0-041018		1400		5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>										<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>
10	FMW-10-5.0-041018		1420		6		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>									<input checked="" type="checkbox"/>				<input checked="" type="checkbox"/>

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	Farallon	4-10-18	1900	
<u>[Signature]</u>	GSE	4/11	1130	
				PM will contact onsite for analytical
				<input checked="" type="checkbox"/> Added 4/13/18. DB (STA)
				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

Chain of Custody

Company: Farallon Consulting
 Project Number: 1650-010-1065-010 ^{P2}
 Project Name: 10650 NE 8th St (Wasatch)
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-110**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Ox/ SEPC	NWTPH-Ox	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1661A	% Moisture	
11	FMW-11-5.0-041018	4-10-18	1600	Soil	6	(X)	(X)	(X)	(X)	(X)	(X)													(X)
12	Down-hole-041018	↓	1015	Water	3	(X)	(X)	(X)	(X)	(X)	(X)													

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<u>[Signature]</u>	Farallon	4-10-18	1900	See page 1
Received	<u>[Signature]</u>	OSE	4/11/18	1130	
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date		Reviewed/Date			Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 23, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-132

Dear Eric:

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

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 23, 2018
Samples Submitted: April 12, 2018
Laboratory Reference: 1804-132
Project: 1065-010

Case Narrative

Samples were collected on April 11, 2018 and received by the laboratory on April 12, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-5.0-041118					
Laboratory ID:	04-132-01					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-13-5.0-041118					
Laboratory ID:	04-132-02					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-130				
Client ID:	FMW-12-13.0-041118					
Laboratory ID:	04-132-04					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-130				
Client ID:	FMW-12-20.0-041118					
Laboratory ID:	04-132-05					
Gasoline	ND	4.4	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-130				
Client ID:	FMW-12-25.0-041118					
Laboratory ID:	04-132-06					
Gasoline	ND	4.2	NWTPH-Gx	4-16-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	66-130				
Client ID:	FMW-12-35.0-041118					
Laboratory ID:	04-132-08					
Gasoline	ND	4.2	NWTPH-Gx	4-16-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-45.0-041118					
Laboratory ID:	04-132-10					
Gasoline	ND	4.4	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				
Client ID:	FMW-12-55.0-041118					
Laboratory ID:	04-132-12					
Gasoline	ND	4.0	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-12-90.0-041118					
Laboratory ID:	04-132-18					
Gasoline	ND	5.5	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0416S1					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-130				
Laboratory ID:	MB0416S2					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-150-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				91	95	66-130		
DUPLICATE								
Laboratory ID:	04-150-04							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				94	89	66-130		



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-5.0-041118					
Laboratory ID:	04-132-01					
Diesel Range Organics	99	29	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FMW-13-5.0-041118					
Laboratory ID:	04-132-02					
Diesel Range Organics	ND	29	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	FMW-12-13.0-041118					
Laboratory ID:	04-132-04					
Diesel Range Organics	ND	29	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	58	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				
Client ID:	FMW-12-20.0-041118					
Laboratory ID:	04-132-05					
Diesel Range Organics	ND	27	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	71	50-150				
Client ID:	FMW-12-25.0-041118					
Laboratory ID:	04-132-06					
Diesel Range Organics	ND	27	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FMW-12-35.0-041118					
Laboratory ID:	04-132-08					
Diesel Range Organics	ND	27	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-45.0-041118					
Laboratory ID:	04-132-10					
Diesel Range Organics	ND	27	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				
Client ID:	FMW-12-55.0-041118					
Laboratory ID:	04-132-12					
Diesel Range Organics	ND	27	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				
Client ID:	FMW-12-90.0-041118					
Laboratory ID:	04-132-18					
Diesel Range Organics	ND	31	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	62	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0416S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-16-18	4-16-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-132-04							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>			89	100	50-150			



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-5.0-041118					
Laboratory ID:	04-132-01					
Dichlorodifluoromethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-5.0-041118					
Laboratory ID:	04-132-01					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0019	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-5.0-041118					
Laboratory ID:	04-132-02					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-5.0-041118					
Laboratory ID:	04-132-02					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-13.0-041118					
Laboratory ID:	04-132-04					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-13.0-041118					
Laboratory ID:	04-132-04					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	0.0013	0.00077	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-20.0-041118					
Laboratory ID:	04-132-05					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-20.0-041118					
Laboratory ID:	04-132-05					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-25.0-041118					
Laboratory ID:	04-132-06					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-25.0-041118					
Laboratory ID:	04-132-06					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-35.0-041118					
Laboratory ID:	04-132-08					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-35.0-041118					
Laboratory ID:	04-132-08					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>93</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-45.0-041118					
Laboratory ID:	04-132-10					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-45.0-041118					
Laboratory ID:	04-132-10					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-55.0-041118					
Laboratory ID:	04-132-12					
Dichlorodifluoromethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-55.0-041118					
Laboratory ID:	04-132-12					
1,1,2-Trichloroethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0013	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0033	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00066	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-60.0-041118					
Laboratory ID:	04-132-13					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-60.0-041118					
Laboratory ID:	04-132-13					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-75.0-041118					
Laboratory ID:	04-132-15					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-75.0-041118					
Laboratory ID:	04-132-15					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-85.0-041118					
Laboratory ID:	04-132-17					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-85.0-041118					
Laboratory ID:	04-132-17					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-90.0-041118					
Laboratory ID:	04-132-18					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-12-90.0-041118					
Laboratory ID:	04-132-18					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>91</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>83</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0413S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Chloromethane	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Bromomethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Chloroethane	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Iodomethane	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Chloroform	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Benzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Toluene	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0413S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-13-18	4-13-18	
o-Xylene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Bromoform	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-13-18	4-13-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-13-18	4-13-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>93</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0413S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0384	0.0421	0.0500	0.0500	77	84	58-126	9	20	
Benzene	0.0415	0.0466	0.0500	0.0500	83	93	72-122	12	19	
Trichloroethene	0.0414	0.0463	0.0500	0.0500	83	93	75-120	11	20	
Toluene	0.0419	0.0476	0.0500	0.0500	84	95	78-123	13	19	
Chlorobenzene	0.0400	0.0451	0.0500	0.0500	80	90	75-120	12	18	
<i>Surrogate:</i>										
Dibromofluoromethane					98	98	75-131			
Toluene-d8					98	98	83-130			
4-Bromofluorobenzene					98	101	78-130			



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-132-01					
Client ID:	FMW-12-5.0-041118					
Arsenic	ND	11	6010D	4-16-18	4-18-18	
Barium	99	2.9	6010D	4-16-18	4-16-18	
Cadmium	ND	0.57	6010D	4-16-18	4-18-18	
Chromium	45	0.57	6010D	4-16-18	4-18-18	
Lead	ND	5.7	6010D	4-16-18	4-18-18	
Mercury	ND	0.29	7471B	4-17-18	4-17-18	
Selenium	ND	11	6010D	4-16-18	4-18-18	
Silver	ND	1.1	6010D	4-16-18	4-18-18	

Lab ID:	04-132-02					
Client ID:	FMW-13-5.0-041118					
Arsenic	ND	11	6010D	4-16-18	4-18-18	
Barium	65	2.9	6010D	4-16-18	4-16-18	
Cadmium	ND	0.57	6010D	4-16-18	4-18-18	
Chromium	36	0.57	6010D	4-16-18	4-18-18	
Lead	ND	5.7	6010D	4-16-18	4-18-18	
Mercury	0.33	0.29	7471B	4-17-18	4-17-18	
Selenium	ND	11	6010D	4-16-18	4-18-18	
Silver	ND	1.1	6010D	4-16-18	4-18-18	



Date of Report: April 23, 2018
Samples Submitted: April 12, 2018
Laboratory Reference: 1804-132
Project: 1065-010

**TOTAL METALS
EPA 6010D
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-16-18
Date Analyzed: 4-16&18-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0416SM1&MB0416SM2

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



Date of Report: April 23, 2018
Samples Submitted: April 12, 2018
Laboratory Reference: 1804-132
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-17-18
Date Analyzed: 4-17-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0417S1

Analyte	Method	Result	PQL
Mercury	7471B	ND	0.25



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

**TOTAL METALS
 EPA 6010D
 DUPLICATE QUALITY CONTROL**

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-159-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	41.2	39.3	5	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	29.3	26.2	11	0.50	
Lead	ND	ND	NA	5.0	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 23, 2018
Samples Submitted: April 12, 2018
Laboratory Reference: 1804-132
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL**

Date Extracted: 4-17-18

Date Analyzed: 4-17-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	ND	ND	NA	0.25	



Date of Report: April 23, 2018
 Samples Submitted: April 12, 2018
 Laboratory Reference: 1804-132
 Project: 1065-010

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

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-159-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	102	102	95.5	95	6	
Barium	100	151	110	145	104	4	
Cadmium	50.0	51.2	102	49.0	98	5	
Chromium	100	122	93	117	88	4	
Lead	250	256	103	245	98	5	
Selenium	100	101	101	95.8	96	5	
Silver	25.0	23.4	94	21.5	86	9	



Date of Report: April 23, 2018
Samples Submitted: April 12, 2018
Laboratory Reference: 1804-132
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL**

Date Extracted: 4-17-18

Date Analyzed: 4-17-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	0.511	102	0.509	102	0	



Date of Report: April 23, 2018
Samples Submitted: April 12, 2018
Laboratory Reference: 1804-132
Project: 1065-010

% MOISTURE

Date Analyzed: 4-13-18

Client ID	Lab ID	% Moisture
FMW-12-5.0-041118	04-132-01	12
FMW-13-5.0-041118	04-132-02	13
FMW-12-13.0-041118	04-132-04	14
FMW-12-20.0-041118	04-132-05	8
FMW-12-25.0-041118	04-132-06	7
FMW-12-35.0-041118	04-132-08	8
FMW-12-45.0-041118	04-132-10	7
FMW-12-55.0-041118	04-132-12	7
FMW-12-60.0-041118	04-132-13	4
FMW-12-75.0-041118	04-132-15	8
FMW-12-85.0-041118	04-132-17	19
FMW-12-90.0-041118	04-132-18	19





Data Qualifiers and Abbreviations

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





Chain of Custody

Company: Farallon Consulting
 Project Number: 1065-010
 Project Name: 8A-10650 NE 8th St
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar

Turnaround Request (In working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-132

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters																
						NWTPH-HCID	NWTPH-Gw/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A
1	FMW-12-5.0-041118	4-11-18	800	Soil	6		X	X		X												X
2	FMW-12- ^{3.0A} 5.0-041118		915		6		X	X		X												X
3	FMW-12-10.0-041118		920		6																	
4	FMW-12-13.0-041118		930		5		X	X		X												X
5	FMW-12-20.0-041118		940		1		X	X		X												X
6	FMW-12-25.0-041118		950		1		X	X		X												X
7	FMW-12-30.0-041118		1000		1																	
8	FMW-12-35.0-041118		1025		1		X	X		X												X
9	FMW-12-40.0-041118		1035		1																	
10	FMW-12-45.0-041118		1050		1		X	X		X												X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	4-11-18	1853	⊕ Added 4/13/18 - DB (STA)
Received		OSE	4/12/18	1200	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

Chain of Custody

Company: Farallon Consulting
 Project Number: 1065-010
 Project Name: 10650 NE 8th St
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-132

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	FMw-12-49.0-041118	4-11-18	1100	Soil	5
12	FMw-12-55.0-041118	↓	1105	↓	↓
13	FMw-12-60.0-041118		1205		
14	FMw-12-65.0-041118		1220		
15	FMw-12-75.0-041118		1605		
16	FMw-12-80.0-041118		1620		
17	FMw-12-85.0-041118		1635		
18	FMw-12-90.0-041118		1645		

NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx <input type="checkbox"/> Acid / SG Clean-up	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8061B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
					(X)												(X)
					(X)												(X)
																	(X)
																	(X)
																	(X)
																	(X)

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<u>D. J. A.</u>	<u>Farallon</u>	<u>4-11-18</u>	<u>1853</u>	
Received	<u>Kathie Lee</u>	<u>OSE</u>	<u>4/12/18</u>	<u>1200</u>	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 23, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-160

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 13, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 23, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-160
Project: 1065-010

Case Narrative

Samples were collected on April 12, 2018 and received by the laboratory on April 13, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-10.0					
Laboratory ID:	04-160-01					
Gasoline	ND	4.5	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				
Client ID:	FMW-07-15.0					
Laboratory ID:	04-160-02					
Gasoline	ND	4.0	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-07-20.0					
Laboratory ID:	04-160-03					
Gasoline	ND	4.2	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-07-30.0					
Laboratory ID:	04-160-05					
Gasoline	ND	3.9	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-07-33.0					
Laboratory ID:	04-160-06					
Gasoline	ND	3.9	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				
Client ID:	FMW-07-38.0					
Laboratory ID:	04-160-07					
Gasoline	ND	4.4	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-60.0					
Laboratory ID:	04-160-11					
Gasoline	ND	3.9	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>94</i>	<i>66-130</i>				
Client ID:	FMW-07-70.0					
Laboratory ID:	04-160-13					
Gasoline	ND	4.5	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>91</i>	<i>66-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0416S2					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-130				
Laboratory ID:	MB0416S3					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-150-04							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				94	89	66-130		
Laboratory ID:	04-150-05							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				92	86	66-130		



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-10.0					
Laboratory ID:	04-160-01					
Diesel Range Organics	ND	28	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				
Client ID:	FMW-07-15.0					
Laboratory ID:	04-160-02					
Diesel Range Organics	ND	27	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FMW-07-20.0					
Laboratory ID:	04-160-03					
Diesel Range Organics	ND	27	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				
Client ID:	FMW-07-30.0					
Laboratory ID:	04-160-05					
Diesel Range Organics	ND	27	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				
Client ID:	FMW-07-33.0					
Laboratory ID:	04-160-06					
Diesel Range Organics	ND	27	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				
Client ID:	FMW-07-38.0					
Laboratory ID:	04-160-07					
Diesel Range Organics	ND	27	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-60.0					
Laboratory ID:	04-160-11					
Diesel Range Organics	ND	26	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	52	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				
Client ID:	FMW-07-70.0					
Laboratory ID:	04-160-13					
Diesel Range Organics	ND	26	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	52	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0417S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-17-18	4-17-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-160-03							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				98	89	50-150		



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-10.0					
Laboratory ID:	04-160-01					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-10.0					
Laboratory ID:	04-160-01					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-15.0					
Laboratory ID:	04-160-02					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-15.0					
Laboratory ID:	04-160-02					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-20.0					
Laboratory ID:	04-160-03					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	0.00091	0.00076	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-20.0					
Laboratory ID:	04-160-03					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-30.0					
Laboratory ID:	04-160-05					
Dichlorodifluoromethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	0.0010	0.00071	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-30.0					
Laboratory ID:	04-160-05					
1,1,2-Trichloroethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,1,1,2,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00071	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-33.0					
Laboratory ID:	04-160-06					
Dichlorodifluoromethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	0.00093	0.00069	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	0.0015	0.00069	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-33.0					
Laboratory ID:	04-160-06					
1,1,2-Trichloroethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00069	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-38.0					
Laboratory ID:	04-160-07					
Dichlorodifluoromethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	0.0021	0.00070	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	0.018	0.00070	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-38.0					
Laboratory ID:	04-160-07					
1,1,2-Trichloroethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00070	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-45.0					
Laboratory ID:	04-160-08					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	0.00078	0.00074	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	0.0031	0.00074	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-45.0					
Laboratory ID:	04-160-08					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-50.0					
Laboratory ID:	04-160-09					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	0.0066	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-50.0					
Laboratory ID:	04-160-09					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>116</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-60.0					
Laboratory ID:	04-160-11					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-60.0					
Laboratory ID:	04-160-11					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0021	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0052	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>106</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-70.0					
Laboratory ID:	04-160-13					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-70.0					
Laboratory ID:	04-160-13					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0416S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloromethane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroethane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Iodomethane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chloroform	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Benzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Toluene	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0416S2					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-16-18	4-16-18	
o-Xylene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Bromoform	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-16-18	4-16-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-16-18	4-16-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0416S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0458	0.0419	0.0500	0.0500	92	84	58-126	9	20	
Benzene	0.0470	0.0440	0.0500	0.0500	94	88	72-122	7	19	
Trichloroethene	0.0453	0.0428	0.0500	0.0500	91	86	75-120	6	20	
Toluene	0.0424	0.0439	0.0500	0.0500	85	88	78-123	3	19	
Chlorobenzene	0.0425	0.0419	0.0500	0.0500	85	84	75-120	1	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					102	98	75-131			
<i>Toluene-d8</i>					93	97	83-130			
<i>4-Bromofluorobenzene</i>					98	98	78-130			



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-160-01					
Client ID:	FMW-07-10.0					
Arsenic	ND	11	6010D	4-16-18	4-18-18	
Barium	44	2.8	6010D	4-16-18	4-16-18	
Cadmium	ND	0.56	6010D	4-16-18	4-18-18	
Chromium	37	0.56	6010D	4-16-18	4-18-18	
Lead	ND	5.6	6010D	4-16-18	4-18-18	
Mercury	ND	0.28	7471B	4-17-18	4-17-18	
Selenium	ND	11	6010D	4-16-18	4-18-18	
Silver	ND	1.1	6010D	4-16-18	4-18-18	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

**TOTAL METALS
 EPA 6010D
 METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: MB0416SM1&MB0416SM2

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



Date of Report: April 23, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-160
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-17-18
Date Analyzed: 4-17-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0417S1

Analyte	Method	Result	PQL
Mercury	7471B	ND	0.25



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

**TOTAL METALS
 EPA 6010D
 DUPLICATE QUALITY CONTROL**

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-159-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	41.2	39.3	5	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	29.3	26.2	11	0.50	
Lead	ND	ND	NA	5.0	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 23, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-160
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL**

Date Extracted: 4-17-18

Date Analyzed: 4-17-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-132-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	ND	ND	NA	0.25	



Date of Report: April 23, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-160
 Project: 1065-010

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

Date Extracted: 4-16-18
 Date Analyzed: 4-16&18-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-159-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	102	102	95.5	95	6	
Barium	100	151	110	145	104	4	
Cadmium	50.0	51.2	102	49.0	98	5	
Chromium	100	122	93	117	88	4	
Lead	250	256	103	245	98	5	
Selenium	100	101	101	95.8	96	5	
Silver	25.0	23.4	94	21.5	86	9	



Date of Report: April 23, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-160
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL**

Date Extracted: 4-17-18

Date Analyzed: 4-17-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-132-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	0.511	102	0.509	102	0	



Date of Report: April 23, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-160
Project: 1065-010

% MOISTURE

Date Analyzed: 4-16&17-18

Client ID	Lab ID	% Moisture
FMW-07-10.0	04-160-01	11
FMW-07-15.0	04-160-02	8
FMW-07-20.0	04-160-03	6
FMW-07-30.0	04-160-05	8
FMW-07-33.0	04-160-06	8
FMW-07-38.0	04-160-07	9
FMW-07-45.0	04-160-08	7
FMW-07-50.0	04-160-09	7
FMW-07-60.0	04-160-11	4
FMW-07-70.0	04-160-13	4





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon Consulting
Project Number: 1065-010
Project Name: 10650 NE 8th St (Wasaich)
Project Manager: Eric Buer
Sampled by: Daniel Aguilera

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 04-160

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EPA EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
1	FMW-07-10.0	4-12-18	1325	Soil	6		X	X	X										X					X
2	FMW-07-15.0		1340		5		X	X	X															X
3	FMW-07-20.0		1345				X	X	X															X
4	FMW-07-25.0		1430																					
5	FMW-07-30.0		1435				X	X	X															X
6	FMW-07-33.0		1455				X	X	X															X
7	FMW-07-38.0		1505				X	X	X															X
8	FMW-07-45.0		1530								X													X
9	FMW-07-50.0		1535								X													X
10	FMW-07-55.0		1600																					

Signature	Company	Date	Time	Comments/Special Instructions
<i>D.A.</i>	Farallon	4-12-18	1900	• PM will contact for analyses D3
<i>[Signature]</i>	082E	4/13/18	1255	
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date	Reviewed/Date	Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>		
		Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>		

Chain of Custody

Company: Farallon Consulting
 Project Number: 10GS-010
 Project Name: 10GS0-NE 8th St. (Wasatch)
 Project Manager: Eric Bjer
 Sampled by: Daniel Aguilar



Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-160**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
						11	FMW-07-60.0-041218	4-12-18	1620	Soil	5			X	X		X							
12	FMW-07-65.0-041218	↓	1640	↓	↓																			
13	FMW-07-70.0-041218	↓	1730	↓	↓			X	X		X													X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	4-12-18	1700	. see page one DP
Received		COBE	4/13/18	1255	
Relinquished					
Received					
Relinquished					
Received					Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date		Reviewed/Date			Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 20, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-162

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 13, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 20, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-162
Project: 1065-010

Case Narrative

Samples were collected on April 13, 2018 and received by the laboratory on April 13, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-90.0-041318					
Laboratory ID:	04-162-04					
Gasoline	ND	4.8	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	103	66-130				
Client ID:	FMW-06-25.0-041318					
Laboratory ID:	04-162-06					
Gasoline	ND	4.4	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-130				
Client ID:	FMW-06-35.0-041318					
Laboratory ID:	04-162-07					
Gasoline	ND	4.0	NWTPH-Gx	4-16-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-130				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0416S3					
Gasoline	ND	5.0	NWTPH-Gx	4-16-18	4-16-18	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
Fluorobenzene	90	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-150-05							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
Surrogate:								
Fluorobenzene				92	86	66-130		



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-90.0-041318					
Laboratory ID:	04-162-04					
Diesel Range Organics	ND	29	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				
Client ID:	FMW-06-25.0-041318					
Laboratory ID:	04-162-06					
Diesel Range Organics	ND	28	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				
Client ID:	FMW-06-35.0-041318					
Laboratory ID:	04-162-07					
Diesel Range Organics	ND	27	NWTPH-Dx	4-17-18	4-18-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0417S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-17-18	4-17-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-160-03							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				98	89	50-150		



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-80.0-041318					
Laboratory ID:	04-162-02					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-80.0-041318					
Laboratory ID:	04-162-02					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>115</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>117</i>	<i>78-130</i>				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-90.0-041318					
Laboratory ID:	04-162-04					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0052	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-90.0-041318					
Laboratory ID:	04-162-04					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>116</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>114</i>	<i>78-130</i>				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-95.0-041318					
Laboratory ID:	04-162-05					
Dichlorodifluoromethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0013	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0064	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-95.0-041318					
Laboratory ID:	04-162-05					
1,1,2-Trichloroethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00098	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>122</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>123</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>121</i>	<i>78-130</i>				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-06-25.0-041318					
Laboratory ID:	04-162-06					
Dichlorodifluoromethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.00095	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0048	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-06-25.0-041318					
Laboratory ID:	04-162-06					
1,1,2-Trichloroethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	0.0016	0.0015	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00073	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>113</i>	<i>78-130</i>				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-06-35.0-041318					
Laboratory ID:	04-162-07					
Dichlorodifluoromethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	0.0023	0.00071	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.00092	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0046	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	0.0086	0.00071	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-06-35.0-041318					
Laboratory ID:	04-162-07					
1,1,2-Trichloroethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00071	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>109</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>113</i>	<i>78-130</i>				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0417S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0013	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0065	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0417S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>78-130</i>				



Date of Report: April 20, 2018
 Samples Submitted: April 13, 2018
 Laboratory Reference: 1804-162
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0417S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0450	0.0427	0.0500	0.0500	90	85	58-126	5	20	
Benzene	0.0493	0.0469	0.0500	0.0500	99	94	72-122	5	19	
Trichloroethene	0.0489	0.0475	0.0500	0.0500	98	95	75-120	3	20	
Toluene	0.0493	0.0473	0.0500	0.0500	99	95	78-123	4	19	
Chlorobenzene	0.0460	0.0448	0.0500	0.0500	92	90	75-120	3	18	
<i>Surrogate:</i>										
Dibromofluoromethane					103	96	75-131			
Toluene-d8					102	99	83-130			
4-Bromofluorobenzene					101	99	78-130			



Date of Report: April 20, 2018
Samples Submitted: April 13, 2018
Laboratory Reference: 1804-162
Project: 1065-010

% MOISTURE

Date Analyzed: 4-17-18

Client ID	Lab ID	% Moisture
FMW-07-80.0-041318	04-162-02	4
FMW-07-90.0-041318	04-162-04	15
FMW-07-95.0-041318	04-162-05	21
FMW-06-25.0-041318	04-162-06	9
FMW-06-35.0-041318	04-162-07	9





Data Qualifiers and Abbreviations

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



Chain of Custody

Laboratory Number: **04-162**

Company: Farallon Consulting
Project Number: 1065-010
Project Name: 10650-NE 8th St. (Wasatch)
Project Manager: Eric Buer/Riley Conkin
Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FMW-07-75.0-041318	4-13-18	850	Soil	5
2	FMW-07-80.0-041318	↓	900	↓	↓
3	FMW-07-85.0-041318		1005		
4	FMW-07-90.0-041318		1010		
5	FMW-07-95.0-041318		1100		
6	FMW-06-25.0-041318		1430		
7	FMW-06-35.0-041318		1435		

NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	4-13-18	1700 ^{DA}	<p>← PA will contact Onsite with analyses</p> <p>⊗ Added 4/16/18 - DB (STA)</p>
Received		OSE	4/13/18	1700	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
					Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 24, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-176

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 17, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 24, 2018
Samples Submitted: April 17, 2018
Laboratory Reference: 1804-176
Project: 1065-010

Case Narrative

Samples were collected on April 16, 2018 and received by the laboratory on April 17, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-15.0-041618					
Laboratory ID:	04-176-02					
Gasoline	ND	5.1	NWTPH-Gx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	66-130				
Client ID:	FMW-08-20.0-041618					
Laboratory ID:	04-176-03					
Gasoline	ND	4.3	NWTPH-Gx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-08-30.0-041618					
Laboratory ID:	04-176-05					
Gasoline	ND	4.1	NWTPH-Gx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-130				
Client ID:	FMW-08-33.0-041618					
Laboratory ID:	04-176-06					
Gasoline	ND	4.5	NWTPH-Gx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	66-130				
Client ID:	FMW-08-40.0-041618					
Laboratory ID:	04-176-07					
Gasoline	ND	4.3	NWTPH-Gx	4-17-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0417S1					
Gasoline	ND	5.0	NWTPH-Gx	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-173-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				95	91	66-130		



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-15.0-041618					
Laboratory ID:	04-176-02					
Diesel Range Organics	ND	30	NWTPH-Dx	4-18-18	4-18-18	
Lube Oil Range Organics	ND	60	NWTPH-Dx	4-18-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				
Client ID:	FMW-08-20.0-041618					
Laboratory ID:	04-176-03					
Diesel Range Organics	ND	27	NWTPH-Dx	4-18-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-18-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FMW-08-30.0-041618					
Laboratory ID:	04-176-05					
Diesel Range Organics	ND	27	NWTPH-Dx	4-18-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-18-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				
Client ID:	FMW-08-33.0-041618					
Laboratory ID:	04-176-06					
Diesel Range Organics	ND	27	NWTPH-Dx	4-18-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-18-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FMW-08-40.0-041618					
Laboratory ID:	04-176-07					
Diesel Range Organics	ND	27	NWTPH-Dx	4-18-18	4-18-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-18-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0418S1					
Diesel Range Organics	ND	25	NWTPH-Dx	4-18-18	4-18-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-18-18	4-18-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	<i>102</i>	<i>50-150</i>				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-176-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				82	94	50-150		



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-15.0-041618					
Laboratory ID:	04-176-02					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0011	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0056	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-15.0-041618					
Laboratory ID:	04-176-02					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>115</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-20.0-041618					
Laboratory ID:	04-176-03					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.00097	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0048	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-20.0-041618					
Laboratory ID:	04-176-03					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-30.0-041618					
Laboratory ID:	04-176-05					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.00099	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0049	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-30.0-041618					
Laboratory ID:	04-176-05					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>116</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>117</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>120</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-33.0-041618					
Laboratory ID:	04-176-06					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0011	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0056	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-33.0-041618					
Laboratory ID:	04-176-06					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>108</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-40.0-041618					
Laboratory ID:	04-176-07					
Dichlorodifluoromethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.00094	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-40.0-041618					
Laboratory ID:	04-176-07					
1,1,2-Trichloroethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00072	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>116</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-50.0-041618					
Laboratory ID:	04-176-09					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-50.0-041618					
Laboratory ID:	04-176-09					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-60.0-041618					
Laboratory ID:	04-176-11					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0051	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-60.0-041618					
Laboratory ID:	04-176-11					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-70.0-041618					
Laboratory ID:	04-176-13					
Dichlorodifluoromethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0052	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-70.0-041618					
Laboratory ID:	04-176-13					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-77.0-041618					
Laboratory ID:	04-176-15					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0012	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0059	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-77.0-041618					
Laboratory ID:	04-176-15					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-90.0-041618					
Laboratory ID:	04-176-17					
Dichlorodifluoromethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0012	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0060	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-08-90.0-041618					
Laboratory ID:	04-176-17					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0019	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>111</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0417S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloromethane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromomethane	ND	0.0013	EPA 8260C	4-17-18	4-17-18	
Chloroethane	ND	0.0065	EPA 8260C	4-17-18	4-17-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Iodomethane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chloroform	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Benzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Toluene	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0417S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-17-18	4-17-18	
o-Xylene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Bromoform	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-17-18	4-17-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-17-18	4-17-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0417S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0450	0.0427	0.0500	0.0500	90	85	58-126	5	20	
Benzene	0.0493	0.0469	0.0500	0.0500	99	94	72-122	5	19	
Trichloroethene	0.0489	0.0475	0.0500	0.0500	98	95	75-120	3	20	
Toluene	0.0493	0.0473	0.0500	0.0500	99	95	78-123	4	19	
Chlorobenzene	0.0460	0.0448	0.0500	0.0500	92	90	75-120	3	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					103	96	75-131			
<i>Toluene-d8</i>					102	99	83-130			
<i>4-Bromofluorobenzene</i>					101	99	78-130			



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-176-02					
Client ID:	FMW-08-15.0-041618					
Arsenic	ND	12	6010D	4-18-18	4-18-18	
Barium	43	3.0	6010D	4-18-18	4-18-18	
Cadmium	ND	0.60	6010D	4-18-18	4-18-18	
Chromium	30	0.60	6010D	4-18-18	4-18-18	
Lead	9.3	6.0	6010D	4-18-18	4-18-18	
Mercury	ND	0.30	7471B	4-19-18	4-19-18	
Selenium	ND	12	6010D	4-18-18	4-18-18	
Silver	ND	1.2	6010D	4-18-18	4-18-18	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

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

Date Extracted: 4-18&19-18
 Date Analyzed: 4-18&19-18

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: MB0418SM3&MB0419S1

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



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

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

Date Extracted: 4-18&19-18
 Date Analyzed: 4-18&19-18

Matrix: Soil
 Units: mg/kg (ppm)

Lab ID: 04-176-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	36.3	38.8	7	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	25.1	30.3	19	0.50	
Lead	7.80	ND	NA	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 24, 2018
 Samples Submitted: April 17, 2018
 Laboratory Reference: 1804-176
 Project: 1065-010

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

Date Extracted: 4-18&19-18

Date Analyzed: 4-18&19-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-176-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	99.3	99	107	107	8	
Barium	100	139	103	145	109	4	
Cadmium	50.0	52.0	104	54.5	109	5	
Chromium	100	118	93	120	95	2	
Lead	250	258	100	273	106	5	
Mercury	0.500	0.517	103	0.516	103	0	
Selenium	100	102	102	108	108	6	
Silver	25.0	23.6	94	24.9	100	5	



Date of Report: April 24, 2018
Samples Submitted: April 17, 2018
Laboratory Reference: 1804-176
Project: 1065-010

% MOISTURE

Date Analyzed: 4-17-18

Client ID	Lab ID	% Moisture
FMW-08-15.0-041618	04-176-02	16
FMW-08-20.0-041618	04-176-03	7
FMW-08-30.0-041618	04-176-05	7
FMW-08-33.0-041618	04-176-06	7
FMW-08-40.0-041618	04-176-07	8
FMW-08-50.0-041618	04-176-09	5
FMW-08-60.0-041618	04-176-11	3
FMW-08-70.0-041618	04-176-13	4
FMW-08-77.0-041618	04-176-15	19
FMW-08-90.0-041618	04-176-17	22





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon Consulting
Project Number: 1065-010
Project Name: 10650 NE 8th St. (Wasatch)
Project Manager: Eric Buer, Riley Conkin
Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-176**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FMW-08-10.0-041618	4/16/18	905	Soil	5
2	FMW-08-15.0-041618		915		
3	FMW-08-20.0-041618		920		
4	FMW-08-25.0-041618		930		
5	FMW-08-30.0-041618		940		
6	FMW-08-33.0-041618		1000		
7	FMW-08-40.0-041618		1010		
8	FMW-08-45.0-041618		1020		
9	FMW-08-50.0-041618		1035		
10	FMW-08-55.0-041618		1045		

NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Ox	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	SemiVolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total FCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
		X	X		X								X				X
		X	X		X												X
		X	X		X												X
		X	X		X												X
						X											X

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	Farallon	4-17-18	7:00	
<u>[Signature]</u>	OSE	4-17-18	11:20	- PM will contact OnSite for analyses <u>DB</u>
				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

Chain of Custody

Company: Farallon Consulting
 Project Number: 1068-010
 Project Name: 10680 NE 8th St (Wasatch)
 Project Manager: Eric Boer, Riley Conkin
 Sampled by: Daniel Aguilar


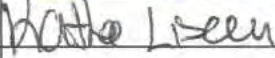
Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-176**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-GxBTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture		
11	FMW-08-60.0-041618	4-16-18	1100	Soil	5						X													X	
12	FMW-08-65.0-041618	↓	1130	↓	↓																				
13	FMW-08-70.0-041618		1250								X														X
14	FMW-08-75.0-041618		1300																						
15	FMW-08-77.0-041618		1350								X														X
16	FMW-08-85.0-041618		1400																						
17	FMW-08-90.0-041618	↓	1410	↓	↓						X														X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	4-17-18	7:00	• See page one
Received		OSE	4/17/18	11:20	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 23, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-203

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 18, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 23, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-203
Project: 1065-010

Case Narrative

Samples were collected on April 17, 2018 and received by the laboratory on April 18, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-10.0-041718					
Laboratory ID:	04-203-01					
Gasoline	ND	4.5	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				
Client ID:	FMW-10-20.0-041718					
Laboratory ID:	04-203-03					
Gasoline	ND	4.5	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-10-28.0-041718					
Laboratory ID:	04-203-05					
Gasoline	ND	4.3	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-130				
Client ID:	FMW-10-40.0-041718					
Laboratory ID:	04-203-07					
Gasoline	ND	3.9	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-130				
Client ID:	FMW-10-45.0-041718					
Laboratory ID:	04-203-08					
Gasoline	ND	4.1	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-130				
Client ID:	FMW-10-55.0-041718					
Laboratory ID:	04-203-10					
Gasoline	ND	4.3	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-85.0-041718					
Laboratory ID:	04-203-16					
Gasoline	ND	5.4	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-130				
Client ID:	FMW-09-10.0-041718					
Laboratory ID:	04-203-17					
Gasoline	ND	4.5	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-130				
Client ID:	FMW-09-15.0-041718					
Laboratory ID:	04-203-18					
Gasoline	ND	4.2	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	99	66-130				
Client ID:	FMW-09-20.0-041718					
Laboratory ID:	04-203-19					
Gasoline	ND	4.5	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				
Client ID:	FMW-09-25.0-041718					
Laboratory ID:	04-203-20					
Gasoline	ND	4.4	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	66-130				
Client ID:	FMW-09-30.0-041718					
Laboratory ID:	04-203-21					
Gasoline	ND	4.1	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-130				
Client ID:	FMW-09-50.0-041718					
Laboratory ID:	04-203-25					
Gasoline	ND	4.3	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0419S2					
Gasoline	ND	5.0	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-130				
Laboratory ID:	MB0419S3					
Gasoline	ND	5.0	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-152-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				104	104	66-130		
Laboratory ID:	04-152-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				95	102	66-130		



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-10.0-041718					
Laboratory ID:	04-203-01					
Diesel Range Organics	ND	29	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FMW-10-20.0-041718					
Laboratory ID:	04-203-03					
Diesel Range Organics	ND	28	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				
Client ID:	FMW-10-28.0-041718					
Laboratory ID:	04-203-05					
Diesel Range Organics	ND	28	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				
Client ID:	FMW-10-40.0-041718					
Laboratory ID:	04-203-07					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				
Client ID:	FMW-10-45.0-041718					
Laboratory ID:	04-203-08					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	94	50-150				
Client ID:	FMW-10-55.0-041718					
Laboratory ID:	04-203-10					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-85.0-041718					
Laboratory ID:	04-203-16					
Diesel Range Organics	ND	30	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	61	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FMW-09-10.0-041718					
Laboratory ID:	04-203-17					
Diesel Range Organics	ND	28	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				
Client ID:	FMW-09-15.0-041718					
Laboratory ID:	04-203-18					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FMW-09-20.0-041718					
Laboratory ID:	04-203-19					
Diesel Range Organics	ND	28	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				
Client ID:	FMW-09-25.0-041718					
Laboratory ID:	04-203-20					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				
Client ID:	FMW-09-30.0-041718					
Laboratory ID:	04-203-21					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-50.0-041718					
Laboratory ID:	04-203-25					
Diesel Range Organics	ND	27	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0419S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-19-18	4-19-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-203-08							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				94	85	50-150		
Laboratory ID:	04-203-16							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				95	74	50-150		



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-10.0-041718					
Laboratory ID:	04-203-01					
Dichlorodifluoromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00093	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0047	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-10.0-041718					
Laboratory ID:	04-203-01					
1,1,2-Trichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>127</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>121</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-20.0-041718					
Laboratory ID:	04-203-03					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0011	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0054	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-20.0-041718					
Laboratory ID:	04-203-03					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>117</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>122</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-28.0-041718					
Laboratory ID:	04-203-05					
Dichlorodifluoromethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00095	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0048	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-28.0-041718					
Laboratory ID:	04-203-05					
1,1,2-Trichloroethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00073	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>117</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>121</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>123</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-40.0-041718					
Laboratory ID:	04-203-07					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00096	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0049	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-40.0-041718					
Laboratory ID:	04-203-07					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>123</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>124</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>123</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-45.0-041718					
Laboratory ID:	04-203-08					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00097	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0049	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-45.0-041718					
Laboratory ID:	04-203-08					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>120</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-55.0-041718					
Laboratory ID:	04-203-10					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0051	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-55.0-041718					
Laboratory ID:	04-203-10					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>117</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>121</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-65.0-041718					
Laboratory ID:	04-203-12					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00097	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0049	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-65.0-041718					
Laboratory ID:	04-203-12					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-75.0-041718					
Laboratory ID:	04-203-14					
Dichlorodifluoromethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0012	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0061	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-75.0-041718					
Laboratory ID:	04-203-14					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-80.0-041718					
Laboratory ID:	04-203-15					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0011	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0058	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-80.0-041718					
Laboratory ID:	04-203-15					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>114</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-85.0-041718					
Laboratory ID:	04-203-16					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0012	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0059	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-10-85.0-041718					
Laboratory ID:	04-203-16					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-10.0-041718					
Laboratory ID:	04-203-17					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0051	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-10.0-041718					
Laboratory ID:	04-203-17					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-15.0-041718					
Laboratory ID:	04-203-18					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00098	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-15.0-041718					
Laboratory ID:	04-203-18					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-20.0-041718					
Laboratory ID:	04-203-19					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0052	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-20.0-041718					
Laboratory ID:	04-203-19					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>116</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-25.0-041718					
Laboratory ID:	04-203-20					
Dichlorodifluoromethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0053	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-25.0-041718					
Laboratory ID:	04-203-20					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-30.0-041718					
Laboratory ID:	04-203-21					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00096	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0049	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-30.0-041718					
Laboratory ID:	04-203-21					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-40.0-041718					
Laboratory ID:	04-203-23					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00097	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0049	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-40.0-041718					
Laboratory ID:	04-203-23					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-50.0-041718					
Laboratory ID:	04-203-25					
Dichlorodifluoromethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	0.0029	0.00072	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00093	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0047	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	0.0097	0.00072	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-50.0-041718					
Laboratory ID:	04-203-25					
1,1,2-Trichloroethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00072	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-60.0-041718					
Laboratory ID:	04-203-27					
Dichlorodifluoromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	0.0052	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00092	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0047	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-60.0-041718					
Laboratory ID:	04-203-27					
1,1,2-Trichloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0014	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00071	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-70.0-041718					
Laboratory ID:	04-203-29					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.00096	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0049	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-70.0-041718					
Laboratory ID:	04-203-29					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0419S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chloromethane	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Bromomethane	ND	0.0013	EPA 8260C	4-19-18	4-19-18	
Chloroethane	ND	0.0066	EPA 8260C	4-19-18	4-19-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Iodomethane	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chloroform	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Benzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Toluene	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0419S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-19-18	4-19-18	
o-Xylene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Bromoform	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-19-18	4-19-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>78-130</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0419S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0386	0.0404	0.0500	0.0500	77	81	58-126	5	20	
Benzene	0.0470	0.0485	0.0500	0.0500	94	97	72-122	3	19	
Trichloroethene	0.0477	0.0491	0.0500	0.0500	95	98	75-120	3	20	
Toluene	0.0467	0.0487	0.0500	0.0500	93	97	78-123	4	19	
Chlorobenzene	0.0446	0.0461	0.0500	0.0500	89	92	75-120	3	18	
<i>Surrogate:</i>										
Dibromofluoromethane					107	99	75-131			
Toluene-d8					109	100	83-130			
4-Bromofluorobenzene					114	102	78-130			



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date	Date	Flags
				Prepared	Analyzed	
Lab ID:	04-203-01					
Client ID:	FMW-10-10.0-041718					
Arsenic	ND	11	6010D	4-19-18	4-19-18	
Barium	42	2.9	6010D	4-19-18	4-19-18	
Cadmium	ND	0.57	6010D	4-19-18	4-19-18	
Chromium	32	0.57	6010D	4-19-18	4-19-18	
Lead	ND	5.7	6010D	4-19-18	4-19-18	
Mercury	ND	0.29	7471B	4-19-18	4-19-18	
Selenium	ND	11	6010D	4-19-18	4-19-18	
Silver	ND	1.1	6010D	4-19-18	4-19-18	

Lab ID:	04-203-17					
Client ID:	FMW-09-10.0-041718					
Arsenic	ND	11	6010D	4-19-18	4-19-18	
Barium	59	2.8	6010D	4-19-18	4-19-18	
Cadmium	ND	0.56	6010D	4-19-18	4-19-18	
Chromium	43	0.56	6010D	4-19-18	4-19-18	
Lead	ND	5.6	6010D	4-19-18	4-19-18	
Mercury	ND	0.28	7471B	4-19-18	4-19-18	
Selenium	ND	11	6010D	4-19-18	4-19-18	
Silver	ND	1.1	6010D	4-19-18	4-19-18	



Date of Report: April 23, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-203
Project: 1065-010

**TOTAL METALS
EPA 6010D
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-19-18
Date Analyzed: 4-19-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0419SM1

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



Date of Report: April 23, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-203
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
METHOD BLANK QUALITY CONTROL**

Date Extracted: 4-19-18
Date Analyzed: 4-19-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0419S1

Analyte	Method	Result	PQL
Mercury	7471B	ND	0.25



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

**TOTAL METALS
 EPA 6010D
 DUPLICATE QUALITY CONTROL**

Date Extracted: 4-19-18
 Date Analyzed: 4-19-18

 Matrix: Soil
 Units: mg/kg (ppm)

 Lab ID: 04-173-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	58.4	63.0	8	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	28.3	30.4	7	0.50	
Lead	ND	ND	NA	5.0	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 23, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-203
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
DUPLICATE QUALITY CONTROL**

Date Extracted: 4-19-18

Date Analyzed: 4-19-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-176-02

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Mercury	ND	ND	NA	0.25	



Date of Report: April 23, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-203
 Project: 1065-010

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

Date Extracted: 4-19-18

Date Analyzed: 4-19-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-173-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	103	103	96.2	96	6	
Barium	100	158	100	172	113	8	
Cadmium	50.0	51.8	104	52.2	104	1	
Chromium	100	124	96	133	105	7	
Lead	250	262	105	261	105	0	
Selenium	100	103	103	101	101	3	
Silver	25.0	23.2	93	22.1	88	5	



Date of Report: April 23, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-203
Project: 1065-010

**TOTAL MERCURY
EPA 7471B
MS/MSD QUALITY CONTROL**

Date Extracted: 4-19-18

Date Analyzed: 4-19-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-176-02

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Mercury	0.500	0.517	103	0.516	103	0	



Date of Report: April 23, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-203
Project: 1065-010

% MOISTURE

Date Analyzed: 4-19-18

Client ID	Lab ID	% Moisture
FMW-10-10.0-041718	04-203-01	12
FMW-10-20.0-041718	04-203-03	10
FMW-10-28.0-041718	04-203-05	9
FMW-10-40.0-041718	04-203-07	7
FMW-10-45.0-041718	04-203-08	9
FMW-10-55.0-041718	04-203-10	6
FMW-10-65.0-041718	04-203-12	6
FMW-10-75.0-041718	04-203-14	19
FMW-10-80.0-041718	04-203-15	19
FMW-10-85.0-041718	04-203-16	18
FMW-09-10.0-041718	04-203-17	11
FMW-09-15.0-041718	04-203-18	9
FMW-09-20.0-041718	04-203-19	12
FMW-09-25.0-041718	04-203-20	9
FMW-09-30.0-041718	04-203-21	7
FMW-09-40.0-041718	04-203-23	10
FMW-09-50.0-041718	04-203-25	8
FMW-09-60.0-041718	04-203-27	8
FMW-09-70.0-041718	04-203-29	8





Data Qualifiers and Abbreviations

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



Chain of Custody

Laboratory Number: **04-203**

Company: Farallon Consulting
 Project Number: Project name
10GSO NE 8th St (asatch)
 Project Name: Project number
10GSO10
 Project Manager:
Eric Buer / Riley Conkin
 Sampled by:
Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	Fmw-10-60.0-041718	4-17-18	1040	Soil	6
12	Fmw-10-65.0-041718		1050		
13	Fmw-10-70.0-041718		1100		
14	Fmw-10-75.0-041718		1200		
15	Fmw-10-80.0-041718		1210		
16	Fmw-10-85.0-041718		1220		
17	Fmw- 08 ⁰⁹ -10.0-041718		1445		
18	Fmw-09-15.0-041718		1455		
19	Fmw-09-20.0-041718		1505		
20	Fmw-09-25.0-041718		1525		

NWTPH-HCID	NWTPH-Gw/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8062A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
					X												X
					X												X
					X												X
		X	X		X												X
		X	X		X							X					X
		X	X		X												X
		X	X		X												X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<u>[Signature]</u>	Farallon	4-18-17	0700	• See Page one
Received	<u>Walter Lisner</u>	OSE	4/16/18	1140	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

Chain of Custody

Company: Farallon Consulting
 Project Number: LOGS-010
 Project Name: 10650 NE 8th St (Wasatch)
 Project Manager: Eric Buer / Riley Contino
 Sampled by: Daniel Aguilera

Turnaround Request (In working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-203**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total FCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
						21	Fmw-09-30.0-041718	4-17-18	1530	Soil	5		X	X			X							
22	Fmw-09-35.0-041718		1540																					
23	Fmw-09-40.0-041718		1545								X													X
24	Fmw-09-45.0-041718		1600																					
25	Fmw-09-50.0-041718		1605				X	X			X													X
26	Fmw-09-55.0-041718		1710																					
27	Fmw-09-60.0-041718		1720								X													X
28	Fmw-09-65.0-041718		1820																					
29	Fmw-09-70.0-041718		1830								X													X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<u>[Signature]</u>	<u>Farallon</u>	<u>4-17-18</u>	<u>0700</u>	<u>See page one</u>
Received	<u>[Signature]</u>	<u>OSE</u>	<u>4/18/18</u>	<u>1140</u>	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
					Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

April 23, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-217

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 19, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 23, 2018
Samples Submitted: April 19, 2018
Laboratory Reference: 1804-217
Project: 1065-010

Case Narrative

Samples were collected on April 18, 2018 and received by the laboratory on April 19, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-05-041818					
Laboratory ID:	04-217-01					
Gasoline	1400	100	NWTPH-Gx	4-19-18	4-19-18	O
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-114				
Client ID:	MW-06-041818					
Laboratory ID:	04-217-02					
Gasoline	ND	100	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-114				
Client ID:	MW-08-041818					
Laboratory ID:	04-217-03					
Gasoline	ND	100	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	66-114				
Client ID:	MW-12-041818					
Laboratory ID:	04-217-04					
Gasoline	ND	100	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-114				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0419W1					
Gasoline	ND	100	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-114				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-212-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				95	89	66-114		



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-05-041818					
Laboratory ID:	04-217-01					
Diesel Range Organics	4.4	0.26	NWTPH-Dx	4-20-18	4-20-18	M
Lube Oil Range Organics	ND	0.66	NWTPH-Dx	4-20-18	4-20-18	U1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	MW-06-041818					
Laboratory ID:	04-217-02					
Diesel Range Organics	ND	0.26	NWTPH-Dx	4-20-18	4-20-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	94	50-150				
Client ID:	MW-08-041818					
Laboratory ID:	04-217-03					
Diesel Range Organics	ND	0.26	NWTPH-Dx	4-20-18	4-20-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	MW-12-041818					
Laboratory ID:	04-217-04					
Diesel Range Organics	ND	0.26	NWTPH-Dx	4-20-18	4-20-18	
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	94	50-150				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0420W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	4-20-18	4-20-18	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-217-01							
	ORIG	DUP						
Diesel Range Organics	4.41	4.35	NA	NA	NA	NA	1	NA M
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA U1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				97	94	50-150		



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-05-041818					
Laboratory ID:	04-217-01					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	1.6	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	20	0.20	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.40	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	2.3	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	1.7	0.20	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chloroform	0.74	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-05-041818					
Laboratory ID:	04-217-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	75-127				
<i>Toluene-d8</i>	95	80-127				
<i>4-Bromofluorobenzene</i>	92	78-125				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-06-041818					
Laboratory ID:	04-217-02					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	1.6	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	0.22	0.20	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.40	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	2.3	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	0.94	0.20	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	0.62	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-06-041818					
Laboratory ID:	04-217-02					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	0.33	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	96	75-127				
<i>Toluene-d8</i>	96	80-127				
<i>4-Bromofluorobenzene</i>	95	78-125				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-08-041818					
Laboratory ID:	04-217-03					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	1.6	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.40	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	2.3	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-08-041818					
Laboratory ID:	04-217-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	96	75-127				
<i>Toluene-d8</i>	97	80-127				
<i>4-Bromofluorobenzene</i>	96	78-125				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-12-041818					
Laboratory ID:	04-217-04					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	1.6	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.40	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	2.3	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chloroform	0.52	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	MW-12-041818					
Laboratory ID:	04-217-04					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	96	75-127				
<i>Toluene-d8</i>	97	80-127				
<i>4-Bromofluorobenzene</i>	96	78-125				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0420W1					
Dichlorodifluoromethane	ND	0.29	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	1.6	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.40	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	2.3	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0420W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	1.0	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



Date of Report: April 23, 2018
 Samples Submitted: April 19, 2018
 Laboratory Reference: 1804-217
 Project: 1065-010

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0420W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	8.40	8.23	10.0	10.0	84	82	63-126	2	21	
Benzene	9.36	9.01	10.0	10.0	94	90	78-122	4	19	
Trichloroethene	9.07	8.75	10.0	10.0	91	88	63-120	4	20	
Toluene	9.63	9.22	10.0	10.0	96	92	79-124	4	19	
Chlorobenzene	8.93	8.60	10.0	10.0	89	86	78-120	4	19	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					99	99	75-127			
<i>Toluene-d8</i>					98	98	80-127			
<i>4-Bromofluorobenzene</i>					98	100	78-125			





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: FARALLON

Project Number: 1065-010

Project Name: NE 8th St

Project Manager: Eric Swan

Sampled by: Greg Peters

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

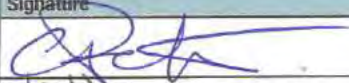
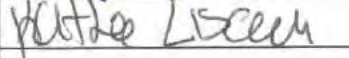
2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: 04-217

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
						1	MW-05-041818	04/18/18	1055	Water	7			X	X		X							
2	MW-06-041818	04/18/18	1225	Water	7			X	X		X													
3	MW-08-041818	04/18/18	1450	Water	7			X	X		X													
4	MW-12-041818	04/18/18	1545	Water	7			X	X		X													

Signature	Company	Date	Time	Comments/Special Instructions
	FARALLON			* Please contact Project Manager to confirm analyses and sample turn around time.
	OSE	4/19/18	1140	
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date	Reviewed/Date	Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>		
		Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>		



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

April 24, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-219

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 18, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 24, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-219
Project: 1065-010

Case Narrative

Samples were collected on April 18, 2018 and received by the laboratory on April 18, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-75.0-041818					
Laboratory ID:	04-219-01					
Gasoline	ND	4.9	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	66-130				
Client ID:	FMW-09-80.0-041818					
Laboratory ID:	04-219-02					
Gasoline	ND	5.0	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-130				
Client ID:	FMW-09-85.0-041818					
Laboratory ID:	04-219-03					
Gasoline	ND	5.7	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	101	66-130				
Client ID:	FMW-11-15.0-041818					
Laboratory ID:	04-219-07					
Gasoline	ND	4.2	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				
Client ID:	FMW-11-25.0-041818					
Laboratory ID:	04-219-09					
Gasoline	ND	4.2	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	66-130				
Client ID:	FMW-11-30.0-041818					
Laboratory ID:	04-219-10					
Gasoline	ND	4.1	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-35.0-041818					
Laboratory ID:	04-219-11					
Gasoline	ND	5.0	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-130				
Client ID:	FMW-11-45.0-041818					
Laboratory ID:	04-219-13					
Gasoline	ND	4.0	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	66-130				
Client ID:	FMW-11-55.0-041818					
Laboratory ID:	04-219-15					
Gasoline	ND	4.1	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	66-130				
Client ID:	FMW-11-60.0-041818					
Laboratory ID:	04-219-16					
Gasoline	ND	4.2	NWTPH-Gx	4-19-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	66-130				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0419S4					
Gasoline	ND	5.0	NWTPH-Gx	4-19-18	4-19-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-182-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				93	91	66-130		



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-75.0-041818					
Laboratory ID:	04-219-01					
Diesel Range Organics	ND	29	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	58	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				
Client ID:	FMW-09-80.0-041818					
Laboratory ID:	04-219-02					
Diesel Range Organics	ND	30	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	60	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				
Client ID:	FMW-09-85.0-041818					
Laboratory ID:	04-219-03					
Diesel Range Organics	ND	31	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	62	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				
Client ID:	FMW-11-15.0-041818					
Laboratory ID:	04-219-07					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	75	50-150				
Client ID:	FMW-11-25.0-041818					
Laboratory ID:	04-219-09					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				
Client ID:	FMW-11-30.0-041818					
Laboratory ID:	04-219-10					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-35.0-041818					
Laboratory ID:	04-219-11					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FMW-11-45.0-041818					
Laboratory ID:	04-219-13					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FMW-11-55.0-041818					
Laboratory ID:	04-219-15					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FMW-11-60.0-041818					
Laboratory ID:	04-219-16					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0423S1					
Diesel Range Organics	ND	25	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-219-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				76	78	50-150		



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-75.0-041818					
Laboratory ID:	04-219-01					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0011	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0057	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-75.0-041818					
Laboratory ID:	04-219-01					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>123</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>123</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>124</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-80.0-041818					
Laboratory ID:	04-219-02					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0012	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0062	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-80.0-041818					
Laboratory ID:	04-219-02					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>115</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-85.0-041818					
Laboratory ID:	04-219-03					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0013	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0068	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-85.0-041818					
Laboratory ID:	04-219-03					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>112</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-95.0-041818					
Laboratory ID:	04-219-05					
Dichlorodifluoromethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0015	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0075	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-95.0-041818					
Laboratory ID:	04-219-05					
1,1,2-Trichloroethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0019	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00097	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-15.0-041818					
Laboratory ID:	04-219-07					
Dichlorodifluoromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0011	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0057	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-15.0-041818					
Laboratory ID:	04-219-07					
1,1,2-Trichloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00074	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-25.0-041818					
Laboratory ID:	04-219-09					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0012	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0063	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	0.016	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-25.0-041818					
Laboratory ID:	04-219-09					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>117</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>114</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-30.0-041818					
Laboratory ID:	04-219-10					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0012	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0059	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-30.0-041818					
Laboratory ID:	04-219-10					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-35.0-041818					
Laboratory ID:	04-219-11					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0013	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0067	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-35.0-041818					
Laboratory ID:	04-219-11					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-45.0-041818					
Laboratory ID:	04-219-13					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0016	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0080	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-45.0-041818					
Laboratory ID:	04-219-13					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0021	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0052	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-55.0-041818					
Laboratory ID:	04-219-15					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0012	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0063	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-55.0-041818					
Laboratory ID:	04-219-15					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-60.0-041818					
Laboratory ID:	04-219-16					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0012	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0064	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-60.0-041818					
Laboratory ID:	04-219-16					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0420S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Chloromethane	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromomethane	ND	0.0015	EPA 8260C	4-20-18	4-20-18	
Chloroethane	ND	0.0077	EPA 8260C	4-20-18	4-20-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Iodomethane	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Chloroform	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Benzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Toluene	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0420S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-20-18	4-20-18	
o-Xylene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Bromoform	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-20-18	4-20-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-20-18	4-20-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>96</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>94</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-130</i>				



Date of Report: April 24, 2018
 Samples Submitted: April 18, 2018
 Laboratory Reference: 1804-219
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0420S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0372	0.0381	0.0500	0.0500	74	76	58-126	2	20	
Benzene	0.0450	0.0460	0.0500	0.0500	90	92	72-122	2	19	
Trichloroethene	0.0458	0.0463	0.0500	0.0500	92	93	75-120	1	20	
Toluene	0.0456	0.0461	0.0500	0.0500	91	92	78-123	1	19	
Chlorobenzene	0.0434	0.0444	0.0500	0.0500	87	89	75-120	2	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					96	93	75-131			
<i>Toluene-d8</i>					97	93	83-130			
<i>4-Bromofluorobenzene</i>					101	98	78-130			



Date of Report: April 24, 2018
Samples Submitted: April 18, 2018
Laboratory Reference: 1804-219
Project: 1065-010

% MOISTURE

Date Analyzed: 4-20-18

Client ID	Lab ID	% Moisture
FMW-09-75.0-041818	04-219-01	13
FMW-09-80.0-041818	04-219-02	16
FMW-09-85.0-041818	04-219-03	19
FMW-09-95.0-041818	04-219-05	22
FMW-11-15.0-041818	04-219-07	9
FMW-11-25.0-041818	04-219-09	8
FMW-11-30.0-041818	04-219-10	10
FMW-11-35.0-041818	04-219-11	10
FMW-11-45.0-041818	04-219-13	7
FMW-11-55.0-041818	04-219-15	6
FMW-11-60.0-041818	04-219-16	6





Data Qualifiers and Abbreviations

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





MVA Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 893-3881 • www.onsite-env.com

Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **04-219**

Company: Farallon Consulting
 Project Number: 10650-010
 Project Name: 10650 NE 8th St. (Washdy)
 Project Manager: Eric Buer / Riley Cortin
 Sampled by: Daniel Aguilar

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FMW-09-75.0-041818	4-18-18	945	Soil	5
2	FMW-09-80.0-041818		955		
3	FMW-09-85.0-041818		1045		
4	FMW-09-90.0-041818		1100		
5	FMW-09-95.0-041818		1100		
6	FMW-11-10.0-041818		1450		
7	FMW-11-15.0-041818		1505		
8	FMW-11-20.0-041818		1515		
9	FMW-11-25.0-041818		1530		
10	FMW-11-30.0-041818		1535		

Date	Time	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 6270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
4-18-18	0700	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4-18-18	1140	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	Farallon	4-18-18	0700	a PM will contact onsite with analysis X Added 4-19-18 KL
<u>[Signature]</u>	OSE	4-18-18	1140	

Relinquished
Received
Relinquished
Received
Relinquished
Received
Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



OnSite Environmental Inc.

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

Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Company: Farellon Consulting
 Project Number: 1065-010
 Project Name: 10650 NE 8th St (Washch)
 Project Manager: Eric Buer/Riley Corbin
 Sampled by: Daniel Aguilar

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
11	FMW-11-35.0-041818	4-18-18	1545	Soil
12	FMW-11-40.0-041818		1555	
13	FMW-11-45.0-041818		1620	
14	FMW-11-50.0-041818		1630	
15	FMW-11-55.0-041818		1646	
16	FMW-11-60.0-041818		1655	

Number of Containers

Parameter	11	12	13	14	15	16
NWTPH-HCID						
NWTPH-Gx/BTEX						
NWTPH-Gx	X	X	X	X	X	X
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)						
Volatiles 8260C						
Halogenated Volatiles 8260C	X		X		X	
EDB EPA 8011 (Waters Only)						
Semivolatiles 8270D/SIM (with low-level PAHs)						
PAHs 8270D/SIM (low-level)						
PCBs 8082A						
Organochlorine Pesticides 8081B						
Organophosphorus Pesticides 8270D/SIM						
Chlorinated Acid Herbicides 8151A						
Total RCRA Metals						
Total MTCA Metals						
TCLP Metals						
HEM (oil and grease) 1664A						
% Moisture	X		X		X	

Laboratory Number:

04-219

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>Farellon</u>	<u>4-18-18</u>	<u>0700</u>	<u>• See page one</u> <u>X Added 4-19-18 KL</u>
<u>[Signature]</u>	<u>OSE</u>	<u>4/18/18</u>	<u>1140</u>	
Received				
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Reviewed/Date				

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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

April 25, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-239

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 20, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 25, 2018
Samples Submitted: April 20, 2018
Laboratory Reference: 1804-239
Project: 1065-010

Case Narrative

Samples were collected on April 19, 2018 and received by the laboratory on April 20, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

Total Metals EPA 6010D/7471B Analysis

The duplicate RPD for Chromium is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

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



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-80.0					
Laboratory ID:	04-239-04					
Gasoline	ND	5.1	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-130				
Client ID:	FMW-11-95.0					
Laboratory ID:	04-239-07					
Gasoline	ND	5.2	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	108	66-130				
Client ID:	FMW-13-10.0					
Laboratory ID:	04-239-09					
Gasoline	ND	4.0	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	98	66-130				
Client ID:	FMW-13-20.0					
Laboratory ID:	04-239-11					
Gasoline	ND	4.6	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	66-130				
Client ID:	FMW-13-30.0					
Laboratory ID:	04-239-13					
Gasoline	ND	4.9	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	66-130				
Client ID:	FMW-13-40.0					
Laboratory ID:	04-239-15					
Gasoline	ND	4.8	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	66-130				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0423S1					
Gasoline	ND	5.0	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	96	66-130				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-240-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				94	98	66-130		



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-80.0					
Laboratory ID:	04-239-04					
Diesel Range Organics	ND	26	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	51	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	FMW-11-95.0					
Laboratory ID:	04-239-07					
Diesel Range Organics	ND	31	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	62	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				
Client ID:	FMW-13-10.0					
Laboratory ID:	04-239-09					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				
Client ID:	FMW-13-20.0					
Laboratory ID:	04-239-11					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				
Client ID:	FMW-13-30.0					
Laboratory ID:	04-239-13					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FMW-13-40.0					
Laboratory ID:	04-239-15					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0423S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-239-04							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				92	105	50-150		



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-70.0					
Laboratory ID:	04-239-02					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0012	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0063	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-70.0					
Laboratory ID:	04-239-02					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>116</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-80.0					
Laboratory ID:	04-239-04					
Dichlorodifluoromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0068	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-80.0					
Laboratory ID:	04-239-04					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>117</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>121</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-90.0					
Laboratory ID:	04-239-06					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0066	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-90.0					
Laboratory ID:	04-239-06					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-95.0					
Laboratory ID:	04-239-07					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0067	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-95.0					
Laboratory ID:	04-239-07					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
1,1,1,2-Tetrachloroethane	ND	0.056	EPA 8260C	4-24-18	4-24-18	
1,2,3-Trichloropropane	ND	0.056	EPA 8260C	4-24-18	4-24-18	
2-Chlorotoluene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
4-Chlorotoluene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
1,3-Dichlorobenzene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
1,4-Dichlorobenzene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
1,2-Dichlorobenzene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
1,2-Dibromo-3-chloropropane	ND	0.28	EPA 8260C	4-24-18	4-24-18	
1,2,4-Trichlorobenzene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
Hexachlorobutadiene	ND	0.28	EPA 8260C	4-24-18	4-24-18	
1,2,3-Trichlorobenzene	ND	0.056	EPA 8260C	4-24-18	4-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>128</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>127</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-100.0					
Laboratory ID:	04-239-08					
Dichlorodifluoromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0068	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-100.0					
Laboratory ID:	04-239-08					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-10.0					
Laboratory ID:	04-239-09					
Dichlorodifluoromethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0011	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0056	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.00095	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-10.0					
Laboratory ID:	04-239-09					
1,1,2-Trichloroethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0015	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00073	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-20.0					
Laboratory ID:	04-239-11					
Dichlorodifluoromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0069	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-20.0					
Laboratory ID:	04-239-11					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>113</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>117</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-30.0					
Laboratory ID:	04-239-13					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0067	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-30.0					
Laboratory ID:	04-239-13					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>111</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>106</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-40.0					
Laboratory ID:	04-239-15					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0067	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-40.0					
Laboratory ID:	04-239-15					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0017	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-50.0					
Laboratory ID:	04-239-17					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0012	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0061	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-50.0					
Laboratory ID:	04-239-17					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-60.0					
Laboratory ID:	04-239-19					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0012	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0060	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-60.0					
Laboratory ID:	04-239-19					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0423S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.0015	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	0.0077	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Benzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Toluene	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0423S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-23-18	4-23-18	
o-Xylene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>115</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0424S3					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Chloromethane	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Bromomethane	ND	0.0016	EPA 8260C	4-24-18	4-24-18	
Chloroethane	ND	0.0076	EPA 8260C	4-24-18	4-24-18	
Trichlorofluoromethane	ND	0.0013	EPA 8260C	4-24-18	4-24-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Iodomethane	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Chloroform	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Benzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Toluene	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0424S3					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
m,p-Xylene	ND	0.0020	EPA 8260C	4-24-18	4-24-18	
o-Xylene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Bromoform	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-24-18	4-24-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-24-18	4-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>90</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-130</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0423S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0365	0.0355	0.0500	0.0500	73	71	58-126	3	20	
Benzene	0.0480	0.0447	0.0500	0.0500	96	89	72-122	7	19	
Trichloroethene	0.0488	0.0464	0.0500	0.0500	98	93	75-120	5	20	
Toluene	0.0480	0.0452	0.0500	0.0500	96	90	78-123	6	19	
Chlorobenzene	0.0450	0.0420	0.0500	0.0500	90	84	75-120	7	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					109	93	75-131			
<i>Toluene-d8</i>					112	93	83-130			
<i>4-Bromofluorobenzene</i>					115	97	78-130			



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0424S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0337	0.0331	0.0500	0.0500	67	66	58-126	2	20	
Benzene	0.0452	0.0448	0.0500	0.0500	90	90	72-122	1	19	
Trichloroethene	0.0463	0.0464	0.0500	0.0500	93	93	75-120	0	20	
Toluene	0.0444	0.0445	0.0500	0.0500	89	89	78-123	0	19	
Chlorobenzene	0.0420	0.0428	0.0500	0.0500	84	86	75-120	2	18	
<i>Surrogate:</i>										
Dibromofluoromethane					97	93	75-131			
Toluene-d8					98	94	83-130			
4-Bromofluorobenzene					102	97	78-130			



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	EPA Method	Date Prepared	Date Analyzed	Flags
Lab ID:	04-239-09					
Client ID:	FMW-13-10.0					
Arsenic	ND	11	6010D	4-23-18	4-23-18	
Barium	56	2.7	6010D	4-23-18	4-23-18	
Cadmium	ND	0.54	6010D	4-23-18	4-23-18	
Chromium	45	0.54	6010D	4-23-18	4-23-18	
Lead	ND	5.4	6010D	4-23-18	4-23-18	
Mercury	ND	0.27	7471B	4-23-18	4-23-18	
Selenium	ND	11	6010D	4-23-18	4-23-18	
Silver	ND	1.1	6010D	4-23-18	4-23-18	



Date of Report: April 25, 2018
Samples Submitted: April 20, 2018
Laboratory Reference: 1804-239
Project: 1065-010

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

Date Extracted: 4-23-18
Date Analyzed: 4-23-18

Matrix: Soil
Units: mg/kg (ppm)

Lab ID: MB0423SM1&MB0423S1

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



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

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

Date Extracted: 4-23-18

Date Analyzed: 4-23-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-240-01

Analyte	Sample Result	Duplicate Result	RPD	PQL	Flags
Arsenic	ND	ND	NA	10	
Barium	60.6	62.9	4	2.5	
Cadmium	ND	ND	NA	0.50	
Chromium	32.3	42.3	27	0.50	K
Lead	ND	ND	NA	5.0	
Mercury	ND	ND	NA	0.25	
Selenium	ND	ND	NA	10	
Silver	ND	ND	NA	1.0	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-239
 Project: 1065-010

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

Date Extracted: 4-23-18

Date Analyzed: 4-23-18

Matrix: Soil

Units: mg/kg (ppm)

Lab ID: 04-240-01

Analyte	Spike Level	MS	Percent Recovery	MSD	Percent Recovery	RPD	Flags
Arsenic	100	98.8	99	101	101	3	
Barium	100	180	119	164	104	9	
Cadmium	50.0	50.7	101	52.2	104	3	
Chromium	100	131	99	131	99	0	
Lead	250	241	96	248	99	3	
Mercury	0.500	0.530	106	0.518	104	2	
Selenium	100	94.3	94	99.5	100	5	
Silver	25.0	22.0	88	22.7	91	3	



Date of Report: April 25, 2018
Samples Submitted: April 20, 2018
Laboratory Reference: 1804-239
Project: 1065-010

% MOISTURE

Date Analyzed: 4-23-18

Client ID	Lab ID	% Moisture
FMW-11-70.0	04-239-02	4
FMW-11-80.0	04-239-04	2
FMW-11-90.0	04-239-06	18
FMW-11-95.0	04-239-07	19
FMW-11-100.0	04-239-08	22
FMW-13-10.0	04-239-09	8
FMW-13-20.0	04-239-11	6
FMW-13-30.0	04-239-13	11
FMW-13-40.0	04-239-15	9
FMW-13-50.0	04-239-17	5
FMW-13-60.0	04-239-19	5





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon
 Project Number: 106S-010
 Project Name: 106SO NE 8th St (wasatch)
 Project Manager: Eric Buer / Riley Conkin
 Sampled by: Daniel Aguilar

Turnaround Request
(In working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **04-239**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
1	FMW-11-65.0-	4-19-18	840	Soil
2	FMW-11-70.0-	4-19-18	850	↓
3	FMW-11-75.0-		920	
4	FMW-11-80.0-		930	
5	FMW-11-85.0-		1025	
6	FMW-11-90.0-		1125	
7	FMW-11-95.0-		1140	
8	FMW-11-100.0-		1150	
9	FMW-13-10.0-		1435	
10	FMW-13-15.0-		1445	

Number of Containers	Laboratory Number: 04-239																		
	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C <u>+ BTEX</u>	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
5																			
						X													X
						X													X
						X													X
						X													X
						X													X
						X													X
						X							X						X

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	Farallon	4-19-18	1905	• PM will contact OnSite for analyses
<i>[Signature]</i>	OSE	4/20/18	1400	
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Received				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Reviewed/Date	Reviewed/Date	Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>		

Chain of Custody

Company: Farallon Consulting

Project Number: 10GS-010

Project Name: 10650 NE 8th St (Wasatch)

Project Manager: Eric Buer / Riley Conkin

Sampled by: Daniel Aguilar

Turnaround Request (In working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **04-239**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytes																				
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C <u>+BTEX</u>	EDB EPA 8011 (Waters Only)	SemiVolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture			
11	FMw-13-20.0 -	<u>4-19-18</u>	<u>1455</u>	<u>Soil</u>	<u>5</u>			X	X	X																X
12	FMw-13-25.0 -		<u>1505</u>																							
13	FMw-13-30.0 -		<u>1515</u>					X	X	X																X
14	FMw-13-35.0 -		<u>1525</u>																							
15	FMw-13-40.0		<u>1530</u>					X	X	X																X
16	FMw-13-45.0		<u>1600</u>																							
17	FMw-13-50.0		<u>1610</u>								X															X
18	FMw-13-55.0		<u>1630</u>																							
19	FMw-13-60.0		<u>1640</u>								X															X

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>Farallon</u>	<u>4-19-18</u>	<u>1905</u>	<u>See page one</u>
<u>[Signature]</u>	<u>OSE</u>	<u>4/20/18</u>	<u>1400</u>	

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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

April 25, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-242

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 20, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 25, 2018
Samples Submitted: April 20, 2018
Laboratory Reference: 1804-242
Project: 1065-010

Case Narrative

Samples were collected on April 20, 2018 and received by the laboratory on April 20, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-042018					
Laboratory ID:	04-242-07					
Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Toluene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Ethyl Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
m,p-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
o-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Gasoline	ND	100	NWTPH-Gx	4-23-18	4-23-18	

Surrogate: Percent Recovery Control Limits
 Fluorobenzene 95 66-114

Client ID:	FMW-13-042018					
Laboratory ID:	04-242-08					
Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Toluene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Ethyl Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
m,p-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
o-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Gasoline	ND	100	NWTPH-Gx	4-23-18	4-23-18	

Surrogate: Percent Recovery Control Limits
 Fluorobenzene 95 66-114

Client ID:	FMW-09-042018					
Laboratory ID:	04-242-09					
Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Toluene	1.5	1.0	EPA 8021B	4-23-18	4-23-18	
Ethyl Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
m,p-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
o-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Gasoline	ND	100	NWTPH-Gx	4-23-18	4-23-18	

Surrogate: Percent Recovery Control Limits
 Fluorobenzene 92 66-114



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

NWTPH-Gx/BTEX

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-042018					
Laboratory ID:	04-242-10					
Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Toluene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Ethyl Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
m,p-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
o-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Gasoline	ND	100	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-114				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

**NWTPH-Gx/BTEX
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0423W1					
Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Toluene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Ethyl Benzene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
m,p-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
o-Xylene	ND	1.0	EPA 8021B	4-23-18	4-23-18	
Gasoline	ND	100	NWTPH-Gx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	66-114				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-242-08							
	ORIG	DUP						
Benzene	ND	ND	NA	NA	NA	NA	NA	30
Toluene	ND	ND	NA	NA	NA	NA	NA	30
Ethyl Benzene	ND	ND	NA	NA	NA	NA	NA	30
m,p-Xylene	ND	ND	NA	NA	NA	NA	NA	30
o-Xylene	ND	ND	NA	NA	NA	NA	NA	30
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				95	95	66-114		

MATRIX SPIKES

Laboratory ID:	04-242-08									
	MS	MSD	MS	MSD	MS	MSD				
Benzene	48.5	48.5	50.0	50.0	ND	97	97	80-120	0	13
Toluene	49.2	49.1	50.0	50.0	ND	98	98	81-117	0	14
Ethyl Benzene	49.6	49.6	50.0	50.0	ND	99	99	81-120	0	12
m,p-Xylene	47.7	47.8	50.0	50.0	ND	95	96	79-122	0	13
o-Xylene	47.4	47.8	50.0	50.0	ND	95	96	81-120	1	11
<i>Surrogate:</i>										
<i>Fluorobenzene</i>						96	94	66-114		



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-042018					
Laboratory ID:	04-242-07					
Diesel Range Organics	ND	0.24	NWTPH-Dx	4-23-18	4-24-18	
Lube Oil Range Organics	ND	0.39	NWTPH-Dx	4-23-18	4-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				
Client ID:	FMW-13-042018					
Laboratory ID:	04-242-08					
Diesel Range Organics	ND	0.27	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	0.44	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	FMW-09-042018					
Laboratory ID:	04-242-09					
Diesel Range Organics	0.70	0.29	NWTPH-Dx	4-23-18	4-23-18	M
Lube Oil Range Organics	ND	0.46	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	FMW-11-042018					
Laboratory ID:	04-242-10					
Diesel Range Organics	ND	0.26	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0423W2					
Diesel Range Organics	ND	0.25	NWTPH-Dx	4-23-18	4-23-18	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-253-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				114	114	50-150		



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-042018					
Laboratory ID:	04-242-07					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	1.5	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.38	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	2.1	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	0.74	0.20	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chloroform	0.33	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-07-042018					
Laboratory ID:	04-242-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>78-125</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-042018					
Laboratory ID:	04-242-08					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	1.5	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.38	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	2.1	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-042018					
Laboratory ID:	04-242-08					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>78-125</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-042018					
Laboratory ID:	04-242-09					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	1.5	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.38	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	2.1	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	0.57	0.20	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-09-042018					
Laboratory ID:	04-242-09					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-042018					
Laboratory ID:	04-242-10					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	1.5	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.38	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	2.1	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chloroform	0.82	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-11-042018					
Laboratory ID:	04-242-10					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0423W1					
Dichlorodifluoromethane	ND	0.30	EPA 8260C	4-23-18	4-23-18	
Chloromethane	ND	1.5	EPA 8260C	4-23-18	4-23-18	
Vinyl Chloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromomethane	ND	0.38	EPA 8260C	4-23-18	4-23-18	
Chloroethane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Iodomethane	ND	2.1	EPA 8260C	4-23-18	4-23-18	
Methylene Chloride	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chloroform	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Trichloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromomethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromodichloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-23-18	4-23-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-23-18	4-23-18	



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0423W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Tetrachloroethene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Dibromochloromethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Chlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Bromoform	ND	1.0	EPA 8260C	4-23-18	4-23-18	
Bromobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-23-18	4-23-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-23-18	4-23-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	4-23-18	4-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	92	75-127				
<i>Toluene-d8</i>	95	80-127				
<i>4-Bromofluorobenzene</i>	95	78-125				



Date of Report: April 25, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242
 Project: 1065-010

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0423W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	7.79	8.23	10.0	10.0	78	82	63-126	5	21	
Benzene	8.59	9.15	10.0	10.0	86	92	78-122	6	19	
Trichloroethene	8.74	8.99	10.0	10.0	87	90	63-120	3	20	
Toluene	9.28	9.53	10.0	10.0	93	95	79-124	3	19	
Chlorobenzene	8.62	8.86	10.0	10.0	86	89	78-120	3	19	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					94	93	75-127			
<i>Toluene-d8</i>					99	96	80-127			
<i>4-Bromofluorobenzene</i>					97	96	78-125			





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon Consulting
 Project Number: 1065-010
 Project Name: 10650 NE 8th St. (Wasatch)
 Project Manager: Eric Buer / Riley Conkin
 Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **04-242**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-GXBTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
1	FMW-13-65.0-042018	4-20-18	850	Soil	5																		
2	FMW-13-70.0-042018		1040																				
3	FMW-13-75.0-042018		1050																				
4	FMW-13-80.0-042018		1100																				
5	FMW-13-85.0-042018		1110																				
6	FMW-13-90.0-042018		1120																				
7	FMW-07-042018		1545	Water	7		X	X		X													
8	FMW-13-042018		1615																				
9	FMW-09-042018		1655																				
10	FMW-11-042018		1700																				

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		FARALLON	4/20/18	1752	• PM will contact OnSite with analyses for soil samples • Please run waters on a <u>2-day turn</u> . Thanks!
Received		OSI	4/20/18	1752	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date	Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>		



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

April 27, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1804-242B

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on April 20, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: April 27, 2018
Samples Submitted: April 20, 2018
Laboratory Reference: 1804-242B
Project: 1065-010

Case Narrative

Samples were collected on April 20, 2018 and received by the laboratory on April 20, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-70.0-042018					
Laboratory ID:	04-242-02					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Chloromethane	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Bromomethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Chloroethane	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Iodomethane	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
Methylene Chloride	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Bromochloromethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Chloroform	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Benzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Trichloroethene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Dibromomethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Toluene	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-70.0-042018					
Laboratory ID:	04-242-02					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Tetrachloroethene	0.0038	0.00088	EPA 8260C	4-26-18	4-26-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Chlorobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Ethylbenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
m,p-Xylene	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
o-Xylene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Bromoform	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
Bromobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	4-26-18	4-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>90</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-130</i>				



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-80.0-042018					
Laboratory ID:	04-242-04					
Dichlorodifluoromethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Chloromethane	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
Vinyl Chloride	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Bromomethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Chloroethane	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
Trichlorofluoromethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Iodomethane	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
Methylene Chloride	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
(trans) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
2,2-Dichloropropane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
(cis) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Bromochloromethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Chloroform	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,1,1-Trichloroethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Carbon Tetrachloride	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloropropene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Benzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloroethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Trichloroethene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloropropane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Dibromomethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Bromodichloromethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
2-Chloroethyl Vinyl Ether	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
(cis) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Toluene	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
(trans) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-80.0-042018					
Laboratory ID:	04-242-04					
1,1,2-Trichloroethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Tetrachloroethene	0.0019	0.00072	EPA 8260C	4-26-18	4-26-18	
1,3-Dichloropropane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Dibromochloromethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromoethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Chlorobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,1,1,2-Tetrachloroethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Ethylbenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
m,p-Xylene	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
o-Xylene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Bromoform	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
Bromobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,1,2,2-Tetrachloroethane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichloropropane	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
2-Chlorotoluene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
4-Chlorotoluene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,3-Dichlorobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,4-Dichlorobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,2-Dichlorobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
1,2,4-Trichlorobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichlorobenzene	ND	0.00072	EPA 8260C	4-26-18	4-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-130</i>				



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-90.0-042018					
Laboratory ID:	04-242-06					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Chloromethane	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Bromomethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Chloroethane	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Iodomethane	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
Methylene Chloride	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Bromochloromethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Chloroform	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Benzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Trichloroethene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Dibromomethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Toluene	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-13-90.0-042018					
Laboratory ID:	04-242-06					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Tetrachloroethene	0.0039	0.00086	EPA 8260C	4-26-18	4-26-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Chlorobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Ethylbenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
m,p-Xylene	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
o-Xylene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Bromoform	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
Bromobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	4-26-18	4-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>88</i>	<i>78-130</i>				



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0426S2					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Chloromethane	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Bromomethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Chloroethane	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Iodomethane	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
Methylene Chloride	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Bromochloromethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Chloroform	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Benzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Trichloroethene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Dibromomethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Toluene	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0426S2				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Chlorobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Ethylbenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
m,p-Xylene	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
o-Xylene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Bromoform	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
Bromobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-26-18	4-26-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-26-18	4-26-18	
<i>Surrogate:</i>		<i>Percent Recovery</i>	<i>Control Limits</i>			
<i>Dibromofluoromethane</i>	<i>93</i>	<i>75-131</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>83-130</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>78-130</i>				



Date of Report: April 27, 2018
 Samples Submitted: April 20, 2018
 Laboratory Reference: 1804-242B
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0426S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0433	0.0459	0.0500	0.0500	87	92	58-126	6	20	
Benzene	0.0468	0.0488	0.0500	0.0500	94	98	72-122	4	19	
Trichloroethene	0.0493	0.0523	0.0500	0.0500	99	105	75-120	6	20	
Toluene	0.0474	0.0506	0.0500	0.0500	95	101	78-123	7	19	
Chlorobenzene	0.0440	0.0470	0.0500	0.0500	88	94	75-120	7	18	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					93	91	75-131			
<i>Toluene-d8</i>					97	97	83-130			
<i>4-Bromofluorobenzene</i>					99	99	78-130			



Date of Report: April 27, 2018
Samples Submitted: April 20, 2018
Laboratory Reference: 1804-242B
Project: 1065-010

% MOISTURE

Date Analyzed: 4-26-18

Client ID	Lab ID	% Moisture
FMW-13-70.0-042018	04-242-02	6
FMW-13-80.0-042018	04-242-04	7
FMW-13-90.0-042018	04-242-06	19





Data Qualifiers and Abbreviations

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





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

May 25, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1805-213

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on May 22, 2018.

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

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

Sincerely,

David Baumeister
Project Manager

Enclosures



Date of Report: May 25, 2018
Samples Submitted: May 22, 2018
Laboratory Reference: 1805-213
Project: 1065-010

Case Narrative

Samples were collected on May 21, 2018 and received by the laboratory on May 22, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-2.5-052118					
Laboratory ID:	05-213-01					
Gasoline	ND	4.8	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FMW-14-5.0-052118					
Laboratory ID:	05-213-02					
Gasoline	ND	4.9	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	57-129				
Client ID:	FB-01-2.5-052118					
Laboratory ID:	05-213-03					
Gasoline	ND	4.8	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	57-129				
Client ID:	FMW-14-7.5-052118					
Laboratory ID:	05-213-04					
Gasoline	ND	4.2	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	57-129				
Client ID:	FMW-14-10.0-052118					
Laboratory ID:	05-213-05					
Gasoline	ND	4.3	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	57-129				
Client ID:	FMW-14-15.0-052118					
Laboratory ID:	05-213-06					
Gasoline	ND	4.6	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-20.0-052118					
Laboratory ID:	05-213-07					
Gasoline	ND	4.6	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	71	57-129				
Client ID:	FB-03-2.5-052118					
Laboratory ID:	05-213-11					
Gasoline	ND	4.7	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	57-129				
Client ID:	FMW-16-2.5-052118					
Laboratory ID:	05-213-12					
Gasoline	ND	4.9	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	57-129				
Client ID:	FMW-15-7.5-052118					
Laboratory ID:	05-213-15					
Gasoline	ND	4.4	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	57-129				
Client ID:	FB-04-2.5-052118					
Laboratory ID:	05-213-16					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	57-129				
Client ID:	FMW-15-15.0-052118					
Laboratory ID:	05-213-18					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	57-129				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0523S1					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	83	57-129				
Laboratory ID:	MB0523S2					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	73	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-213-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				83	84	57-129		
Laboratory ID:	05-213-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				85	87	57-129		



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-2.5-052118					
Laboratory ID:	05-213-01					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-24-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				
Client ID:	FMW-14-5.0-052118					
Laboratory ID:	05-213-02					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil	150	55	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FB-01-2.5-052118					
Laboratory ID:	05-213-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FMW-14-7.5-052118					
Laboratory ID:	05-213-04					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				
Client ID:	FMW-14-10.0-052118					
Laboratory ID:	05-213-05					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				
Client ID:	FMW-14-15.0-052118					
Laboratory ID:	05-213-06					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-20.0-052118					
Laboratory ID:	05-213-07					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	FB-03-2.5-052118					
Laboratory ID:	05-213-11					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil	190	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FMW-16-2.5-052118					
Laboratory ID:	05-213-12					
Diesel Range Organics	ND	140	NWTPH-Dx	5-23-18	5-25-18	
Lube Oil	500	280	NWTPH-Dx	5-23-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	FMW-15-7.5-052118					
Laboratory ID:	05-213-15					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				
Client ID:	FB-04-2.5-052118					
Laboratory ID:	05-213-16					
Diesel Range Organics	ND	280	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil	1400	560	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				
						S
Client ID:	FMW-15-15.0-052118					
Laboratory ID:	05-213-18					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil	240	55	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0523S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-213-07							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				93	83	50-150		
Laboratory ID:	05-213-18							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil	221	138	NA	NA	NA	NA	46	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				102	92	50-150		



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-2.5-052118					
Laboratory ID:	05-213-01					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0024	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.011	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-2.5-052118					
Laboratory ID:	05-213-01					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.013	0.00088	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>98</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>90</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-5.0-052118					
Laboratory ID:	05-213-02					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0021	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0095	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-5.0-052118					
Laboratory ID:	05-213-02					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.012	0.00079	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>90</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-2.5-052118					
Laboratory ID:	05-213-03					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0023	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.010	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-2.5-052118					
Laboratory ID:	05-213-03					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-7.5-052118					
Laboratory ID:	05-213-04					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0020	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0090	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0098	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-7.5-052118					
Laboratory ID:	05-213-04					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.00097	0.00075	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-10.0-052118					
Laboratory ID:	05-213-05					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0021	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0092	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0099	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-10.0-052118					
Laboratory ID:	05-213-05					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.0014	0.00076	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-15.0-052118					
Laboratory ID:	05-213-06					
Dichlorodifluoromethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0019	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0083	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.0090	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-15.0-052118					
Laboratory ID:	05-213-06					
1,1,2-Trichloroethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.0019	0.00069	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00069	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-20.0-052118					
Laboratory ID:	05-213-07					
Dichlorodifluoromethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0025	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.011	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-20.0-052118					
Laboratory ID:	05-213-07					
1,1,2-Trichloroethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.0020	0.00093	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0019	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00093	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-25.0-052118					
Laboratory ID:	05-213-09					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0031	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.014	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.015	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-25.0-052118					
Laboratory ID:	05-213-09					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0023	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0058	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-30.0-052118					
Laboratory ID:	05-213-10					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0024	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.011	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-30.0-052118					
Laboratory ID:	05-213-10					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-2.5-052118					
Laboratory ID:	05-213-11					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0022	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0098	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-2.5-052118					
Laboratory ID:	05-213-11					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-2.5-052118					
Laboratory ID:	05-213-12					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0024	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.010	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-2.5-052118					
Laboratory ID:	05-213-12					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.0015	0.00087	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-7.5-052118					
Laboratory ID:	05-213-15					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0021	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0094	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-7.5-052118					
Laboratory ID:	05-213-15					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-2.5-052118					
Laboratory ID:	05-213-16					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0025	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.011	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.012	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-2.5-052118					
Laboratory ID:	05-213-16					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	0.0091	0.00091	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>97</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>86</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-15.0-052118					
Laboratory ID:	05-213-18					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0023	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.010	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.011	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-15.0-052118					
Laboratory ID:	05-213-18					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>106</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-25.0-052118					
Laboratory ID:	05-213-20					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0021	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.0094	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.010	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-25.0-052118					
Laboratory ID:	05-213-20					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-35.0-052118					
Laboratory ID:	05-213-23					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-35.0-052118					
Laboratory ID:	05-213-23					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-40.0-052118					
Laboratory ID:	05-213-24					
Dichlorodifluoromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-40.0-052118					
Laboratory ID:	05-213-24					
1,1,2-Trichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-45.0-052118					
Laboratory ID:	05-213-25					
Dichlorodifluoromethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-45.0-052118					
Laboratory ID:	05-213-25					
1,1,2-Trichloroethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0035	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00070	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>111</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>111</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-50.0-052118					
Laboratory ID:	05-213-26					
Dichlorodifluoromethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-15-50.0-052118					
Laboratory ID:	05-213-26					
1,1,2-Trichloroethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0046	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00092	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-35.0-052118					
Laboratory ID:	05-213-28					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-35.0-052118					
Laboratory ID:	05-213-28					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-40.0-052118					
Laboratory ID:	05-213-29					
Dichlorodifluoromethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0067	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-40.0-052118					
Laboratory ID:	05-213-29					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0523S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Chloromethane	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Bromomethane	ND	0.0027	EPA 8260C	5-23-18	5-23-18	
Chloroethane	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Iodomethane	ND	0.012	EPA 8260C	5-23-18	5-23-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Chloroform	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Benzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
2-Chloroethyl Vinyl Ether	ND	0.013	EPA 8260C	5-23-18	5-23-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Toluene	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0523S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-23-18	5-23-18	
o-Xylene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Bromoform	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-23-18	5-23-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-23-18	5-23-18	
<i>Surrogate:</i>		<i>Percent Recovery</i>	<i>Control Limits</i>			
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0524S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0524S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0525S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0075	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0525S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>		<i>Percent Recovery</i>	<i>Control Limits</i>			
<i>Dibromofluoromethane</i>	<i>110</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>71-132</i>				



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0523S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0367	0.0364	0.0500	0.0500	73	73	53-141	1	17	
Benzene	0.0424	0.0430	0.0500	0.0500	85	86	70-130	1	15	
Trichloroethene	0.0425	0.0446	0.0500	0.0500	85	89	74-122	5	16	
Toluene	0.0432	0.0449	0.0500	0.0500	86	90	76-130	4	15	
Chlorobenzene	0.0389	0.0397	0.0500	0.0500	78	79	75-120	2	14	
<i>Surrogate:</i>										
Dibromofluoromethane					97	98	68-139			
Toluene-d8					99	101	79-128			
4-Bromofluorobenzene					96	96	71-132			



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0524S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0359	0.0349	0.0500	0.0500	72	70	53-141	3	17	
Benzene	0.0428	0.0419	0.0500	0.0500	86	84	70-130	2	15	
Trichloroethene	0.0443	0.0444	0.0500	0.0500	89	89	74-122	0	16	
Toluene	0.0457	0.0469	0.0500	0.0500	91	94	76-130	3	15	
Chlorobenzene	0.0459	0.0455	0.0500	0.0500	92	91	75-120	1	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					95	92	68-139			
<i>Toluene-d8</i>					96	101	79-128			
<i>4-Bromofluorobenzene</i>					96	100	71-132			



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0525S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0497	0.0520	0.0500	0.0500	99	104	53-141	5	17	
Benzene	0.0491	0.0507	0.0500	0.0500	98	101	70-130	3	15	
Trichloroethene	0.0502	0.0527	0.0500	0.0500	100	105	74-122	5	16	
Toluene	0.0520	0.0543	0.0500	0.0500	104	109	76-130	4	15	
Chlorobenzene	0.0523	0.0514	0.0500	0.0500	105	103	75-120	2	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					93	92	68-139			
<i>Toluene-d8</i>					96	100	79-128			
<i>4-Bromofluorobenzene</i>					100	99	71-132			



Date of Report: May 25, 2018
 Samples Submitted: May 22, 2018
 Laboratory Reference: 1805-213
 Project: 1065-010

% MOISTURE

Date Analyzed: 5-23-18

Client ID	Lab ID	% Moisture
FMW-14-2.5-052118	05-213-01	12
FMW-14-5.0-052118	05-213-02	9
FB-01-2.5-052118	05-213-03	11
FMW-14-7.5-052118	05-213-04	11
FMW-14-10.0-052118	05-213-05	10
FMW-14-15.0-052118	05-213-06	10
FMW-14-20.0-052118	05-213-07	8
FMW-14-25.0-052118	05-213-09	8
FMW-14-30.0-052118	05-213-10	11
FB-03-2.5-052118	05-213-11	11
FMW-16-2.5-052118	05-213-12	11
FMW-15-7.5-052118	05-213-15	9
FB-04-2.5-052118	05-213-16	10
FMW-15-15.0-052118	05-213-18	9
FMW-15-25.0-052118	05-213-20	7
FMW-15-35.0-052118	05-213-23	9
FMW-15-40.0-052118	05-213-24	8
FMW-15-45.0-052118	05-213-25	7
FMW-15-50.0-052118	05-213-26	5
FMW-14-35.0-052118	05-213-28	9
FMW-14-40.0-052118	05-213-29	10





Data Qualifiers and Abbreviations

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



Chain of Custody

Company: Farallon Consulting

Project Number: 1065-010

Project Name: 10650 NE 8th St. (Wasatch)

Project Manager: Eric Buer

Sampled by: Daniel Aguilar / Nate Turpen

Turnaround Request (in working days)

(Check One)

Same Day

1 Day

2 Days

3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **05-213**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters														% Moisture			
						NWTPH-HCID	NWTPH-Gw/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals		Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A
1	FMW-14-2.5-052118	5-21-18	900	Soil	5		X	X		X												X	
2	FMW-14-5.0-052118		1040				X	X		X													X
3	FB-01-2.5-052118		1042				X	X		X													X
4	FMW-14-7.5-052118		1052				X	X		X													X
5	FMW-14-10.0-052118		1100				X	X		X													X
6	FMW-14-15.0-052118		1115				X	X		X													X
7	FMW-14-20.0-052118		1130				X	X		X													X
8	FB-02-2.5-052118		1130								X												X
9	FMW-14-25.0-052118		1140								X												X
10	FMW-14-30.0-052118		1150								X												X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	5-21-18	1935	<ul style="list-style-type: none"> P.M. will contact for analyses EDDs needed concurrently with report.
Received			5/22/18	1100	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
					Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

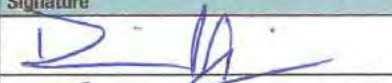


Chain of Custody

Company: Farallon Consulting
 Project Number: 10GS-010
 Project Name: 10650 NE 8th St. Wasatch
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar / Nate Turpen

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: 05-213

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters													% Moisture						
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A		Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A		
11	FB-03-2.5-052118	5-21-18	1220	Soil	5		X	X	X															X	
12	FMW-16-2.5-052118		1400				X	X	X																X
13*	FMW-15-2.5-052118		0935																						
14	FMW-15-5.0-052118		1500				X	X	X																
15	FMW-15-7.5-052118		1515				X	X	X																X
16	FB-04-2.5-052118		1515				X	X	X																X
17	FMW-15-10.0-052118		1525				X	X	X																
18	FMW-15-13.0-052118		1540				X	X	X																X
19	FMW-15-20.0-052118		1850																						
20	FMW-15-25.0-052118		1605						X																X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	5-21-18	1435	• See page one for analyses *FMW-15-2.5-052118 out of order by time collected. Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>
Received			5/22/18	1100	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			

Chain of Custody

Laboratory Number: **05-213**

Company: Farallon
 Project Number: 1065-010
 Project Name: 10650 NE 8th St (Wasatch)
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar / Wade Tupper

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters																						
						NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture					
21	FB-05-2.5-052118	5-21-18	1610	Soil	5																							
22	FMW-15-30.0-052118		1615																									
23	FMW-15-35.0-052118		1625								X																	X
24	FMW-15-40.0-052118		1635								X																	X
25	FMW-15-45.0-052118		1655								X																	X
26	FMW-15-50.0-052118		1710								X																	X
27	FTNW-17-2.5-052118	↓	1715	↓	↓																							
28	*FMW-14-35.0-052118	↓	1155*	↓	↓						X																	X
29	*FMW-14-40.0-052118	↓	1200	↓	↓						X																	X

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished		Farallon	5-21-18	19:35	• See page one for analyses * Samples out of order by time
Received		OSI	5/22/18	1100	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

May 29, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1805-230

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on May 23, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: May 29, 2018
Samples Submitted: May 23, 2018
Laboratory Reference: 1805-230
Project: 1065-010

Case Narrative

Samples were collected on May 22, 2018 and received by the laboratory on May 23, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-5.0-052218					
Laboratory ID:	05-230-01					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	57-129				
Client ID:	FMW-16-7.5-052218					
Laboratory ID:	05-230-02					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FMW-16-10.0-052218					
Laboratory ID:	05-230-03					
Gasoline	ND	4.3	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	57-129				
Client ID:	FMW-16-15.0-052218					
Laboratory ID:	05-230-04					
Gasoline	ND	4.8	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	57-129				
Client ID:	FMW-16-20.0-052218					
Laboratory ID:	05-230-05					
Gasoline	ND	5.3	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FMW-16-25.0-052218					
Laboratory ID:	05-230-06					
Gasoline	ND	4.4	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	57-129				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-35.0-052218					
Laboratory ID:	05-230-08					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	77	57-129				
Client ID:	FMW-16-40.0-052218					
Laboratory ID:	05-230-09					
Gasoline	ND	4.8	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	100	57-129				
Client ID:	FMW-16-45.0-052218					
Laboratory ID:	05-230-10					
Gasoline	ND	5.3	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				
Client ID:	FMW-16-55.0-052218					
Laboratory ID:	05-230-12					
Gasoline	ND	4.1	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				
Client ID:	FB-09-10.0-052218					
Laboratory ID:	05-230-13					
Gasoline	ND	4.6	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	57-129				
Client ID:	FB-06-2.5-052218					
Laboratory ID:	05-230-15					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	57-129				
Client ID:	FB-07-2.5-052218					
Laboratory ID:	05-230-16					
Gasoline	ND	4.3	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	57-129				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-5.0-052218					
Laboratory ID:	05-230-18					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	57-129				
Client ID:	FMW-17-10.0-052218					
Laboratory ID:	05-230-19					
Gasoline	ND	4.6	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	57-129				
Client ID:	FMW-17-15.0-052218					
Laboratory ID:	05-230-20					
Gasoline	ND	4.6	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FMW-17-25.0-052218					
Laboratory ID:	05-230-22					
Gasoline	ND	4.4	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				
Client ID:	FMW-17-35.0-052218					
Laboratory ID:	05-230-24					
Gasoline	ND	4.3	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	57-129				
Client ID:	FMW-17-40.0-052218					
Laboratory ID:	05-230-25					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				
Client ID:	FMW-17-45.0-052218					
Laboratory ID:	05-230-26					
Gasoline	ND	4.6	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-2.5-052218					
Laboratory ID:	05-230-27					
Gasoline	ND	4.2	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	57-129				
Client ID:	FB-08-10.0-052218					
Laboratory ID:	05-230-29					
Gasoline	ND	4.3	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	57-129				
Client ID:	FB-08-20.0-052218					
Laboratory ID:	05-230-31					
Gasoline	ND	4.5	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	57-129				
Client ID:	FB-08-25.0-052218					
Laboratory ID:	05-230-32					
Gasoline	ND	4.2	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				
Client ID:	FB-08-30.0-052218					
Laboratory ID:	05-230-33					
Gasoline	ND	3.8	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	57-129				
Client ID:	FB-08-35.0-052218					
Laboratory ID:	05-230-34					
Gasoline	ND	4.3	NWTPH-Gx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	57-129				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0523S2					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
Fluorobenzene	73	57-129				
Laboratory ID:	MB0523S3					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
Fluorobenzene	87	57-129				
Laboratory ID:	MB0523S4					
Gasoline	ND	5.0	NWTPH-Gx	5-23-18	5-23-18	
Surrogate:	<i>Percent Recovery</i>		<i>Control Limits</i>			
Fluorobenzene	89	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-213-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				85	87	57-129		
Laboratory ID:	05-213-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				86	85	57-129		
Laboratory ID:	05-213-04							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				87	86	57-129		



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-5.0-052218					
Laboratory ID:	05-230-01					
Diesel Range Organics	ND	29	NWTPH-Dx	5-23-18	5-25-18	
Lube Oil	230	58	NWTPH-Dx	5-23-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FMW-16-7.5-052218					
Laboratory ID:	05-230-02					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-24-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-23-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				
Client ID:	FMW-16-10.0-052218					
Laboratory ID:	05-230-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	FMW-16-15.0-052218					
Laboratory ID:	05-230-04					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				
Client ID:	FMW-16-20.0-052218					
Laboratory ID:	05-230-05					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-25-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-23-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				
Client ID:	FMW-16-25.0-052218					
Laboratory ID:	05-230-06					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-25-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-23-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-35.0-052218					
Laboratory ID:	05-230-08					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	FMW-16-40.0-052218					
Laboratory ID:	05-230-09					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				
Client ID:	FMW-16-45.0-052218					
Laboratory ID:	05-230-10					
Diesel Range Organics	ND	26	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				
Client ID:	FMW-16-55.0-052218					
Laboratory ID:	05-230-12					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	FB-09-10.0-052218					
Laboratory ID:	05-230-13					
Diesel Range Organics	ND	27	NWTPH-Dx	5-23-18	5-25-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-23-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FB-06-2.5-052218					
Laboratory ID:	05-230-15					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-2.5-052218					
Laboratory ID:	05-230-16					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FMW-17-5.0-052218					
Laboratory ID:	05-230-18					
Diesel Range Organics	ND	34	NWTPH-Dx	5-23-18	5-25-18	U1
Lube Oil	380	54	NWTPH-Dx	5-23-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FMW-17-10.0-052218					
Laboratory ID:	05-230-19					
Diesel Range Organics	ND	28	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-23-18	5-23-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FMW-17-15.0-052218					
Laboratory ID:	05-230-20					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-25-18	
Lube Oil	83	54	NWTPH-Dx	5-24-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				
Client ID:	FMW-17-25.0-052218					
Laboratory ID:	05-230-22					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				
Client ID:	FMW-17-35.0-052218					
Laboratory ID:	05-230-24					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-40.0-052218					
Laboratory ID:	05-230-25					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FMW-17-45.0-052218					
Laboratory ID:	05-230-26					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				
Client ID:	FB-08-2.5-052218					
Laboratory ID:	05-230-27					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-25-18	
Lube Oil	73	55	NWTPH-Dx	5-24-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FB-08-10.0-052218					
Laboratory ID:	05-230-29					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				
Client ID:	FB-08-20.0-052218					
Laboratory ID:	05-230-31					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				
Client ID:	FB-08-25.0-052218					
Laboratory ID:	05-230-32					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-30.0-052218					
Laboratory ID:	05-230-33					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	FB-08-35.0-052218					
Laboratory ID:	05-230-34					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0523S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-23-18	5-23-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-23-18	5-23-18	
Surrogate:	Percent Recovery		Control Limits			
<i>o</i> -Terphenyl	100	50-150				
Laboratory ID:	MB0524S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-24-18	5-24-18	
Surrogate:	Percent Recovery		Control Limits			
<i>o</i> -Terphenyl	99	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-230-10							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				98	98	50-150		
Laboratory ID:	05-230-19							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				95	113	50-150		
Laboratory ID:	05-230-20							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil	76.0	71.6	NA	NA	NA	NA	6	NA
Surrogate:								
<i>o</i> -Terphenyl				80	91	50-150		
Laboratory ID:	05-230-25							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				95	93	50-150		



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-5.0-052218					
Laboratory ID:	05-230-01					
Dichlorodifluoromethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-5.0-052218					
Laboratory ID:	05-230-01					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0019	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>105</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-7.5-052218					
Laboratory ID:	05-230-02					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-7.5-052218					
Laboratory ID:	05-230-02					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-10.0-052218					
Laboratory ID:	05-230-03					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-10.0-052218					
Laboratory ID:	05-230-03					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>115</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>117</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-15.0-052218					
Laboratory ID:	05-230-04					
Dichlorodifluoromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-15.0-052218					
Laboratory ID:	05-230-04					
1,1,2-Trichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>111</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>109</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-20.0-052218					
Laboratory ID:	05-230-05					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-20.0-052218					
Laboratory ID:	05-230-05					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>102</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>110</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-25.0-052218					
Laboratory ID:	05-230-06					
Dichlorodifluoromethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-25.0-052218					
Laboratory ID:	05-230-06					
1,1,2-Trichloroethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00089	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-35.0-052218					
Laboratory ID:	05-230-08					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-35.0-052218					
Laboratory ID:	05-230-08					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>89</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>96</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-40.0-052218					
Laboratory ID:	05-230-09					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-40.0-052218					
Laboratory ID:	05-230-09					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-45.0-052218					
Laboratory ID:	05-230-10					
Dichlorodifluoromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-45.0-052218					
Laboratory ID:	05-230-10					
1,1,2-Trichloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0034	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00068	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-55.0-052218					
Laboratory ID:	05-230-12					
Dichlorodifluoromethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-16-55.0-052218					
Laboratory ID:	05-230-12					
1,1,2-Trichloroethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0019	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0047	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00094	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>113</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-09-10.0-052218					
Laboratory ID:	05-230-13					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-09-10.0-052218					
Laboratory ID:	05-230-13					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-2.5-052218					
Laboratory ID:	05-230-15					
Dichlorodifluoromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-2.5-052218					
Laboratory ID:	05-230-15					
1,1,2-Trichloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00072	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-2.5-052218					
Laboratory ID:	05-230-16					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-2.5-052218					
Laboratory ID:	05-230-16					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-5.0-052218					
Laboratory ID:	05-230-18					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-5.0-052218					
Laboratory ID:	05-230-18					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>95</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>90</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-10.0-052218					
Laboratory ID:	05-230-19					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0062	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-10.0-052218					
Laboratory ID:	05-230-19					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>123</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>122</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-15.0-052218					
Laboratory ID:	05-230-20					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0061	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-15.0-052218					
Laboratory ID:	05-230-20					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>122</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>120</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-25.0-052218					
Laboratory ID:	05-230-22					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0058	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-25.0-052218					
Laboratory ID:	05-230-22					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>113</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-35.0-052218					
Laboratory ID:	05-230-24					
Dichlorodifluoromethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0068	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.0014	0.00091	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0062	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-35.0-052218					
Laboratory ID:	05-230-24					
1,1,2-Trichloroethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00091	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-40.0-052218					
Laboratory ID:	05-230-25					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0061	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.0029	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-40.0-052218					
Laboratory ID:	05-230-25					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>122</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-45.0-052218					
Laboratory ID:	05-230-26					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0062	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.0019	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0056	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-45.0-052218					
Laboratory ID:	05-230-26					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>117</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>128</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>125</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-2.5-052218					
Laboratory ID:	05-230-27					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0057	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-2.5-052218					
Laboratory ID:	05-230-27					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-10.0-052218					
Laboratory ID:	05-230-29					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0056	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-10.0-052218					
Laboratory ID:	05-230-29					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>115</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-20.0-052218					
Laboratory ID:	05-230-31					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0058	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-20.0-052218					
Laboratory ID:	05-230-31					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-25.0-052218					
Laboratory ID:	05-230-32					
Dichlorodifluoromethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0054	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-25.0-052218					
Laboratory ID:	05-230-32					
1,1,2-Trichloroethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0014	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0036	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00072	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-30.0-052218					
Laboratory ID:	05-230-33					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0061	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-30.0-052218					
Laboratory ID:	05-230-33					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>115</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>117</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-35.0-052218					
Laboratory ID:	05-230-34					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0058	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-35.0-052218					
Laboratory ID:	05-230-34					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>117</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>118</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0524S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chloromethane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromomethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chloroethane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Iodomethane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chloroform	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Benzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
2-Chloroethyl Vinyl Ether	ND	0.0063	EPA 8260C	5-24-18	5-24-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Toluene	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0524S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-24-18	5-24-18	
o-Xylene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Bromoform	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-24-18	5-24-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>111</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>119</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0525S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0075	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0525S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>71-132</i>				



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0524S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0359	0.0349	0.0500	0.0500	72	70	53-141	3	17	
Benzene	0.0428	0.0419	0.0500	0.0500	86	84	70-130	2	15	
Trichloroethene	0.0443	0.0444	0.0500	0.0500	89	89	74-122	0	16	
Toluene	0.0457	0.0469	0.0500	0.0500	91	94	76-130	3	15	
Chlorobenzene	0.0459	0.0455	0.0500	0.0500	92	91	75-120	1	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					95	92	68-139			
<i>Toluene-d8</i>					96	101	79-128			
<i>4-Bromofluorobenzene</i>					96	100	71-132			



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0525S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0497	0.0520	0.0500	0.0500	99	104	53-141	5	17	
Benzene	0.0491	0.0507	0.0500	0.0500	98	101	70-130	3	15	
Trichloroethene	0.0502	0.0527	0.0500	0.0500	100	105	74-122	5	16	
Toluene	0.0520	0.0543	0.0500	0.0500	104	109	76-130	4	15	
Chlorobenzene	0.0523	0.0514	0.0500	0.0500	105	103	75-120	2	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					93	92	68-139			
<i>Toluene-d8</i>					96	100	79-128			
<i>4-Bromofluorobenzene</i>					100	99	71-132			



Date of Report: May 29, 2018
 Samples Submitted: May 23, 2018
 Laboratory Reference: 1805-230
 Project: 1065-010

% MOISTURE

Date Analyzed: 5-23&24-18

Client ID	Lab ID	% Moisture
FMW-16-5.0-052218	05-230-01	13
FMW-16-7.5-052218	05-230-02	12
FMW-16-10.0-052218	05-230-03	10
FMW-16-15.0-052218	05-230-04	8
FMW-16-20.0-052218	05-230-05	10
FMW-16-25.0-052218	05-230-06	8
FMW-16-35.0-052218	05-230-08	8
FMW-16-40.0-052218	05-230-09	8
FMW-16-45.0-052218	05-230-10	5
FMW-16-55.0-052218	05-230-12	6
FB-09-10.0-052218	05-230-13	8
FB-06-2.5-052218	05-230-15	10
FB-07-2.5-052218	05-230-16	10
FMW-17-5.0-052218	05-230-18	8
FMW-17-10.0-052218	05-230-19	10
FMW-17-15.0-052218	05-230-20	8
FMW-17-25.0-052218	05-230-22	8
FMW-17-35.0-052218	05-230-24	10
FMW-17-40.0-052218	05-230-25	8
FMW-17-45.0-052218	05-230-26	8
FB-08-2.5-052218	05-230-27	10
FB-08-10.0-052218	05-230-29	10
FB-08-20.0-052218	05-230-31	10
FB-08-25.0-052218	05-230-32	7
FB-08-30.0-052218	05-230-33	8
FB-08-35.0-052218	05-230-34	9





Data Qualifiers and Abbreviations

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



Chain of Custody

Company:
Farallon Consulting

Project Number:
1065-010

Project Name:
Wasatch

Project Manager:
Eric Buer

Sampled by:
Daniel Aguilar / Nate Turpen

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **05-230**

Lab ID	Sample Identification	Date Sampled		Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gw/BTEX	NWTPH-Gx	NWTPH-Dx (□ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8280C + BTEX	EDS EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081E	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1694A	% Moisture
		Time Sampled																					
1	FMW-16-5.0-052218	5-22-18	9:15	Soil	5			X	X	X													
2	FMW-16-7.5-052218		9:20				X	X	X														
3	FMW-16-10.0-052218		9:30				X	X	X														
4	FMW-16-15.0-052218		9:45				X	X	X														
5	FMW-16-20.0-052218		9:50				X	X	X														
6	FMW-16-25.0-052218		10:25				X	X	X														
7	FMW-16-30.0-052218		10:35																			X	
8	FMW-16-35.0-052218		10:45				X	X	X														
9	FMW-16-40.0-052218		11:00				X	X	X														
10	FMW-16-45.0-052218		11:15				X	X	X														

Signature	Company	Date	Time	Comments/Special Instructions
<i>[Signature]</i>	Farallon	5-22-18	1815	<ul style="list-style-type: none"> • PM will contact OnSite with analyses • UPDATED 5/23/2018
<i>[Signature]</i>	<i>OSE</i>	5/23/18	1115	
				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>

Chain of Custody

Company: Farallon Consulting
 Project Number: 1065-010
 Project Name: Wasatch
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar / Eric Buer

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **05-230**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
11	FMW-16-50.0-052218	5-22-18	1125	soil	5
12	FMW-16-55.0-052218	5-22-18	1155		
13	FB-09-10.0-052218		1315		
14	FB-09-12.5-052218		1520		
15	FB-06-25-052218		0945		
16	FB-07-25-052218		1105		
17	FMW-18-25-052218		1133		

NWTPH-HCID	NWTPH-GvBTEX	NWTPH-Gx	NWTPH-Dx (☐ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total PCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
		X	X		X												0
		X	X		X												0
																X	
		X	X		X												0
		X	X		X												0
																X	

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	Farallon	5-22-18	1315	See page one UPDATED 5/23/2018
<u>[Signature]</u>	<u>[Signature]</u>	5/23/18	1115	
Relinquished				Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Received				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>

Chain of Custody

Company: Farallon
 Project Number: 1065-010
 Project Name: Wasatch
 Project Manager: Eric Buer
 Sampled by: NT

Turnaround Request (in working days)
 (Check One)
 Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days) (TPH analysis 5 Days)
 _____ (other)

Laboratory Number: **05-230**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Analytical Parameters													% Moisture							
						NWTPH-HCID	NWTPH-GV/BTEX	NWTPH-Gx	NWTPH-Dx (□ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semi-volatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organoc/Norine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A		Total FCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1064A			
18	FMW-17-5.0-052218	5/22/18	0817	Soil	5			X	X		X															
19	FMW-17-10.0-052218		0828		1			X	X		X															
20	FMW-17-15.0-052218		0840		1			X	X		X															
21	FMW-17-20.0-052218		0850		1																					
22	FMW-17-25.0-052218		0905		1			X	X		X															
23	FMW-17-30.0-052218		0915		1																					
24	FMW-17-35.0-052218		0940		1			X	X		X															
25	FMW-17-40.0-052218		1000		1			X	X		X															
26	FMW-17-45.0-052218		1020		1			X	X		X															
27	FB-08-2.5-052218		1042		1			X	X		X															

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	Farallon	5/22/18	1815	Hold Samples. Eric Buer will call for analysis. UPDATED 5/23/2018
<u>[Signature]</u>	<u>[Signature]</u>	5/23/18	1115	
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>				Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>

Chain of Custody

Company: <u>Farallon</u> Project Number: <u>1065-010</u> Project Name: <u>Wasatch</u> Project Manager: <u>Eric Buer</u> Sampled by: <u>NT</u>					Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input checked="" type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days) <input type="checkbox"/> _____ (other)					Laboratory Number: 05-230															
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HClD	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-DX (□ Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semi-volatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	%	Moisture	
28	FB-08-5.0-052218	5/22/18	1420	Soil	5																				
29	FB-08-10.0-052218		1440		1			X	X		X														0
30	FB-08-15.0-052218		1450		1																				
31	FB-08-20.0-052218		1458		1			X	X		X														0
32	FB-08-25.0-052218		1510		1			X	X		X														
33	FB-08-30.0-052218		1520		1			X	X		X														
34	FB-08-35.0-052218		1540		1			X	X		X														
NT																									
Signature: <u>[Signature]</u> Company: <u>Farallon</u> Date: <u>5/22/18</u> Time: <u>1815</u>					Comments/Special Instructions: <u>Hold Samples, Eric Buer will call for Analysis.</u> <u>UPDATED 5/23/2018</u>																				
Relinquished																									
Received: <u>[Signature]</u>																									
Relinquished																									
Received					Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>																				
Relinquished																									
Received					Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>																				
Reviewed/Date																									



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

May 30, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1805-257

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on May 24, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: May 30, 2018
Samples Submitted: May 24, 2018
Laboratory Reference: 1805-257
Project: 1065-010

Case Narrative

Samples were collected on May 23, 2018 and received by the laboratory on May 24, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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

NWTPH-Dx Analysis

Please note that the Diesel Range result for sample FB-07-35.0-052318 is attributed to one unidentified, dominant peak within that range. Please reference the chromatogram.

Volatiles EPA 8260C Analysis

Surrogate Standard Toluene-d8 is outside control limits on the high end for sample FB-01-7.5-052318. Because the sample is non-detect, no further action was taken.

The VOA vials for samples FB-01-20.0-052318, FB-01-25.0-052318, FB-01-35.0-052318, FB-01-40.0-052318, FB-02-5.0-052318, FB-02-7.5-052318 and FB-02-15.0-052318 were inadvertently stored at an inappropriate temperature. The results for the VOA vials were verified by analyzing an aliquot from the corresponding eight-ounce jar.

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



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-GW-052318					
Laboratory ID:	05-257-01					
Gasoline	ND	100	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	66-117				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525W1					
Gasoline	ND	100	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	80	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-257-01							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				88	84	66-117		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-5.0-052318					
Laboratory ID:	05-257-02					
Gasoline	ND	4.8	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	80	57-129				
Client ID:	FB-05-10.0-052318					
Laboratory ID:	05-257-03					
Gasoline	ND	4.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FB-05-20.0-052318					
Laboratory ID:	05-257-05					
Gasoline	ND	4.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	57-129				
Client ID:	FB-05-30.0-052318					
Laboratory ID:	05-257-07					
Gasoline	ND	4.3	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FB-05-35.0-052318					
Laboratory ID:	05-257-08					
Gasoline	ND	4.1	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	76	57-129				
Client ID:	FB-05-40.0-052318					
Laboratory ID:	05-257-09					
Gasoline	ND	4.4	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	71	57-129				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-5.0-052318					
Laboratory ID:	05-257-11					
Gasoline	ND	4.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	57-129				
Client ID:	FMW-18-15.0-052318					
Laboratory ID:	05-257-13					
Gasoline	ND	4.5	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	57-129				
Client ID:	FMW-18-25.0-052318					
Laboratory ID:	05-257-15					
Gasoline	ND	4.5	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	57-129				
Client ID:	FMW-18-35.0-052318					
Laboratory ID:	05-257-17					
Gasoline	ND	4.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	57-129				
Client ID:	FMW-18-40.0-052318					
Laboratory ID:	05-257-18					
Gasoline	ND	4.9	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	57-129				
Client ID:	FMW-18-45.0-052318					
Laboratory ID:	05-257-19					
Gasoline	ND	4.4	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	57-129				
Client ID:	FMW-18-50.0-052318					
Laboratory ID:	05-257-20					
Gasoline	ND	4.7	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	80	57-129				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-15.0-052318					
Laboratory ID:	05-257-22					
Gasoline	ND	4.3	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FB-07-25.0-052318					
Laboratory ID:	05-257-24					
Gasoline	ND	4.3	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	57-129				
Client ID:	FB-07-35.0-052318					
Laboratory ID:	05-257-26					
Gasoline	ND	4.5	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	57-129				
Client ID:	FB-07-40.0-052318					
Laboratory ID:	05-257-27					
Gasoline	ND	4.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	81	57-129				
Client ID:	FB-04-7.5-052318					
Laboratory ID:	05-257-29					
Gasoline	ND	4.5	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FB-04-15.0-052318					
Laboratory ID:	05-257-31					
Gasoline	ND	4.4	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FB-04-25.0-052318					
Laboratory ID:	05-257-33					
Gasoline	ND	5.7	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	57-129				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-30.0-052318					
Laboratory ID:	05-257-34					
Gasoline	ND	5.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	57-129				
Client ID:	FB-04-35.0-052318					
Laboratory ID:	05-257-35					
Gasoline	ND	4.9	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FB-04-40.0-052318					
Laboratory ID:	05-257-36					
Gasoline	ND	7.3	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	97	57-129				
Client ID:	FB-01-7.5-052318					
Laboratory ID:	05-257-38					
Gasoline	ND	6.1	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	57-129				
Client ID:	FB-01-10.0-052318					
Laboratory ID:	05-257-39					
Gasoline	ND	5.2	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	57-129				
Client ID:	FB-01-15.0-052318					
Laboratory ID:	05-257-40					
Gasoline	ND	5.0	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	91	57-129				
Client ID:	FB-01-20.0-052318					
Laboratory ID:	05-257-41					
Gasoline	ND	4.8	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	57-129				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-25.0-052318					
Laboratory ID:	05-257-42					
Gasoline	ND	4.6	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FB-01-35.0-052318					
Laboratory ID:	05-257-44					
Gasoline	ND	4.7	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	89	57-129				
Client ID:	FB-01-40.0-052318					
Laboratory ID:	05-257-45					
Gasoline	ND	6.8	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	94	57-129				
Client ID:	FB-02-5.0-052318					
Laboratory ID:	05-257-46					
Gasoline	ND	5.1	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	95	57-129				
Client ID:	FB-02-7.5-052318					
Laboratory ID:	05-257-47					
Gasoline	ND	5.1	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FB-02-15.0-052318					
Laboratory ID:	05-257-49					
Gasoline	ND	4.7	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx
METHOD BLANK QUALITY CONTROL

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<hr/>						
Laboratory ID:	MB0525S1					
Gasoline	ND	5.0	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	83	57-129				
<hr/>						
Laboratory ID:	MB0525S2					
Gasoline	ND	5.0	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	81	57-129				
<hr/>						
Laboratory ID:	MB0525S3					
Gasoline	ND	5.0	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	82	57-129				
<hr/>						
Laboratory ID:	MB0525S4					
Gasoline	ND	5.0	NWTPH-Gx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	80	57-129				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Gx
DUPLICATE QUALITY CONTROL

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
Laboratory ID: 05-257-02								
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				80	84	57-129		
Laboratory ID: 05-257-03								
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				83	82	57-129		
Laboratory ID: 05-257-05								
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				82	84	57-129		
Laboratory ID: 05-257-07								
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
Fluorobenzene				83	81	57-129		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-GW-052318					
Laboratory ID:	05-257-01					
Diesel Range Organics	ND	0.28	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	0.44	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	105	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil	ND	0.40	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-246-01							
	ORIG	DUP						
Diesel Range Organics	1.06	0.920	NA	NA	NA	NA	14	NA
Lube Oil Range Organics	0.805	0.600	NA	NA	NA	NA	29	NA N1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				98	92	50-150		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-5.0-052318					
Laboratory ID:	05-257-02					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-29-18	
Lube Oil	170	55	NWTPH-Dx	5-24-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FB-05-10.0-052318					
Laboratory ID:	05-257-03					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				
Client ID:	FB-05-20.0-052318					
Laboratory ID:	05-257-05					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	100	50-150				
Client ID:	FB-05-30.0-052318					
Laboratory ID:	05-257-07					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				
Client ID:	FB-05-35.0-052318					
Laboratory ID:	05-257-08					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	FB-05-40.0-052318					
Laboratory ID:	05-257-09					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-5.0-052318					
Laboratory ID:	05-257-11					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-25-18	
Lube Oil	190	57	NWTPH-Dx	5-24-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FMW-18-15.0-052318					
Laboratory ID:	05-257-13					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				
Client ID:	FMW-18-25.0-052318					
Laboratory ID:	05-257-15					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				
Client ID:	FMW-18-35.0-052318					
Laboratory ID:	05-257-17					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	FMW-18-40.0-052318					
Laboratory ID:	05-257-18					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	115	50-150				
Client ID:	FMW-18-45.0-052318					
Laboratory ID:	05-257-19					
Diesel Range Organics	ND	29	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-50.0-052318					
Laboratory ID:	05-257-20					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				
Client ID:	FB-07-15.0-052318					
Laboratory ID:	05-257-22					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FB-07-25.0-052318					
Laboratory ID:	05-257-24					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	111	50-150				
Client ID:	FB-07-35.0-052318					
Laboratory ID:	05-257-26					
Diesel Range Organics	58	28	NWTPH-Dx	5-24-18	5-25-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-24-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
Client ID:	FB-07-40.0-052318					
Laboratory ID:	05-257-27					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	113	50-150				
Client ID:	FB-04-7.5-052318					
Laboratory ID:	05-257-29					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	124	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-15.0-052318					
Laboratory ID:	05-257-31					
Diesel Range Organics	ND	27	NWTPH-Dx	5-24-18	5-25-18	
Lube Oil	290	55	NWTPH-Dx	5-24-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
Client ID:	FB-04-25.0-052318					
Laboratory ID:	05-257-33					
Diesel Range Organics	ND	28	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-24-18	5-24-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				
Client ID:	FB-04-30.0-052318					
Laboratory ID:	05-257-34					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	FB-04-35.0-052318					
Laboratory ID:	05-257-35					
Diesel Range Organics	ND	30	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				
Client ID:	FB-04-40.0-052318					
Laboratory ID:	05-257-36					
Diesel Range Organics	ND	29	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FB-01-7.5-052318					
Laboratory ID:	05-257-38					
Diesel Range Organics	ND	28	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-10.0-052318					
Laboratory ID:	05-257-39					
Diesel Range Organics	ND	28	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil	76	55	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				
Client ID:	FB-01-15.0-052318					
Laboratory ID:	05-257-40					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				
Client ID:	FB-01-20.0-052318					
Laboratory ID:	05-257-41					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				
Client ID:	FB-01-25.0-052318					
Laboratory ID:	05-257-42					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FB-01-35.0-052318					
Laboratory ID:	05-257-44					
Diesel Range Organics	ND	31	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	63	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FB-01-40.0-052318					
Laboratory ID:	05-257-45					
Diesel Range Organics	ND	30	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-5.0-052318					
Laboratory ID:	05-257-46					
Diesel Range Organics	ND	28	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	106	50-150				
Client ID:	FB-02-7.5-052318					
Laboratory ID:	05-257-47					
Diesel Range Organics	ND	28	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	115	50-150				
Client ID:	FB-02-15.0-052318					
Laboratory ID:	05-257-49					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0524S4					
Diesel Range Organics	ND	25	NWTPH-Dx	5-24-18	5-24-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-24-18	5-24-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	94	50-150				
Laboratory ID:	MB0525S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-25-18	5-25-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	105	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-257-09							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				104	104	50-150		
Laboratory ID:	05-257-17							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				97	115	50-150		
Laboratory ID:	05-257-35							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				83	88	50-150		
Laboratory ID:	05-257-45							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				97	106	50-150		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-GW-052318					
Laboratory ID:	05-257-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	1.0	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.33	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	1.0	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	2.0	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Chloroform	0.49	0.20	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	1.0	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-08-GW-052318					
Laboratory ID:	05-257-01					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	1.0	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-125</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0525W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	1.0	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.33	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	1.0	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	2.0	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	1.0	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0525W1				
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	1.0	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>78-125</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0525W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	11.4	10.7	10.0	10.0	114	107	62-129	6	15	
Benzene	11.0	10.4	10.0	10.0	110	104	77-127	6	15	
Trichloroethene	11.0	10.4	10.0	10.0	110	104	70-120	6	15	
Toluene	11.2	10.4	10.0	10.0	112	104	82-123	7	15	
Chlorobenzene	10.6	9.91	10.0	10.0	106	99	79-120	7	15	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					103	103	75-127			
<i>Toluene-d8</i>					103	102	80-127			
<i>4-Bromofluorobenzene</i>					100	101	78-125			



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-5.0-052318					
Laboratory ID:	05-257-02					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0073	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-5.0-052318					
Laboratory ID:	05-257-02					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-10.0-052318					
Laboratory ID:	05-257-03					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0076	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-10.0-052318					
Laboratory ID:	05-257-03					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-20.0-052318					
Laboratory ID:	05-257-05					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0079	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-20.0-052318					
Laboratory ID:	05-257-05					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-30.0-052318					
Laboratory ID:	05-257-07					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0072	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-30.0-052318					
Laboratory ID:	05-257-07					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-35.0-052318					
Laboratory ID:	05-257-08					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0071	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-35.0-052318					
Laboratory ID:	05-257-08					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>106</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-40.0-052318					
Laboratory ID:	05-257-09					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.0020	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0070	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-05-40.0-052318					
Laboratory ID:	05-257-09					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-5.0-052318					
Laboratory ID:	05-257-11					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0071	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-5.0-052318					
Laboratory ID:	05-257-11					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-15.0-052318					
Laboratory ID:	05-257-13					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0079	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-15.0-052318					
Laboratory ID:	05-257-13					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-25.0-052318					
Laboratory ID:	05-257-15					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0080	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-25.0-052318					
Laboratory ID:	05-257-15					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-35.0-052318					
Laboratory ID:	05-257-17					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	0.0020	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	0.0027	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.035	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Benzene	0.0011	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0080	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-35.0-052318					
Laboratory ID:	05-257-17					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>94</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-40.0-052318					
Laboratory ID:	05-257-18					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	0.043	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.067	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0077	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-40.0-052318					
Laboratory ID:	05-257-18					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>91</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-45.0-052318					
Laboratory ID:	05-257-19					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	0.0053	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	0.0013	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-45.0-052318					
Laboratory ID:	05-257-19					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-50.0-052318					
Laboratory ID:	05-257-20					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0079	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-50.0-052318					
Laboratory ID:	05-257-20					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-15.0-052318					
Laboratory ID:	05-257-22					
Dichlorodifluoromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0074	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-15.0-052318					
Laboratory ID:	05-257-22					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-25.0-052318					
Laboratory ID:	05-257-24					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0073	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-25.0-052318					
Laboratory ID:	05-257-24					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>106</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>92</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-35.0-052318					
Laboratory ID:	05-257-26					
Dichlorodifluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0076	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-35.0-052318					
Laboratory ID:	05-257-26					
1,1,2-Trichloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00082	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>109</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-40.0-052318					
Laboratory ID:	05-257-27					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0076	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-07-40.0-052318					
Laboratory ID:	05-257-27					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-7.5-052318					
Laboratory ID:	05-257-29					
Dichlorodifluoromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-7.5-052318					
Laboratory ID:	05-257-29					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-15.0-052318					
Laboratory ID:	05-257-31					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0080	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-15.0-052318					
Laboratory ID:	05-257-31					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-25.0-052318					
Laboratory ID:	05-257-33					
Dichlorodifluoromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0072	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-25.0-052318					
Laboratory ID:	05-257-33					
1,1,2-Trichloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00078	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>109</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>112</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-30.0-052318					
Laboratory ID:	05-257-34					
Dichlorodifluoromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0064	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-30.0-052318					
Laboratory ID:	05-257-34					
1,1,2-Trichloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00085	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>120</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>119</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-35.0-052318					
Laboratory ID:	05-257-35					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0082	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0075	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-35.0-052318					
Laboratory ID:	05-257-35					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0022	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0022	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0055	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>107</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-40.0-052318					
Laboratory ID:	05-257-36					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0067	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-04-40.0-052318					
Laboratory ID:	05-257-36					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-7.5-052318					
Laboratory ID:	05-257-38					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0066	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-7.5-052318					
Laboratory ID:	05-257-38					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>115</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>134</i>	<i>79-128</i>				Q
<i>4-Bromofluorobenzene</i>	<i>132</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-10.0-052318					
Laboratory ID:	05-257-39					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0066	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-10.0-052318					
Laboratory ID:	05-257-39					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>114</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-15.0-052318					
Laboratory ID:	05-257-40					
Dichlorodifluoromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0066	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0060	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-15.0-052318					
Laboratory ID:	05-257-40					
1,1,2-Trichloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0044	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.00088	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>117</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-20.0-052318					
Laboratory ID:	05-257-41					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0066	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-20.0-052318					
Laboratory ID:	05-257-41					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0021	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0021	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>108</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-25.0-052318					
Laboratory ID:	05-257-42					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0052	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-25.0-052318					
Laboratory ID:	05-257-42					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0016	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>108</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>122</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>117</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-35.0-052318					
Laboratory ID:	05-257-44					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-35.0-052318					
Laboratory ID:	05-257-44					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>89</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-40.0-052318					
Laboratory ID:	05-257-45					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-01-40.0-052318					
Laboratory ID:	05-257-45					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0021	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0021	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0053	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-5.0-052318					
Laboratory ID:	05-257-46					
Dichlorodifluoromethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0055	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-5.0-052318					
Laboratory ID:	05-257-46					
1,1,2-Trichloroethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0017	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00086	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-7.5-052318					
Laboratory ID:	05-257-47					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-7.5-052318					
Laboratory ID:	05-257-47					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0015	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-15.0-052318					
Laboratory ID:	05-257-49					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0077	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-15.0-052318					
Laboratory ID:	05-257-49					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0024	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0024	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0060	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>113</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>114</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0525S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0075	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0068	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0525S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0020	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>118</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0525S3					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloromethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Iodomethane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chloroform	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Benzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chloroethyl Vinyl Ether	ND	0.0093	EPA 8260C	5-25-18	5-25-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Toluene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0525S3				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Tetrachloroethene	ND	0.0020	EPA 8260C	5-25-18	5-25-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-25-18	5-25-18	
o-Xylene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Bromoform	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-25-18	5-25-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>100</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>95</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0529S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0020	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>71-132</i>				



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0525S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0497	0.0520	0.0500	0.0500	99	104	53-141	5	17	
Benzene	0.0491	0.0507	0.0500	0.0500	98	101	70-130	3	15	
Trichloroethene	0.0502	0.0527	0.0500	0.0500	100	105	74-122	5	16	
Toluene	0.0520	0.0543	0.0500	0.0500	104	109	76-130	4	15	
Chlorobenzene	0.0523	0.0514	0.0500	0.0500	105	103	75-120	2	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					93	92	68-139			
<i>Toluene-d8</i>					96	100	79-128			
<i>4-Bromofluorobenzene</i>					100	99	71-132			



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0525S2									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0583	0.0622	0.0500	0.0500	117	124	53-141	6	17	
Benzene	0.0563	0.0607	0.0500	0.0500	113	121	70-130	8	15	
Trichloroethene	0.0564	0.0601	0.0500	0.0500	113	120	74-122	6	16	
Toluene	0.0556	0.0591	0.0500	0.0500	111	118	76-130	6	15	
Chlorobenzene	0.0489	0.0521	0.0500	0.0500	98	104	75-120	6	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					103	107	68-139			
<i>Toluene-d8</i>					106	109	79-128			
<i>4-Bromofluorobenzene</i>					95	102	71-132			



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0529S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0473	0.0469	0.0500	0.0500	95	94	53-141	1	17	
Benzene	0.0478	0.0472	0.0500	0.0500	96	94	70-130	1	15	
Trichloroethene	0.0476	0.0467	0.0500	0.0500	95	93	74-122	2	16	
Toluene	0.0498	0.0484	0.0500	0.0500	100	97	76-130	3	15	
Chlorobenzene	0.0469	0.0460	0.0500	0.0500	94	92	75-120	2	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					97	101	68-139			
<i>Toluene-d8</i>					104	109	79-128			
<i>4-Bromofluorobenzene</i>					105	112	71-132			



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

% MOISTURE

Date Analyzed: 5-24&25-18

Client ID	Lab ID	% Moisture
FB-05-5.0-052318	05-257-02	9
FB-05-10.0-052318	05-257-03	9
FB-05-20.0-052318	05-257-05	8
FB-05-30.0-052318	05-257-07	7
FB-05-35.0-052318	05-257-08	7
FB-05-40.0-052318	05-257-09	10
FMW-18-5.0-052318	05-257-11	12
FMW-18-15.0-052318	05-257-13	9
FMW-18-25.0-052318	05-257-15	7
FMW-18-35.0-052318	05-257-17	10
FMW-18-40.0-052318	05-257-18	11
FMW-18-45.0-052318	05-257-19	13
FMW-18-50.0-052318	05-257-20	9
FB-07-15.0-052318	05-257-22	8
FB-07-25.0-052318	05-257-24	9
FB-07-35.0-052318	05-257-26	10
FB-07-40.0-052318	05-257-27	10
FB-04-7.5-052318	05-257-29	9
FB-04-15.0-052318	05-257-31	9
FB-04-25.0-052318	05-257-33	10
FB-04-30.0-052318	05-257-34	9
FB-04-35.0-052318	05-257-35	17
FB-04-40.0-052318	05-257-36	13
FB-01-7.5-052318	05-257-38	11
FB-01-10.0-052318	05-257-39	10
FB-01-15.0-052318	05-257-40	8



Date of Report: May 30, 2018
Samples Submitted: May 24, 2018
Laboratory Reference: 1805-257
Project: 1065-010

% MOISTURE

Date Analyzed: 5-24&25-18

Client ID	Lab ID	% Moisture
FB-01-25.0-052318	05-257-42	8
FB-01-35.0-052318	05-257-44	20
FB-01-40.0-052318	05-257-45	16
FB-02-5.0-052318	05-257-46	11
FB-02-7.5-052318	05-257-47	12
FB-02-15.0-052318	05-257-49	8





Data Qualifiers and Abbreviations

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





MVA OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-9881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
 (TPH analysis 5 Days)

(other) _____

Laboratory Number: ~~05 240 05-257~~

Company: **Farellon Consulting**
 Project Number: **1065-010**
 Project Name: **Masatch**
 Project Manager: **Eric Buer**
 Sampled by: **NT**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FB-08-GW-052318	5/23/18	0815	Water	7
2	FB-05-5.0-052318		1240	Soil	5
3	FB-05-10.0-052318		1310		
4	FB-05-15.0-052318		1345		
5	FB-05-20.0-052318		1325		
6	FB-05-25.0-052318		1335		
7	FB-05-30.0-052318		1340		
8	FB-05-35.0-052318		1350		
9	FB-05-40.0-052318		1400		
10	FB-07-5.0-052318		1520		

Lab ID	Date	Time	Comments/Special Instructions
1	5/23/18	0815	Water
2		1240	Soil
3		1310	
4		1345	
5		1325	
6		1335	
7		1340	
8		1350	
9		1400	
10		1520	

Analysis	1	2	3	4	5	6	7	8	9	10
NWTPH-HCID										
NWTPH-Gx/BTEX										
NWTPH-Gx	X	X	X	X	X	X	X	X	X	X
NWTPH-Dx (Acid / SG Clean-up)										
Volatiles 8260C										
Halogenated Volatiles 8260C + BTEX	X	X	X	X	X	X	X	X	X	X
EDB EPA 8011 (Waters Only)										
Semivolatiles 8270D/SIM (with low-level PAHs)										
PAHs 8270D/SIM (low-level)										
PCBs 8082A										
Organochlorine Pesticides 8081B										
Organophosphorus Pesticides 8270D/SIM										
Chlorinated Acid Herbicides 8151A										
Total RCRA Metals										
Total MTCA Metals										
TCLP Metals										
HEM (oil and grease) 1664A										
% Moisture										

Relinquished Signature: *[Signature]* Company: **Farellon** Date: **5-23-18** Time: **1425**

Received Signature: *[Signature]* Company: **OSE** Date: **5/24/18** Time: **1010**

Relinquished

Received

Relinquished

Received

Relinquished

Reviewed/Date

Reviewed/Date

Comments/Special Instructions: **Hold Samples. Eric Buer will call for analysis.**

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



OnSite Environmental Inc.

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

Chain of Custody

Turnaround Request
(in working days)
(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

(other)

Laboratory Number: ~~05 248~~ 05-257

Company: **Farellon Consulting**
Project Number: **1065-010**
Project Name: **Masatch**
Project Manager: **Eric Burr**
Sampled by: **NT**

Lab ID | Sample Identification | Date Sampled | Time Sampled | Matrix | Number of Containers

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture		
11	FMW-18-5.0-052318	5/23/18	0810	Soil	5			X	X		X													X	
12	FMW-18-10.0-052318		0815																						
13	FMW-18-15.0-052318		0825					X	X		X														X
14	FMW-18-20.0-052318		0830																						X
15	FMW-18-25.0-052318		0838					X	X		X														X
16	FMW-18-30.0-052318		0843																						X
17	FMW-18-35.0-052318		0900					X	X		X														X
18	FMW-18-40.0-052318		0920					X	X		X														X
19	FMW-18-45.0-052318		0940					X	X		X														X
20	FMW-18-50.0-052318		1005					X	X		X														X

Signature: **Farellon Burr** | Company: **Farellon** | Date: **5-23-18** | Time: **1925** | Comments/Special Instructions: **Hold Samples. Eric Burr will call for analysis. JB**

Relinquished Received
Relinquished Received
Relinquished Received
Received
Reviewed/Date

Reviewed/Date | Data Package: Standard Level III Level IV Chromatograms with final report Electronic Data Deliverables (EDDs)



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

Chain of Custody

Turnaround Request
(in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days)
(TPH analysis 5 Days)
- _____ (other)

Laboratory Number: ~~05-240~~ **05-257**

Company: **Forallon Consulting**

Project Number: **1065-D10**

Project Name: **Wasatch**

Project Manager: **Eric Buer**

Sampled by: **NT & Daniel Aguilar**

Lab ID Sample Identification

Date Sampled Time Sampled Matrix

Number of Containers

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
21	FB-07-10.0-052318	9/23/18	1530	Soil	5			X	X	X														X
22	FB-07-15.0-052318		1537					X	X	X														X
23	FB-07-20.0-052318		1540					X	X	X														X
24	FB-07-25.0-052318		1548					X	X	X														X
25	FB-07-30.0-052318		1555					X	X	X														X
26	FB-07-35.0-052318		1600					X	X	X														X
27	FB-07-40.0-052318		1610					X	X	X														X
28	FB-04-6.0-052318	9/23/18	830	Soil	5			X	X	X														X
29	FB-04-7.5-052318		840					X	X	X														X
30	FB-04-10.0-052318		850					X	X	X														X

Signature

Company

Date

Time

Comments/Special Instructions

Relinquished Signature: [Signature] Company: Forallon Date: 9/23/18 Time: 1925 Comments/Special Instructions: Hold Samples - Eric Buer will call for analysis

Received Signature: [Signature] Company: OSI Date: 9/21/18 Time: 1010

Relinquished

Received

Relinquished

Received

Relinquished

Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



Company: Farallon Consulting

Project Number: 1065-010

Project Name: Wasatch

Project Manager: Eric Buer

Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

- Same Day 1 Day
- 2 Days 3 Days
- Standard (7 Days) (TPH analysis 5 Days)
- (other) _____

Lab ID

Date Sampled

Time Sampled

Matrix

Number of Containers

Laboratory Number: ~~05-246~~ **05-257**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture	
31	FB-04-15.0-052318	5/23/18	700	Soil	5			X	X	X	X												X	
32	FB-04-20.0-052318		920					X	X															X
33	FB-04-25.0-052318		930					X	X															X
34	FB-04-30.0-052318		940					X	X															X
35	FB-04-35.0-052318		950					X	X															X
36	FB-04-40.0-052318		1000					X	X															X
37	FB-04-5.0-052318		1235					X	X															X
38	FB-01-7.5-052318		1245					X	X															X
39	FB-01-10.0-052318		1255					X	X															X
40	FB-01-15.0-052318		1300					X	X															X

Signature: [Signature] Company: Farallon Date: 5-23/18 Time: 1925 Comments/Special Instructions: See page one comments

Received: [Signature] Mattie Gibson OSF 1610

Relinquished: _____

Received: _____

Relinquished: _____

Reviewed/Date: _____

Reviewed/Date: _____

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



Onsite Environmental Inc.

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3981 • www.onsite-env.com

Chain of Custody

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

(other) _____

Laboratory Number:

~~05-240~~ **05-257**

Company: Forellon Consulting

Project Number: 1068-010

Project Name: Wastek

Project Manager: Eric Bover

Sampled by: Daniel Aguilera

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
41	FB-01-20.0-052318	5-23-18	1310	Soil	5
42	FB-01-25.0-052318		1346		
43	FB-01-30.0-052318		1405		
44	FB-01-35.0-052318		1410		
45	FB-01-40.0-052318		1425		
46	FB-02-5.0-052318		1550		
47	FB-02-7.5-052318		1600		
48	FB-02-10.0-052318		1605		
49	FB-02-15.0-052318		1610		

Method	41	42	43	44	45	46	47	48	49
NWTPH-HCID									
NWTPH-Gx/BTEX									
NWTPH-Gx	X	X							
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	X	X							
Volatiles 8260C									
Halogenated Volatiles 8260C + BTEX	X	X							
EDB EPA 8011 (Waters Only)									
Semivolatiles 8270D/SIM (with low-level PAHs)									
PAHs 8270D/SIM (low-level)									
PCBs 8082A									
Organochlorine Pesticides 8081B									
Organophosphorus Pesticides 8270D/SIM									
Chlorinated Acid Herbicides 8151A									
Total RCRA Metals									
Total MTCA Metals									
TCLP Metals									
HEM (oil and grease) 1664A									
% Moisture	X	X							X

Signature	Company	Date	Time	Comments/Special Instructions	
<i>[Signature]</i>	Forellon	5-23-18	1925	<i>See page one comments</i>	
<i>[Signature]</i>	OSE	5/21/18	1610		

Reinquinshed

Received

Reinquinshed

Received

Reinquinshed

Received

Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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

May 30, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1805-257

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on May 24, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: May 30, 2018
Samples Submitted: May 24, 2018
Laboratory Reference: 1805-257
Project: 1065-010

Case Narrative

Samples were collected on May 23, 2018 and received by the laboratory on May 24, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-20.0-052318						
Laboratory ID:	05-257-41						
Dichlorodifluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.19	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.23	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-20.0-052318						
Laboratory ID:	05-257-41						
1,1,2-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		0.014
Chlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>97</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>97</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-25.0-052318						
Laboratory ID:	05-257-42						
Dichlorodifluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.19	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.23	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-25.0-052318						
Laboratory ID:	05-257-42						
1,1,2-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		0.014
Chlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>98</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C/SIM
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-35.0-052318						
Laboratory ID:	05-257-44						
Dichlorodifluoromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.25	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		0.011
1,2-Dichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.0031	EPA 8260C/SIM	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.31	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.031	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C/SIM
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-35.0-052318						
Laboratory ID:	05-257-44						
1,1,2-Trichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		0.018
Chlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>97</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>97</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>87</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C/SIM
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-40.0-052318						
Laboratory ID:	05-257-45						
Dichlorodifluoromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.25	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		0.011
1,2-Dichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.0031	EPA 8260C/SIM	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.31	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.031	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C/SIM
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-01-40.0-052318						
Laboratory ID:	05-257-45						
1,1,2-Trichloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		0.018
Chlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.062	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.031	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.062	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.062	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.031	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>93</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-02-5.0-052318						
Laboratory ID:	05-257-46						
Dichlorodifluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.046	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.046	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.046	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.046	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.18	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.23	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.046	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-02-5.0-052318						
Laboratory ID:	05-257-46						
1,1,2-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		0.013
Chlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.046	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.046	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.046	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.046	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.046	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>95</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>99</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-02-7.5-052318						
Laboratory ID:	05-257-47						
Dichlorodifluoromethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.053	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.053	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.053	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.053	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.21	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloroethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.26	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.053	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.026	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-02-7.5-052318						
Laboratory ID:	05-257-47						
1,1,2-Trichloroethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		0.015
Chlorobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.053	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.053	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.053	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.026	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.053	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.053	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.026	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>98</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>97</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-02-15.0-052318						
Laboratory ID:	05-257-49						
Dichlorodifluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloromethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Vinyl Chloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromomethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Chloroethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Trichlorofluoromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Iodomethane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Methylene Chloride	ND	0.19	EPA 8260C	5-25-18	5-31-18		
(trans) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
(cis) 1,2-Dichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Chloroform	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Carbon Tetrachloride	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Benzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Trichloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromomethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Bromodichloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chloroethyl Vinyl Ether	ND	0.23	EPA 8260C	5-25-18	5-31-18		
(cis) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Toluene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
(trans) 1,3-Dichloropropene	ND	0.023	EPA 8260C	5-25-18	5-31-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Client ID:	FB-02-15.0-052318						
Laboratory ID:	05-257-49						
1,1,2-Trichloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Tetrachloroethene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Dibromochloromethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromoethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		0.014
Chlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,1,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Ethylbenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
m,p-Xylene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
o-Xylene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Bromoform	ND	0.047	EPA 8260C	5-25-18	5-31-18		
Bromobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,1,2,2-Tetrachloroethane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichloropropane	ND	0.023	EPA 8260C	5-25-18	5-31-18		
2-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
4-Chlorotoluene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,3-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,4-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
1,2-Dibromo-3-chloropropane	ND	0.047	EPA 8260C	5-25-18	5-31-18		
1,2,4-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
Hexachlorobutadiene	ND	0.047	EPA 8260C	5-25-18	5-31-18		
1,2,3-Trichlorobenzene	ND	0.023	EPA 8260C	5-25-18	5-31-18		
<i>Surrogate:</i>	<i>Percent Recovery Control Limits</i>						
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

**VOLATILES EPA 8260C/SIM
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Laboratory ID:	MB0525S4						
Dichlorodifluoromethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Chloromethane	ND	0.050	EPA 8260C	5-25-18	6-1-18		
Vinyl Chloride	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Bromomethane	ND	0.050	EPA 8260C	5-25-18	6-1-18		
Chloroethane	ND	0.050	EPA 8260C	5-25-18	6-1-18		
Trichlorofluoromethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,1-Dichloroethene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Iodomethane	ND	0.065	EPA 8260C	5-25-18	6-1-18		
Methylene Chloride	ND	0.20	EPA 8260C	5-25-18	6-1-18		
(trans) 1,2-Dichloroethene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,1-Dichloroethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
2,2-Dichloropropane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
(cis) 1,2-Dichloroethene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Bromochloromethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Chloroform	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,1,1-Trichloroethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Carbon Tetrachloride	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,1-Dichloropropene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Benzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		0.0090
1,2-Dichloroethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Trichloroethene	ND	0.0025	EPA 8260C/SIM	5-25-18	6-1-18		
1,2-Dichloropropane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Dibromomethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Bromodichloromethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
2-Chloroethyl Vinyl Ether	ND	0.25	EPA 8260C	5-25-18	6-1-18		
(cis) 1,3-Dichloropropene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Toluene	ND	0.050	EPA 8260C	5-25-18	6-1-18		
(trans) 1,3-Dichloropropene	ND	0.025	EPA 8260C	5-25-18	6-1-18		



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

VOLATILES EPA 8260C/SIM
METHOD BLANK QUALITY CONTROL
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags	MDL
Laboratory ID:		MB0525S4					
1,1,2-Trichloroethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Tetrachloroethene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,3-Dichloropropane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Dibromochloromethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,2-Dibromoethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		0.015
Chlorobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,1,1,2-Tetrachloroethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Ethylbenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
m,p-Xylene	ND	0.050	EPA 8260C	5-25-18	6-1-18		
o-Xylene	ND	0.050	EPA 8260C	5-25-18	6-1-18		
Bromoform	ND	0.050	EPA 8260C	5-25-18	6-1-18		
Bromobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,1,2,2-Tetrachloroethane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,2,3-Trichloropropane	ND	0.025	EPA 8260C	5-25-18	6-1-18		
2-Chlorotoluene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
4-Chlorotoluene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,3-Dichlorobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,4-Dichlorobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,2-Dichlorobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
1,2-Dibromo-3-chloropropane	ND	0.050	EPA 8260C	5-25-18	6-1-18		
1,2,4-Trichlorobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
Hexachlorobutadiene	ND	0.050	EPA 8260C	5-25-18	6-1-18		
1,2,3-Trichlorobenzene	ND	0.025	EPA 8260C	5-25-18	6-1-18		
<i>Surrogate:</i>		<i>Percent Recovery Control Limits</i>					
<i>Dibromofluoromethane</i>	<i>98</i>	<i>68-139</i>					
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>					
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-132</i>					



Date of Report: May 30, 2018
 Samples Submitted: May 24, 2018
 Laboratory Reference: 1805-257
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result		Spike Level		Source	Percent	Recovery	RPD		Flags
	SB	SBD	SB	SBD	Result	Recovery	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0525S1									
Benzene	1.14	1.16	1.00	1.00	114	116	70-130	2	10	
Toluene	1.13	1.08	1.00	1.00	113	108	76-130	5	11	
Ethyl Benzene	1.18	1.14	1.00	1.00	118	114	75-125	3	10	
m,p-Xylene	1.14	1.14	1.00	1.00	114	114	75-125	0	10	
o-Xylene	1.11	1.10	1.00	1.00	111	110	75-125	1	10	
<i>Surrogate:</i>										
Dibromofluoromethane					98	97	68-139			
Toluene-d8					100	99	79-128			
4-Bromofluorobenzene					102	101	71-132			





Data Qualifiers and Abbreviations

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





MVA OnSite Environmental Inc.
 Analytical Laboratory Testing Services
 14648 NE 95th Street • Redmond, WA 98052
 Phone: (425) 883-9881 • www.onsite-env.com

Chain of Custody

Turnaround Request
 (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
 (TPH analysis 5 Days)

(other) _____

Laboratory Number: ~~05 240 05-257~~

Company: **Farellon Consulting**
 Project Number: **1065-010**
 Project Name: **Masatch**
 Project Manager: **Eric Buer**
 Sampled by: **NT**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FB-08-GW-052318	5/23/18	0815	Water	7
2	FB-05-5.0-052318		1240	Soil	5
3	FB-05-10.0-052318		1310		
4	FB-05-15.0-052318		1345		
5	FB-05-20.0-052318		1325		
6	FB-05-25.0-052318		1335		
7	FB-05-30.0-052318		1340		
8	FB-05-35.0-052318		1350		
9	FB-05-40.0-052318		1400		
10	FB-07-5.0-052318		1520		

Lab ID	Date	Time	Comments/Special Instructions
1	5/23/18	0815	
2	5/23/18	1240	
3	5/23/18	1310	
4	5/23/18	1345	
5	5/23/18	1325	
6	5/23/18	1335	
7	5/23/18	1340	
8	5/23/18	1350	
9	5/23/18	1400	
10	5/23/18	1520	

Analysis	1	2	3	4	5	6	7	8	9	10
NWTPH-HCID										
NWTPH-Gx/BTEX										
NWTPH-Gx	X	X	X	X	X	X	X	X	X	X
NWTPH-Dx (Acid / SG Clean-up)										
Volatiles 8260C										
Halogenated Volatiles 8260C + BTEX	X	X	X	X	X	X	X	X	X	X
EDB EPA 8011 (Waters Only)										
Semivolatiles 8270D/SIM (with low-level PAHs)										
PAHs 8270D/SIM (low-level)										
PCBs 8082A										
Organochlorine Pesticides 8081B										
Organophosphorus Pesticides 8270D/SIM										
Chlorinated Acid Herbicides 8151A										
Total RCRA Metals										
Total MTCA Metals										
TCLP Metals										
HEM (oil and grease) 1664A										
% Moisture										

Relinquished Signature: *[Signature]* Company: **Farellon** Date: **5/23/18** Time: **1425**

Received Signature: *[Signature]* Company: **OSE** Date: **5/24/18** Time: **1010**

Relinquished

Received

Relinquished

Received

Relinquished

Reviewed/Date

Reviewed/Date

Comments/Special Instructions: **Hold Samples. Eric Buer will call for analysis.**

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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

Chain of Custody

Turnaround Request
(in working days)
(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

(other)

Laboratory Number: ~~05-248~~ **05-257**

Company: Farellon Consulting
Project Number: 1065-010
Project Name: Wasatch
Project Manager: Eric Burr
Sampled by: NT

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
11	FMW-18-5.0-052318	5/23/18	0810	Soil
12	FMW-18-10.0-052318		0815	
13	FMW-18-15.0-052318		0825	
14	FMW-18-20.0-052318		0830	
15	FMW-18-25.0-052318		0838	
16	FMW-18-30.0-052318		0843	
17	FMW-18-35.0-052318		0900	
18	FMW-18-40.0-052318		0920	
19	FMW-18-45.0-052318		0940	
20	FMW-18-50.0-052318		1005	

Number of Containers

Sample ID	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
11			X	X		X												X
12																		
13			X	X		X												X
14																		
15			X	X		X												X
16																		
17			X	X		X												X
18			X	X		X												X
19			X	X		X												X
20			X	X		X												X

Signature: Farellon Consulting

Company: Farellon

Date: 5-23-18 Time: 1925

Comments/Special Instructions: Hold Samples. Eric Burr will call for analysis. JB

Relinquished
Received
Relinquished
Received
Relinquished
Received
Reviewed/Date

Signature: Eric Burr
Company: OSE
Reviewed/Date

Date: 5-23-18 Time: 1010

Data Package: Standard Level III Level IV
Chromatograms with final report Electronic Data Deliverables (EDDs)



MVA Onsite Environmental Inc.

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

Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 5 Days

Standard (7 Days)
(TPH analysis 5 Days)

(other) _____

Laboratory Number: ~~05-240~~ 05-257

Company: **Forallon Consulting**

Project Number: **1065-010**

Project Name: **Masateh**

Project Manager: **Eric Buer**

Sampled by: **NT & Daniel Aguilar**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
01	FB-07-10.0-052318	9/23/18	1530	Soil	5
02	FB-07-15.0-052318		1537		
03	FB-07-20.0-052318		1540		
04	FB-07-25.0-052318		1548		
05	FB-07-30.0-052318		1555		
06	FB-07-35.0-052318		1600		
07	FB-07-40.0-052318		1610		
08	FB-04-G.O-052318	9/23/18	830	Soil	5
09	FB-04-7.5-052318		840		
30	FB-04-10.0-052318		850		

Parameter	01	02	03	04	05	06	07	08	09	30
NWTPH-HCID										
NWTPH-Gx/BTEX										
NWTPH-Gx	X	X	X	X	X	X	X	X	X	X
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)										
Volatiles 8260C										
Halogenated Volatiles 8260C + BTEX										
EDB EPA 8011 (Waters Only)										
Semivolatiles 8270D/SIM (with low-level PAHs)										
PAHs 8270D/SIM (low-level)										
PCBs 8082A										
Organochlorine Pesticides 8081B										
Organophosphorus Pesticides 8270D/SIM										
Chlorinated Acid Herbicides 8151A										
Total RCRA Metals										
Total MTCA Metals										
TCLP Metals										
HEM (oil and grease) 1664A										
% Moisture										X

Signature: *[Handwritten Signature]*

Company: **Forallon**

Date: **9/23/18**

Time: **1530**

Matrix: **Soil**

Number of Containers: **5**

Date: **5-23-18**

Time: **1925**

Comments/Special Instructions: **Hold samples - Eric Buer will call for analysis**

Relinquished

Received

Relinquished

Received

Relinquished

Received

Relinquished

Received

Reviewed/Date

Reviewed/Date

Data Package: Standard Level III Level IV

Chromatograms with final report Electronic Data Deliverables (EDDs)



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

Chain of Custody

Turnaround Request
(in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

(other) _____

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	X
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	X
Volatiles 8260C	
Halogenated Volatiles 8260C	X
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
% Moisture	X

Laboratory Number: ~~05-246~~ **05-257**

Company: Farallon Consulting
 Project Number: 1065-010
 Project Name: Wasatch
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix
31	FB-04-15.0-052318	5/23/18	700	Soil
32	FB-04-20.0-052318		920	
33	FB-04-25.0-052318		930	
34	FB-04-30.0-052318		940	
35	FB-04-35.0-052318		950	
36	FB-04-40.0-052318		1000	
37	FB-04-5.0-052318		1235	
38	FB-01-7.5-052318		1245	
39	FB-01-10.0-052318		1255	
40	FB-01-15.0-052318		1300	

Signature: [Signature]
 Company: Farallon
 Date: 5/23/18
 Time: 700
 Matrix: Soil
 Number of Containers: 5

Date	Time	Comments/Special Instructions
5-23/18	1925	<u>See page one comments</u>
5/24/18	1610	

Received	Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Received	Relinquished	<u>[Signature]</u>	<u>Farallon</u>	<u>5-23/18</u>	<u>1925</u>	<u>See page one comments</u>
Received	Relinquished	<u>[Signature]</u>	<u>OSF</u>	<u>5/24/18</u>	<u>1610</u>	
Received	Relinquished					
Received	Relinquished					
Received	Relinquished					

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



**MVA Onsite
Environmental Inc.**

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

Chain of Custody

Company: Forellon Consulting
 Project Number: 1068-010
 Project Name: Wasatch
 Project Manager: Eric Brewer
 Sampled by: Daniel Aguilera

Lab ID _____ Sample Identification _____

Turnaround Request
(in working days)

- (Check One)
- Same Day 1 Day
 2 Days 3 Days
 Standard (7 Days)
 TPH analysis (5 Days)
 _____ (other)

Date Sampled	Time Sampled	Matrix	Number of Containers
5-23-18	1310	Soil	5
5-23-18	1346		
5-23-18	1405		
5-23-18	1410		
5-23-18	1435		
5-23-18	1550		
5-23-18	1605		
5-23-18	1610		

Laboratory Number:		05-240 05-257	
NWTPH-HCID			
NWTPH-Gx/BTEX			
NWTPH-Gx	X	X	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	X	X	
Volatiles 8260C			
Halogenated Volatiles 8260C	X	X	+ BTEX
EDB EPA 8011 (Waters Only)			
Semivolatiles 8270D/SIM (with low-level PAHs)			
PAHs 8270D/SIM (low-level)			
PCBs 8082A			
Organochlorine Pesticides 8081B			
Organophosphorus Pesticides 8270D/SIM			
Chlorinated Acid Herbicides 8151A			
Total RCRA Metals			
Total MTCA Metals			
TCLP Metals			
HEM (oil and grease) 1664A			
% Moisture	X	X	X

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
41	FB-01-20.0-052318	5-23-18	1310	Soil	5
42	FB-01-25.0-052318	5-23-18	1346		
43	FB-01-30.0-052318	5-23-18	1405		
44	FB-01-35.0-052318	5-23-18	1410		
45	FB-01-40.0-052318	5-23-18	1435		
46	FB-02-5.0-052318	5-23-18	1550		
47	FB-02-7.5-052318	5-23-18	1600		
48	FB-02-10.0-052318	5-23-18	1605		
49	FB-02-15.0-052318	5-23-18	1610		

Signature	Company	Date	Time	Comments/Special Instructions
[Signature]	Forellon	5-23-18	1925	See Page one comments
[Signature]	OSI	5/24/18	1610	

Data Package: Standard Level III Level IV
 Chromatograms with final report Electronic Data Deliverables (EDDs)



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

May 31, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1805-268

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on May 25, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: May 31, 2018
Samples Submitted: May 25, 2018
Laboratory Reference: 1805-268
Project: 1065-010

Case Narrative

Samples were collected on May 24, 2018 and received by the laboratory on May 25, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-25.0-052418					
Laboratory ID:	05-268-02					
Gasoline	ND	4.5	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	57-129				
Client ID:	FB-02-30.0-052418					
Laboratory ID:	05-268-03					
Gasoline	ND	5.4	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				
Client ID:	FB-02-40.0-052418					
Laboratory ID:	05-268-05					
Gasoline	ND	6.4	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	92	57-129				
Client ID:	FB-03-10.0-052418					
Laboratory ID:	05-268-07					
Gasoline	ND	5.0	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	57-129				
Client ID:	FB-03-15.0-052418					
Laboratory ID:	05-268-08					
Gasoline	ND	5.9	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	57-129				
Client ID:	FB-03-25.0-052418					
Laboratory ID:	05-268-10					
Gasoline	ND	4.1	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	57-129				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-35.0-052418					
Laboratory ID:	05-268-12					
Gasoline	ND	4.2	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>84</i>	<i>57-129</i>				
Client ID:	FB-03-40.0-052418					
Laboratory ID:	05-268-13					
Gasoline	ND	3.9	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	<i>84</i>	<i>57-129</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S1					
Gasoline	ND	5.0	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-268-02							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				88	90	57-129		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-052418					
Laboratory ID:	05-268-14					
Gasoline	ND	100	NWTPH-Gx	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	66-117				
Client ID:	FMW-18-052418					
Laboratory ID:	05-268-15					
Gasoline	ND	100	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	66-117				
Client ID:	FMW-14-052418					
Laboratory ID:	05-268-16					
Gasoline	ND	100	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	66-117				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529W2					
Gasoline	ND	100	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	66-117				
Laboratory ID:	MB0530W1					
Gasoline	ND	100	NWTPH-Gx	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	83	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-248-04							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	30	
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				83	83	66-117		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-25.0-052418					
Laboratory ID:	05-268-02					
Diesel Range Organics	ND	28	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				
Client ID:	FB-02-30.0-052418					
Laboratory ID:	05-268-03					
Diesel Range Organics	ND	26	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	90	50-150				
Client ID:	FB-02-40.0-052418					
Laboratory ID:	05-268-05					
Diesel Range Organics	ND	31	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	61	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				
Client ID:	FB-03-10.0-052418					
Laboratory ID:	05-268-07					
Diesel Range Organics	ND	28	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	100	50-150				
Client ID:	FB-03-15.0-052418					
Laboratory ID:	05-268-08					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FB-03-25.0-052418					
Laboratory ID:	05-268-10					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-35.0-052418					
Laboratory ID:	05-268-12					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	109	50-150				
Client ID:	FB-03-40.0-052418					
Laboratory ID:	05-268-13					
Diesel Range Organics	ND	27	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-268-05							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				104	107	50-150		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-052418					
Laboratory ID:	05-268-14					
Diesel Range Organics	ND	0.26	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				
Client ID:	FMW-18-052418					
Laboratory ID:	05-268-15					
Diesel Range Organics	ND	0.26	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	99	50-150				
Client ID:	FMW-14-052418					
Laboratory ID:	05-268-16					
Diesel Range Organics	ND	0.26	NWTPH-Dx	5-25-18	5-29-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	5-25-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0525W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	5-25-18	5-25-18	
Lube Oil	ND	0.40	NWTPH-Dx	5-25-18	5-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-246-01							
	ORIG	DUP						
Diesel Range Organics	1.06	0.920	NA	NA	NA	NA	14	NA
Lube Oil Range Organics	0.805	0.600	NA	NA	NA	NA	29	NA N1
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				98	92	50-150		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-25.0-052418					
Laboratory ID:	05-268-02					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-25.0-052418					
Laboratory ID:	05-268-02					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0023	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0058	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>121</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>111</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-30.0-052418					
Laboratory ID:	05-268-03					
Dichlorodifluoromethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-30.0-052418					
Laboratory ID:	05-268-03					
1,1,2-Trichloroethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0018	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0045	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00090	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>103</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>122</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>123</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-40.0-052418					
Laboratory ID:	05-268-05					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-02-40.0-052418					
Laboratory ID:	05-268-05					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0022	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0054	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>95</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>111</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-10.0-052418					
Laboratory ID:	05-268-07					
Dichlorodifluoromethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-10.0-052418					
Laboratory ID:	05-268-07					
1,1,2-Trichloroethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0042	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00084	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>107</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>116</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>120</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-15.0-052418					
Laboratory ID:	05-268-08					
Dichlorodifluoromethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-15.0-052418					
Laboratory ID:	05-268-08					
1,1,2-Trichloroethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00081	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-25.0-052418					
Laboratory ID:	05-268-10					
Dichlorodifluoromethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	0.00095	0.00087	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-25.0-052418					
Laboratory ID:	05-268-10					
1,1,2-Trichloroethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0043	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00087	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>102</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-35.0-052418					
Laboratory ID:	05-268-12					
Dichlorodifluoromethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-35.0-052418					
Laboratory ID:	05-268-12					
1,1,2-Trichloroethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0037	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00075	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>92</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-40.0-052418					
Laboratory ID:	05-268-13					
Dichlorodifluoromethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-03-40.0-052418					
Laboratory ID:	05-268-13					
1,1,2-Trichloroethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0017	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0041	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.00083	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>97</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>106</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>107</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0530S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Chloromethane	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Bromomethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Chloroethane	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Iodomethane	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Chloroform	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Benzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Toluene	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0530S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-30-18	5-30-18	
o-Xylene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Bromoform	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-30-18	5-30-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-30-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>116</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>116</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0530S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0470	0.0475	0.0500	0.0500	94	95	53-141	1	17	
Benzene	0.0478	0.0479	0.0500	0.0500	96	96	70-130	0	15	
Trichloroethene	0.0487	0.0488	0.0500	0.0500	97	98	74-122	0	16	
Toluene	0.0525	0.0512	0.0500	0.0500	105	102	76-130	3	15	
Chlorobenzene	0.0488	0.0467	0.0500	0.0500	98	93	75-120	4	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					<i>104</i>	<i>87</i>	<i>68-139</i>			
<i>Toluene-d8</i>					<i>118</i>	<i>96</i>	<i>79-128</i>			
<i>4-Bromofluorobenzene</i>					<i>121</i>	<i>96</i>	<i>71-132</i>			



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-052418					
Laboratory ID:	05-268-14					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	0.38	0.20	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.26	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	1.7	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	18	0.20	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Benzene	0.78	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	0.24	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-17-052418					
Laboratory ID:	05-268-14					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	0.79	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>99</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-052418					
Laboratory ID:	05-268-15					
Dichlorodifluoromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	5.0	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	80	1.0	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	1.3	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	5.0	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	8.5	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	5.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	1.5	1.0	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	190	1.0	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Benzene	3.1	1.0	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	5.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	5.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	1.0	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-18-052418					
Laboratory ID:	05-268-15					
1,1,2-Trichloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	2.0	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	5.0	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	5.0	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	5.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>107</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-125</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-052418					
Laboratory ID:	05-268-16					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.26	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	1.7	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloroform	0.81	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-14-052418					
Laboratory ID:	05-268-16					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	3.6	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-125</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.26	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	1.7	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0529W1				
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-268
 Project: 1065-010

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0529W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.7	11.0	10.0	10.0	107	110	62-129	3	15	
Benzene	10.6	10.8	10.0	10.0	106	108	77-127	2	15	
Trichloroethene	10.6	10.7	10.0	10.0	106	107	70-120	1	15	
Toluene	10.7	10.9	10.0	10.0	107	109	82-123	2	15	
Chlorobenzene	9.88	10.2	10.0	10.0	99	102	79-120	3	15	
<i>Surrogate:</i>										
Dibromofluoromethane					101	105	75-127			
Toluene-d8					100	100	80-127			
4-Bromofluorobenzene					96	98	78-125			



Date of Report: May 31, 2018
Samples Submitted: May 25, 2018
Laboratory Reference: 1805-268
Project: 1065-010

% MOISTURE

Date Analyzed: 5-25-18

Client ID	Lab ID	% Moisture
FB-02-25.0-052418	05-268-02	10
FB-02-30.0-052418	05-268-03	5
FB-02-40.0-052418	05-268-05	18
FB-03-10.0-052418	05-268-07	12
FB-03-15.0-052418	05-268-08	9
FB-03-25.0-052418	05-268-10	8
FB-03-35.0-052418	05-268-12	6
FB-03-40.0-052418	05-268-13	6





Data Qualifiers and Abbreviations

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



Chain of Custody

Laboratory Number: **05-268**

Company: Farallon Consulting
Project Number: 1065-010
Project Name: Wasatch
Project Manager: Eric Buer
Sampled by: Daniel Aguirre

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FB-02-22.0-052418	5-24-18	820	Soil	5
2	FB-02-25.0-052418		1200		
3	FB-02-30.0-052418		1210		
4	FB-02-35.0-052418		1215		
5	FB-02-40.0-052418		1225		
6	FB-03-5.0-052418		1455		
7	FB-03-10.0-052418		1505		
8	FB-03-15.0-052418		1515		
9	FB-03-20.0-052418		1520		
10	FB-03-25.0-052418		1540		

NWTPH-HOID	NWTPH-GXBTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8061B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
		(X)	(X)		(X)												(X)
		(X)	(X)		(X)												(X)
																(X)	
		(X)	(X)		(X)												(X)
		(X)	(X)		(X)												(X)
																(X)	
		(X)	(X)		(X)												(X)

Signature	Company	Date	Time	Comments/Special Instructions
	Farallon	5-24-18	1900	(X) Added 5/25/18 BC 3 day TA
	OnSite	5/25/18	1045	
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Received				
Reviewed/Date	Reviewed/Date	Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>		
		Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>		

Chain of Custody

Company: Farallon Consulting
 Project Number: 1065-2010
 Project Name: Wasatch
 Project Manager: Eric Buer
 Sampled by: Daniel Aguilar

Turnaround Request (in working days)

(Check One)

Same Day 1 Day

2 Days 3 Days

Standard (7 Days)
(TPH analysis 5 Days)

_____ (other)

Laboratory Number: **05-268**

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPh-HClD	NWTPh-Gx/BTEX	NWTPh-Gx	NWTPh-Dx (Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C + BTEX	EDB EPA 8011 (Waters Only)	SemiVolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	Hold	% Moisture	
11	FB-03-30.0-052418	5-24-18	1550	Soil	5																				
12	FB-03-35.0-052418		1605	↓	↓			(X)	(X)	(X)															(X)
13	FB-03-40.0-052418		1615	↓	↓			(X)	(X)	(X)															(X)
14	FMW-17-052418		1415	Water	7			(X)	(X)	(X)															
15	FMW-18-052418		1530	↓	↓			(X)	(X)	(X)															
16	FMW-14-052418		1634	↓	↓			(X)	(X)	(X)															

	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished	<u>[Signature]</u>	Farallon	5-24-18	1900	• PM will contact OnSite with analyses
Received	<u>[Signature]</u>	ORE	5/25/18	1645	
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date		Reviewed/Date			Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/> Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>



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

May 31, 2018

Eric Buer
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 1065-010
Laboratory Reference No. 1805-278

Dear Eric:

Enclosed are the analytical results and associated quality control data for samples submitted on May 25, 2018.

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

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

Sincerely,

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

David Baumeister
Project Manager

Enclosures



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

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

Date of Report: May 31, 2018
Samples Submitted: May 25, 2018
Laboratory Reference: 1805-278
Project: 1065-010

Case Narrative

Samples were collected on May 25, 2018 and received by the laboratory on May 25, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

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

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



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-7.5-052518					
Laboratory ID:	05-278-02					
Gasoline	ND	4.3	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FB-06-10.0-052518					
Laboratory ID:	05-278-03					
Gasoline	ND	4.2	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	90	57-129				
Client ID:	FB-06-20.0-052518					
Laboratory ID:	05-278-05					
Gasoline	ND	4.6	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	57-129				
Client ID:	FB-06-22.5-052518					
Laboratory ID:	05-278-06					
Gasoline	ND	4.7	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	84	57-129				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S2					
Gasoline	ND	5.0	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	85	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-268-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				83	85	57-129		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

NWTPH-Gx

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-GW-052518					
Laboratory ID:	05-278-07					
Gasoline	ND	100	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	66-117				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Water
 Units: ug/L (ppb)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529W2					
Gasoline	ND	100	NWTPH-Gx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	82	66-117				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-248-04							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
<i>Surrogate:</i>								
<i>Fluorobenzene</i>				83	83	66-117		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-7.5-052518					
Laboratory ID:	05-278-02					
Diesel Range Organics	ND	27	NWTPH-Dx	5-29-18	5-30-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-29-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FB-06-10.0-052518					
Laboratory ID:	05-278-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-29-18	5-30-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-29-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				
Client ID:	FB-06-20.0-052518					
Laboratory ID:	05-278-05					
Diesel Range Organics	ND	28	NWTPH-Dx	5-29-18	5-30-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-29-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				
Client ID:	FB-06-22.5-052518					
Laboratory ID:	05-278-06					
Diesel Range Organics	ND	28	NWTPH-Dx	5-29-18	5-30-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-29-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-29-18	5-30-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-29-18	5-30-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-278-06							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>			103	91	50-150			



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

NWTPH-Dx

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-GW-052518					
Laboratory ID:	05-278-07					
Diesel Range Organics	ND	0.26	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0529W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	5-29-18	5-29-18	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-278-07							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				96	80	50-150		



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-7.5-052518					
Laboratory ID:	05-278-02					
Dichlorodifluoromethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-7.5-052518					
Laboratory ID:	05-278-02					
1,1,2-Trichloroethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00077	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>93</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-10.0-052518					
Laboratory ID:	05-278-03					
Dichlorodifluoromethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-10.0-052518					
Laboratory ID:	05-278-03					
1,1,2-Trichloroethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0015	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0038	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00076	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>89</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>100</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-20.0-052518					
Laboratory ID:	05-278-05					
Dichlorodifluoromethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-20.0-052518					
Laboratory ID:	05-278-05					
1,1,2-Trichloroethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0039	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00079	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>91</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>103</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-22.5-052518					
Laboratory ID:	05-278-06					
Dichlorodifluoromethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	0.0036	0.00080	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	0.013	0.00080	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0051	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-22.5-052518					
Laboratory ID:	05-278-06					
1,1,2-Trichloroethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	0.022	0.00080	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0016	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0040	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.00080	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>94</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>104</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>104</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	0.0064	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

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

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0529S1				
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.0020	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>99</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>110</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>112</i>	<i>71-132</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

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

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
SPIKE BLANKS										
Laboratory ID:	SB0529S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0473	0.0469	0.0500	0.0500	95	94	53-141	1	17	
Benzene	0.0478	0.0472	0.0500	0.0500	96	94	70-130	1	15	
Trichloroethene	0.0476	0.0467	0.0500	0.0500	95	93	74-122	2	16	
Toluene	0.0498	0.0484	0.0500	0.0500	100	97	76-130	3	15	
Chlorobenzene	0.0469	0.0460	0.0500	0.0500	94	92	75-120	2	14	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					97	101	68-139			
<i>Toluene-d8</i>					104	109	79-128			
<i>4-Bromofluorobenzene</i>					105	112	71-132			



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 1 of 2

Matrix: Water
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-GW-052518					
Laboratory ID:	05-278-07					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	0.91	0.20	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.26	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	1.7	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	6.1	0.20	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	0.90	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

VOLATILES EPA 8260C
 Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FB-06-GW-052518					
Laboratory ID:	05-278-07					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	0.35	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>98</i>	<i>78-125</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0529W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloromethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Vinyl Chloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromomethane	ND	0.26	EPA 8260C	5-29-18	5-29-18	
Chloroethane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Trichlorofluoromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Iodomethane	ND	1.7	EPA 8260C	5-29-18	5-29-18	
Methylene Chloride	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chloroform	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Carbon Tetrachloride	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Benzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Trichloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromomethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromodichloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Toluene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	5-29-18	5-29-18	



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

**VOLATILES EPA 8260C
 METHOD BLANK QUALITY CONTROL**

Page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:		MB0529W1				
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Tetrachloroethene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Dibromochloromethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromoethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Chlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Ethylbenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
m,p-Xylene	ND	0.40	EPA 8260C	5-29-18	5-29-18	
o-Xylene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Bromoform	ND	1.0	EPA 8260C	5-29-18	5-29-18	
Bromobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	5-29-18	5-29-18	
2-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
4-Chlorotoluene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
Hexachlorobutadiene	ND	1.0	EPA 8260C	5-29-18	5-29-18	
1,2,3-Trichlorobenzene	ND	0.20	EPA 8260C	5-29-18	5-29-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>105</i>	<i>75-127</i>				
<i>Toluene-d8</i>	<i>103</i>	<i>80-127</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>78-125</i>				



Date of Report: May 31, 2018
 Samples Submitted: May 25, 2018
 Laboratory Reference: 1805-278
 Project: 1065-010

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

Matrix: Water
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD		Flags
					SB	SBD	Limits	RPD	Limit	
SPIKE BLANKS										
Laboratory ID:	SB0529W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	10.7	11.0	10.0	10.0	107	110	62-129	3	15	
Benzene	10.6	10.8	10.0	10.0	106	108	77-127	2	15	
Trichloroethene	10.6	10.7	10.0	10.0	106	107	70-120	1	15	
Toluene	10.7	10.9	10.0	10.0	107	109	82-123	2	15	
Chlorobenzene	9.88	10.2	10.0	10.0	99	102	79-120	3	15	
<i>Surrogate:</i>										
Dibromofluoromethane					101	105	75-127			
Toluene-d8					100	100	80-127			
4-Bromofluorobenzene					96	98	78-125			



Date of Report: May 31, 2018
Samples Submitted: May 25, 2018
Laboratory Reference: 1805-278
Project: 1065-010

% MOISTURE

Date Analyzed: 5-29-18

Client ID	Lab ID	% Moisture
FB-06-7.5-052518	05-278-02	9
FB-06-10.0-052518	05-278-03	10
FB-06-20.0-052518	05-278-05	12
FB-06-22.5-052518	05-278-06	9





Data Qualifiers and Abbreviations

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



APPENDIX B

Boring and Well Construction Logs

Coarse-Grained Soils - More than 50% ¹ Retained on No. 200 Sieve	Gravels - More than 50% ¹ of Coarse Fraction Retained on No. 4 Sieve	≤5% Fines	GW	Well-graded GRAVEL Well-graded GRAVEL WITH SAND
		≥15% Fines	GP	Poorly-graded GRAVEL Poorly-graded GRAVEL WITH SAND
	Sands - 50% ¹ or More of Coarse Fraction Passes No. 4 Sieve	≤5% Fines	GM	SILTY GRAVEL SILTY GRAVEL WITH SAND
		≥15% Fines	GC	CLAYEY GRAVEL CLAYEY GRAVEL WITH SAND
Fine-Grained Soils - 50% ¹ or More Passes No. 200 Sieve	Sands - 50% ¹ or More of Coarse Fraction Passes No. 4 Sieve	≤5% Fines	SW	Well-graded SAND Well-graded SAND WITH GRAVEL
		≥15% Fines	SP	Poorly-graded SAND Poorly-graded SAND WITH GRAVEL
	Silt and Clays Liquid Limit Less than 50%	≤5% Fines	SM	SILTY SAND SILTY SAND WITH GRAVEL
		≥15% Fines	SC	CLAYEY SAND CLAYEY SAND WITH GRAVEL
Highly Organic Soils	Silt and Clays Liquid Limit 50% or More	ML	SILT SANDY or GRAVELLY SILT SILT WITH SAND SILT WITH GRAVEL	
		CL	LEAN CLAY SANDY or GRAVELLY LEAN CLAY LEAN CLAY WITH SAND LEAN CLAY WITH GRAVEL	
	Silt and Clays Liquid Limit 50% or More	OL	ORGANIC SILT SANDY or GRAVELLY ORGANIC SILT ORGANIC SILT WITH SAND ORGANIC SILT WITH GRAVEL	
		MH	ELASTIC SILT SANDY or GRAVELLY ELASTIC SILT ELASTIC SILT WITH SAND ELASTIC SILT WITH GRAVEL	
Silt and Clays Liquid Limit 50% or More	CH	FAT CLAY SANDY or GRAVELLY FAT CLAY FAT CLAY WITH SAND FAT CLAY WITH GRAVEL		
	OH	ORGANIC CLAY SANDY or GRAVELLY ORGANIC CLAY ORGANIC CLAY WITH SAND ORGANIC CLAY WITH GRAVEL		
Highly Organic Soils	PT	PEAT and other mostly organic soils		

"WITH SILT" or "WITH CLAY" means 5 to 15% silt and clay, denoted by a "-" in the group name; e.g., SP-SM • "SILTY" or "CLAYEY" means >15% silt and clay • "WITH SAND" or "WITH GRAVEL" means 15 to 30% sand and gravel. • "SANDY" or "GRAVELLY" means >30% sand and gravel. • "Well-graded" means approximately equal amounts of fine to coarse grain sizes • "Poorly graded" means unequal amounts of grain sizes • Group names separated by "/" means soil contains layers of the two soil types; e.g., SM/ML.

Soils were described and identified in the field in general accordance with the methods described in ASTM D2488. Where indicated in the log, soils were classified using ASTM D2487 or other laboratory tests as appropriate. Refer to the report accompanying these exploration logs for details.

1. Estimated or measured percentage by dry weight
2. (SPT) Standard Penetration Test (ASTM D1586)
3. Determined by SPT, DCPT (ASTM STP399) or other field methods. See report text for details.

MC	=	Natural Moisture Content	GEOTECHNICAL LAB TESTS
PS	=	Particle Size Distribution	
FC	=	Fines Content (% < 0.075 mm)	
GH	=	Hydrometer Test	
AL	=	Atterberg Limits	
C	=	Consolidation Test	
Str	=	Strength Test	
OC	=	Organic Content (% Loss by Ignition)	
Comp	=	Proctor Test	
K	=	Hydraulic Conductivity Test	
SG	=	Specific Gravity Test	

Organic Chemicals			CHEMICAL LAB TESTS
BTEX	=	Benzene, Toluene, Ethylbenzene, Xylenes	
TPH-Dx	=	Diesel and Oil-Range Petroleum Hydrocarbons	
TPH-G	=	Gasoline-Range Petroleum Hydrocarbons	
VOCs	=	Volatile Organic Compounds	
SVOCs	=	Semi-Volatile Organic Compounds	
PAHs	=	Polycyclic Aromatic Hydrocarbon Compounds	
PCBs	=	Polychlorinated Biphenyls	
Metals			
RCRA8	=	As, Ba, Cd, Cr, Pb, Hg, Se, Ag, (d = dissolved, t = total)	
MTCA5	=	As, Cd, Cr, Hg, Pb (d = dissolved, t = total)	
PP-13	=	Ag, As, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Tl, Zn (d=dissolved, t=total)	

PID	=	Photoionization Detector	FIELD TESTS
Sheen	=	Oil Sheen Test	
SPT ²	=	Standard Penetration Test	
NSPT	=	Non-Standard Penetration Test	
DCPT	=	Dynamic Cone Penetration Test	

Descriptive Term	Size Range and Sieve Number	COMPONENT DEFINITIONS
Boulders	= Larger than 12 inches	
Cobbles	= 3 inches to 12 inches	
Coarse Gravel	= 3 inches to 3/4 inches	
Fine Gravel	= 3/4 inches to No. 4 (4.75 mm)	
Coarse Sand	= No. 4 (4.75 mm) to No. 10 (2.00 mm)	
Medium Sand	= No. 10 (2.00 mm) to No. 40 (0.425 mm)	
Fine Sand	= No. 40 (0.425 mm) to No. 200 (0.075 mm)	
Silt and Clay	= Smaller than No. 200 (0.075 mm)	

% by Weight	Modifier	% by Weight	Modifier	ESTIMATED¹ PERCENTAGE	
<1	=	Subtrace	15 to 25 =		Little
1 to <5	=	Trace	30 to 45 =		Some
5 to 10	=	Few	>50 =		Mostly

Dry	=	Absence of moisture, dusty, dry to the touch	MOISTURE CONTENT
Slightly Moist	=	Perceptible moisture	
Moist	=	Damp but no visible water	
Very Moist	=	Water visible but not free draining	
Wet	=	Visible free water, usually from below water table	

Non-Cohesive or Coarse-Grained Soils		RELATIVE DENSITY
Density³	SPT² Blows/Foot	
Very Loose	= 0 to 4	≥ 2'
Loose	= 5 to 10	1' to 2'
Medium Dense	= 11 to 30	3" to 1'
Dense	= 31 to 50	1" to 3"
Very Dense	= > 50	< 1"

Cohesive or Fine-Grained Soils		CONSISTENCY
Consistency³	SPT² Blows/Foot	
Very Soft	= 0 to 1	Penetrated >1" easily by thumb. Extrudes between thumb & fingers.
Soft	= 2 to 4	Penetrated 1/4" to 1" easily by thumb. Easily molded.
Medium Stiff	= 5 to 8	Penetrated >1/4" with effort by thumb. Molded with strong pressure.
Stiff	= 9 to 15	Indented ~1/4" with effort by thumb.
Very Stiff	= 16 to 30	Indented easily by thumbnail.
Hard	= > 30	Indented with difficulty by thumbnail.

GEOLOGIC CONTACTS		
Observed and Distinct	Observed and Gradual	Inferred

	Exploration Log Key
---	----------------------------

AI Path: Q:\ACAD Standards\FIELD REFERENCE\MASTERS\Exploration Log Key-2018.a1 // user: jinman // last saved: 12/31/2018



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228420 (est)

AB-01

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 75

Downhole Hammer

177.8' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

5/14/2019 to 5/15/2019

NA

40' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal					ASPHALT; with base course.	
5		Backfilled with hydrated bentonite chips					FILL SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand, fine gravel, trace charcoal.	5
170				AB-01-7.5	Blows (non-SPT)=17, 50/6" PID=0.0 Sheen=Organic			
10					Blows (non-SPT)=12, 15, 19 PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown, fine to medium sand, fine gravel.	
					Blows (non-SPT)=20, 50/6" PID=0.0 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); moist, gray-brown, fine to medium sand, fine gravel.	
15				AB-01-15.0	Blows (non-SPT)=23, 50/6" PID=0.0 Sheen=None			15
					Blows (non-SPT)=50/6" PID=0.0 Sheen=None		SILTY SAND (SM); moist, gray, fine sand, trace fine gravel.	
20					Blows (non-SPT)=34, 50/4" PID=0.0 Sheen=None			20
25				AB-01-25.0	Blows (non-SPT)=29, 50/6" PID=0.0 Sheen=None			25
					Blows (non-SPT)=50/6" PID=0.0 Sheen=None		SAND WITH SILT (SP-SM); very moist to moist, gray, fine to medium sand, trace fine gravel, very moist sandy interbeds.	
30					Blows (non-SPT)=50/6" PID=0.0 Sheen=None			30
35				AB-01-35.0	Blows (non-SPT)=50/6"			35

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-01

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228420 (est)

AB-01

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 75

Downhole Hammer

177.8' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

5/14/2019 to 5/15/2019

NA

40' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
140					PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray, fine to medium sand, fine to coarse gravel. (continued)	
40		5/15/2019			Blows (non-SPT)=40, 50/6" PID=0.0 Sheen=None		Becomes wet. SANDY SILT WITH GRAVEL (ML); moist, gray; non-plastic; fine sand; fine gravel.	40
135								
45					Blows (non-SPT)=50/6" PID=0.0 Sheen=None		SILTY GRAVEL WITH SAND AND COBBLES (GM); very moist, gray to brown with some iron-oxide staining; coarse sand; fine to coarse gravel.	45
130								
50				AB-01-50.0	Blows (non-SPT)=50/6" PID=0.0 Sheen=None			50
125								
55					Blows (non-SPT)=50/6" PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to medium sand, fine gravel.	55
120								
60					Blows (non-SPT)=50/6" PID=0.0 Sheen=None		Bottom of exploration at 60.5 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	60
115								
65								
110								
70								

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-01

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228380 (est)

AB-02

Contractor
Cascade Drilling

Equipment
CME 75

Sampling Method
Downhole Hammer

Ground Surface Elev. (NAVD88)
175.2' (est)

Operator
Curtis Askew

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates
5/14/2019

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
45' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal					ASPHALT; with base course.	
5	170	Backfilled with hydrated bentonite chips		AB-02-7.5	Blows (non-SPT)=3,9,10		FILL SILTY SAND (SM); moist, brown, fine to medium sand, trace fine gravel.	5
10	165				Blows (non-SPT)=14,23,27		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); moist, brown, fine to medium sand, fine gravel, trace coarse gravel.	10
15	160				Blows (non-SPT)=15,30,30 PID=0.0 Sheen=None			15
20	155				Blows (non-SPT)=15,24,25 PID=0.0 Sheen=None			20
25	150				Blows (non-SPT)=50/6" PID=0.0 Sheen=None			25
30	145			AB-02-30.0	Blows (non-SPT)=10,20,24 PID=0.0 Sheen=None		SILTY SAND (SM); moist, gray, fine sand, trace fine gravel.	30
35	140				Blows (non-SPT)=32,50/4" PID=0.0 Sheen=None			35
					Blows (non-SPT)=24,50/4"			

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log AB-02

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228380 (est)

AB-02

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 75

Downhole Hammer

175.2' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

5/14/2019

NA

45' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135				PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray, fine sand, fine to coarse gravel. (continued)	40
45	130	▽ 5/15/2019			Blows (non-SPT)=50/6" PID=0.0 Sheen=None			45
45	130				Blows (non-SPT)=30, 50/5" PID=0.0 Sheen=None		SILTY GRAVEL WITH SAND AND COBBLES (GM); wet to moist, gray-brown to orange-brown, fine to coarse gravel, coarse sand, trace medium sand.	45
50	125				Blows (non-SPT)=50/2" PID=0.0 Sheen=None		GRAVEL WITH SAND AND COBBLES (GW); moist, brown, coarse gravel, fine to medium sand.	50
55	120				Blows (non-SPT)=50/4" PID=0.0 Sheen=None			55
60	115			AB-02-60.0	Blows (non-SPT)=27, 50/4" PID=0.0 Sheen=None		Bottom of exploration at 60.9 ft. bgs.	60
65	110						Note: No solvent-like or petroleum-like odor except where noted.	65
70	105							70

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level

▽ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-02

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1303900 N:228390 (est)

AB-03

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
171.7' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/13/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
22.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
170		Concrete surface seal					CONCRETE; with base course.	
5		Backfilled with hydrated bentonite chips		AB-03-5.0	PID=9.6 Sheen=None		FILL SILTY SAND WITH GRAVEL AND COBBLES (SM); very moist, gray; fine to medium sand, fine to coarse gravel; cobbles to 6 inch diameter. Becomes slightly moist; oxidation rinds around gravel.	5
10					PID=19.1 Sheen=Slight			
10					PID=28.7 Sheen=None			
10					PID=33.7 Sheen=None		Becomes moist.	10
15					PID=15.0 Sheen=Slight			
15					PID=20.5 Sheen=None		GLACIAL DEPOSITS SANDY SILT WITH GRAVEL (ML); dry, brown.; non-plastic; fine to medium sand; fine to coarse gravel.	15
20					PID=46.4 Sheen=Slight		SILTY SAND WITH GRAVEL (SM); slightly moist to dry, brown; fine to medium sand, fine to coarse gravel.	20
25					PID=21.7 Sheen=None		SANDY SILT (ML); wet, brown; non-plastic; fine to medium sand, trace fine gravel. SILTY SAND WITH GRAVEL (SM); slightly moist; fine to medium sand, fine to coarse gravel.	25
30					Sheen=Slight PID=29.3		Becomes wet and dark gray.	30
35					PID=30.9 Sheen=None		SANDY SILT WITH GRAVEL (ML); moist, gray; non-plastic; fine to medium sand, fine to coarse gravel.	35

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AB-03

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1303900 N:228390 (est)

AB-03

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

171.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/13/2020

NA

22.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
135		Backfilled with hydrated bentonite chips					SANDY SILT WITH GRAVEL (ML); moist, gray; non-plastic; fine to medium sand, fine to coarse gravel. (continued)	
40					Sheen=None PID=25.2		SILTY SAND WITH GRAVEL (SM); wet, gray; fine to medium sand, fine to coarse gravel.	40
130							SAND WITH SILT AND GRAVEL (SP-SM); wet; gray and brown; fine to medium sand, fine to coarse gravel	
45					PID=21.8 Sheen=None			45
125								
50					Sheen=None PID=16.4		SILTY SAND WITH GRAVEL (SM); wet, gray and brown; fine to medium sand, fine to coarse gravel.	50
120								
55					PID=11.7 Sheen=Slight			55
115								
60					PID=9.3 Sheen=Slight		Bottom of exploration at 60 ft. bgs.	60
110							Note: No solvent-like or petroleum-like odor except where noted.	
65								65
105								
70								70
100								

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log AB-03

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1303900 N:228340 (est)

AB-04

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
169.9' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/14/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					CONCRETE; with base course.	
5	165				PID=0.0 Sheen=None		FILL SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand; fine to coarse gravel.	5
					PID=0.0 Sheen=None			
10	160			AB-04-10	PID=0.1 Sheen=None			10
					PID=0.1 Sheen=None			
15	155	Backfilled with hydrated bentonite chips			PID=0.0 Sheen=Slight		GLACIAL DEPOSITS SANDY SILT WITH GRAVEL (ML); slightly moist, dark gray; fine to medium sand, fine to coarse gravel.	15
20	150				PID=1.3 Sheen=Slight		SILTY SAND WITH GRAVEL (SM); slightly moist, dark gray; fine to medium sand, fine to coarse gravel.	20
25	145				PID=1.2 Sheen=None			25
30	140			AB-04-30	PID=2.8 Sheen=Slight		SANDY SILT WITH GRAVEL (ML); slightly moist, gray; fine to medium sand, fine to coarse gravel	30
35	135	Backfilled with hydrated bentonite chips			PID=2.1 Sheen=None			35

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DB
Approved by: Mva 4/27/2022

Exploration Log
AB-04

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1303900 N:228340 (est)

AB-04

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

169.9' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/14/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	130	Backfilled with hydrated bentonite chips	[Continuous core symbol]	AB-04-60	PID=1.9 Sheen=Slight	[Material Type Symbol]	SILTY SAND WITH GRAVEL (SM); slightly moist, gray; fine to medium sand, fine to coarse gravel (continued)	40
45	125						SAND WITH SILT (SP-SM); moist, gray; fine to medium sand, trace fine to coarse gravel	45
50	120						SILTY SAND WITH GRAVEL (SM); moist, dark gray; fine to medium sand, fine to coarse gravel	50
55	115						SAND WITH SILT (SP-SM); moist, dark gray; fine to medium sand, trace fine to coarse gravel	55
60	110						Bottom of exploration at 60 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	60
65	105							65
70	100							70

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DB
Approved by: MVA 4/27/2022

Exploration Log
AB-04

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228340 (est)

AB-05

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 55

Autohammer; 140 lb hammer; 30" drop

173.1' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

7/23/2019

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					CONCRETE; with base course.	
170					PID=0.0 Sheen=Organic Blows (non-SPT)=50/6"		FILL SILTY SAND (SM); dry to moist, orange-brown; fine sand, trace fine to coarse gravel, organic fragments.	
5					PID=0.0 Sheen=None Blows (non-SPT)=50/6"		GLACIAL DEPOSITS SILTY SAND (SM); moist, gray, fine sand, trace coarse sand.	5
165					PID=0.0 Sheen=None Blows (non-SPT)=50/6"		SILTY SAND WITH GRAVEL (SM); moist, gray; fine to coarse sand, fine gravel.	
10					PID=0.0 Sheen=None Blows (non-SPT)=50/6"		Becomes fine sand.	10
160					PID=0.0 Sheen=None Blows (non-SPT)=100/4"		Becomes fine to medium sand, trace coarse sand.	
15		Backfilled with hydrated bentonite chips			PID=0.3 Sheen=None Blows (non-SPT)=100/6"		Becomes fine sand with 5mm very moist medium sand interbeds, slight petroleum-like odor.	15
155							Strong petroleum-like odors in cuttings 15-20 ft.	
20				AB-05-20.0	PID=128 Sheen=Moderate Blows (non-SPT)=100/6"			20
150								
25					PID=0.6 Sheen=None Blows (non-SPT)=100/4"		SILTY SAND WITH GRAVEL (SM); moist, brown; fine sand, fine gravel, trace medium sand, slight petroleum-like odor.	25
145								
30		Backfilled with hydrated bentonite chips		AB-05-30.0	PID=119 Sheen=Slight Blows (non-SPT)=100/5"		Becomes gray, strong petroleum-like odor	30
140								
35					PID=9.3 Sheen=None		Becomes gray-brown, slight petroleum-like odor, trace coarse gravel	35

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log
AB-05

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228340 (est)

AB-05

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 55

Autohammer; 140 lb hammer; 30" drop

173.1' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

7/23/2019

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)	
135		Backfilled with hydrated bentonite chips			Blows (non-SPT)=100/6"		SILTY SAND WITH GRAVEL (SM); moist, brown; fine sand, fine gravel, trace medium sand, slight petroleum-like odor. (continued)		
40					PID=3.1 Sheen=None Blows (non-SPT)=100/5"		SILTY GRAVEL WITH SAND AND COBBLES (GM); moist, gray; fine to coarse gravel, fine to coarse sand.	40	
130						PID=3.1 Sheen=None Blows (non-SPT)=100/5"			45
45						PID=1.1 Sheen=None Blows (non-SPT)=100/2"		SILTY SAND WITH GRAVEL (SM); moist, brown; medium to coarse sand, fine to coarse gravel, trace cobbles.	50
125				AB-05-50.0					
50					Sheen=None Blows (non-SPT)=200/1"		Bottom of exploration at 55.1 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	55	
120									
55									
115									
60									
110									
65									
105									
70									

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-05

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228340 (est)

AB-06

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 55

Autohammer; 140 lb hammer; 30" drop

174.4' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

7/22/2019

NA

25' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal		AB-06-2.5			CONCRETE; with base course.	
5	170				PID=0.0 Sheen=None Blows (non-SPT)=50/6"		FILL SILTY SAND (SM); moist, brown; fine sand, trace coarse gravel	
					PID=0.0 Sheen=None Blows (non-SPT)=20/50/6"		Trace fine to coarse gravel	5
					PID=0.0 Sheen=None Blows (non-SPT)=75/6"		GLACIAL DEPOSITS SILTY SAND (SM); moist, brown; fine to coarse sand, trace fine gravel	
10	165				PID=0.0 Sheen=None Blows (non-SPT)=50/6"			10
					PID=0.0 Sheen=None Blows (non-SPT)=75/5"			
15	160	Backfilled with hydrated bentonite chips			PID=0.3 Sheen=None Blows (non-SPT)=100/6"			15
					PID=0.9 Sheen=None Blows (non-SPT)=20/50/6"			
20	155				PID=0.6 Sheen=None Blows (non-SPT)=12, 18, 30		SILTY SAND WITH GRAVEL (SM); very moist to wet, gray-brown; fine to medium sand, fine gravel, few 5mm wet medium sand interbeds.	25
					PID=0.7 Sheen=None Blows (non-SPT)=50/6"		Becomes fine to coarse sand.	30
25	150	7/23/2019 Perched			PID=0.5 Sheen=None			35
30	145	Backfilled with hydrated bentonite chips						
35	140							

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375"

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log
AB-06

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228340 (est)

AB-06

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 55

Autohammer; 140 lb hammer; 30" drop

174.4' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

8.5" OD X 4.25" ID
Hollow-Stem Auger

7/22/2019

NA

25' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135	Backfilled with hydrated bentonite chips	[Split Barrel Symbol]	AB-06-40.0	Blows (non-SPT)=100/4"	[Material Type Symbol]	SILTY SAND WITH GRAVEL (SM); very moist to wet, gray-brown; fine to medium sand, fine gravel, few 5mm wet medium sand interbeds. (continued)	40
45	PID=72.4 Sheen=Slight Blows (non-SPT)=50/5"				SILTY GRAVEL WITH SAND AND COBBLES (GM); moist, brown; fine to coarse gravel, medium to coarse sand, strong solvent-like odor.		45	
50	PID=2.9 Sheen=None Blows (non-SPT)=100/2"				Slight solvent-like odor.		50	
55	PID=1.5 Sheen=None Blows (non-SPT)=100/5"				SILTY SAND WITH GRAVEL (SM); moist, brown; coarse sand, fine to coarse gravel, slight solvent-like odor.		55	
55	120			AB-06-55.0	PID=1.6 Sheen=None Blows (non-SPT)=100/2"		Bottom of exploration at 55.1 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	55
60	115							60
65	110							65
70	105							70

Legend

- [] No Soil Sample Recovery
- [] Split Barrel 3.25" X 2.375"

Water Level

[] Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log
AB-06

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228350 (est)

AB-07

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
173.4' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/12/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
28.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
170		Concrete surface seal		AB-07-2.5	PID=0.5 Sheen=Slight		CONCRETE; with base course.	
5							FILL SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, red and brown; fine to medium sand, fine to coarse gravel, trace roots.	
165					PID=1.3 Sheen=Slight		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); slightly moist, brown and gray; fine to medium sand, fine to coarse gravel, trace cobbles.	5
10					PID=0.8 Sheen=Slight			
160					PID=3.5 Sheen=Slight		SAND WITH GRAVEL (SP); slightly moist, dark blue and gray; fine to medium sand, trace silt, strong petroleum-like odor.	10
15		Backfilled with hydrated bentonite chips		AB-07-12.5	PID=395.0 Sheen=Moderate		SILTY SAND WITH GRAVEL (SM); slightly moist, brown; fine to medium sand, fine to coarse gravel, petroleum-like odor, heavy iridescent rainbow sheen.	15
155					PID=10.3 Sheen=Slight			
20					PID=417.0 Sheen=Moderate		SILTY SAND WITH GRAVEL (SM); moist, dark blue and gray; fine to coarse sand, fine to coarse gravel, petroleum-like odor persists to 25 feet.	20
150					PID=390.0 Sheen=Slight			
25					PID=43.3 Sheen=Moderate		Becomes gray and wet	25
145		5/12/2020 Perched		AB-07-20				
30					PID=9.9 Sheen=Slight		SILTY SAND WITH GRAVEL (SM); light brown, slightly moist; fine to medium sand, fine to coarse gravel.	30
140								
35								

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

Legend

Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log
AB-07

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228350 (est)

AB-07

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

173.4' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/12/2020

NA

28.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135	Backfilled with hydrated bentonite chips ▽ 5/12/2020 Perched		AB-07-45	PID=6.7 Sheen=Slight		GRAVELLY SILT WITH SAND (ML); slightly moist to dry, dark gray; fine to medium sand, fine to coarse gravel. (continued)	40
45	Becomes wet.						45	
50	Becomes slightly moist to dry						50	
50	125			AB-07-50	Sheen=Slight PID=6.4		Bottom of exploration at 50 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	50
55	120							55
60	115							60
65	110							65
70	105							70

Legend

▣ Continuous core 4" ID

Water Level

▽ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log
AB-07

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228310 (est)

AB-08

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

172.1' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/13/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					ASPHALT; with base course.	
170				AB-08-2.5	PID=280.5 Sheen=Moderate		FILL SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, red brown; fine to medium sand, fine to coarse gravel, trace cobbles, roots and woody material, organic odor, sheen with blocky texture.	
5					PID=9.6 Sheen=Moderate		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); slightly moist, brown; fine to medium sand, fine to coarse subangular gravel.	5
165					PID=10.8 Sheen=Slight		Becomes moist	
10					PID=9.0 Sheen=Slight			10
160					PID=6.2 Sheen=Slight			
15		Backfilled with hydrated bentonite chips			PID=8.4 Sheen=Slight		SANDY SILT WITH GRAVEL (ML); slightly moist, brown; fine to medium sand, fine to coarse gravel.	15
155					PID=12.3 Sheen=Slight			
20					PID=22.3 Sheen=Moderate		SILTY SAND WITH GRAVEL AND COBBLES (SM); slightly moist to dry, brown.	20
150				AB-08-25.0			Becomes moist and gray.	25
145							Becomes light brown.	
30					PID=14.9 Sheen=None		Becomes dark gray.	30
140							SAND WITH SILT AND GRAVEL (SP-SM); moist, dark gray; fine to medium sand, fine to coarse gravel.	
35				AB-08-35.0	PID=13.7 Sheen=None			35

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AB-08

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228310 (est)

AB-08

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

172.1' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/13/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)			
135		Backfilled with hydrated bentonite chips		AB-08-45	PID=15.8 Sheen=Slight		SAND WITH SILT AND GRAVEL (SP-SM); moist, dark gray; fine to medium sand, fine to coarse gravel. (continued)				
40										GRAVELLY SILT WITH SAND (ML); slightly moist, dark gray; fine to medium sand, fine to coarse gravel.	40
130											
45					PID=22.3 Sheen=Slight			45			
125											
50					Sheen=Slight PID=9.9		Bottom of exploration at 50 ft. bgs.	50			
120							Note: No solvent-like or petroleum-like odor except where noted.				
55								55			
115											
60								60			
110											
65								65			
105											
70								70			

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log AB-08

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228310 (est)

AB-09

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

173.9' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/12/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					CONCRETE; with base course.	
5	170				PID=0.2 Sheen=Organic		FILL SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, red and brown; fine to medium sand, fine to coarse, subrounded gravel, trace roots, slight organic blocky sheen.	
5	165				PID=0.4 Sheen=Organic		SILTY SAND WITH GRAVEL (SM); slightly moist, light gray and red brown; fine to coarse sand, fine to coarse, subrounded gravel.	5
10	165				PID=0.4 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); moist, light gray; fine to medium sand, fine to coarse gravel.	
10	160			AB-09-12.5	PID=0.3 Sheen=Slight			10
15	160	Backfilled with hydrated bentonite chips			PID=0.3 Sheen=Slight		SANDY SILT WITH GRAVEL (ML); light brown, very moist; fine to medium sand, fine to coarse gravel.	
15	155				PID=0.4 Sheen=None			15
20	155				PID=1.0 Sheen=Slight			20
25	150			AB-09-25.0	PID=2.3 Sheen=Slight		SILTY SAND WITH GRAVEL (SM); very moist, gray; fine to coarse sand, fine to coarse, subangular gravel.	25
30	145				PID=0.7 Sheen=Slight			30
35	140			AB-09-35.0	PID=0.6 Sheen=Slight		GRAVELLY SILT WITH SAND (ML); moist, dark gray; fine to medium sand, fine to coarse gravel, organic blocky sheen.	35

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AB-09

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228310 (est)

AB-09

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

173.9' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/12/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135	Backfilled with hydrated bentonite chips		AB-09-40.0	PID=2.3 Sheen=Slight organic		GRAVELLY SILT WITH SAND (ML); moist, dark gray; fine to medium sand, fine to coarse gravel, organic blocky sheen. (continued)	40
45	130				PID=0.6 Sheen=Slight organic			45
50	125				Sheen=Slight PID=0.8		GRAVEL WITH SILT AND SAND (GP-GM); moist, dark gray; fine to medium sand, fine to coarse, subrounded gravel. Becomes brown	50
							Bottom of exploration at 50 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log AB-09

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228290 (est)

AB-10

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

171.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Rider

Sonic

7/18/2019 to 7/18/2018

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					ASPHALT; with base course.	
170					PID=22.6 Sheen=None		FILL SILTY SAND (SM); dry to moist, brown to orange; fine sand, trace fine gravel, abundant organic fragments, beauty bark-like odor. Becomes light gray; fine sand; concrete fragments.	
5					PID=0.0 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to medium sand, fine to coarse gravel.	5
165					PID=0.1 Sheen=None			
10					PID=0.3 Sheen=None		SILTY SAND (SM); moist to very moist, gray-brown; fine sand, trace fine gravel.	10
160					PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to medium sand, fine to coarse gravel.	
15		Backfilled with hydrated bentonite chips		AB-10-15.0	PID=0.0 Sheen=None			15
155								
20					PID=0.0 Sheen=None		Blue-gray staining, very moist, and slight petroleum-like odor 20 -24 ft.	20
150					PID=46.7 Sheen=Slight			
25					PID=69.9 Sheen=Moderate		Strong petroleum-like odor. Becomes fine to coarse sand.	25
145					PID=0.0 Sheen=None			
30					PID=0.0 Sheen=None			30
140								
35		Backfilled with hydrated bentonite chips		AB-10-33.0	PID=13.1 Sheen=None		Slight petroleum-like odor.	35
					PID=7.3 Sheen=None			

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-10

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228290 (est)

AB-10

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

171.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Rider

Sonic

7/18/2019 to 7/18/2018

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)				
135		Backfilled with hydrated bentonite chips	[Continuous core 4" ID]	AB-10-45.0	PID=0.9 Sheen=None	[Silty sand with gravel]	SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to medium sand, fine to coarse gravel. (continued)					
40									PID=1.0 Sheen=None	[Silty sand with gravel and cobbles]	SILTY SAND WITH GRAVEL AND COBBLES (SM); moist, gray-brown; fine to coarse sand, fine to coarse gravel.	40
130									PID=0.7 Sheen=None			
45									PID=0.9 Sheen=None			
125												
50									PID=0.3 Sheen=None			
120												
55									PID=0.1 Sheen=None			
115												
60									PID=0.1 Sheen=None			
110				AB-10-62.0	PID=0.1 Sheen=None							
65												
105												
70							Bottom of exploration at 70 ft. bgs.	70				
100							Note: No solvent-like or petroleum-like odor except where noted.					

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MvA 4/27/2022

Exploration Log
AB-10

Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECTS\SKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304200 N:228340 (est)

AB-11

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

180.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Rider

Sonic

7/17/2019

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
180		Concrete surface seal					ASPHALT; with base course.	
5	175			AB-11-7.0	PID=0.0 Sheen=Slight		FILL SILTY SAND WITH GRAVEL (SM); moist, dark brown; fine to medium sand, fine gravel, trace brick and charcoal fragments.	5
10	170				PID=0.0 Sheen=Slight		GLACIAL DEPOSITS SAND WITH SILT (SP-SM); moist, orange-brown; fine sand, iron-oxide staining. Beomes light gray; fine to medium sand.; fine to medium sand	10
15	165	Backfilled with hydrated bentonite chips			PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to coarse sand, fine to coarse gravel	15
20	160				PID=0.0 Sheen=None		Beomes very moist, less silty.	20
25	155				PID=0.0 Sheen=None			25
30	150	Backfilled with hydrated bentonite chips			PID=0.0 Sheen=None			30
35	145				PID=0.0 Sheen=None		No solvent-like or petroleum-like odor at any depth.	35
							Bottom of exploration at 35 ft. bgs.	

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-11

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228250 (est)

AB-12

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
177.3' (est)

Operator
Tim Rider

Exploration Method(s)
Sonic

Work Start/Completion Dates
7/17/2019

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal		AB-12-2.0	PID=58.4 Sheen=Moderate		ASPHALT; with base course.	
5							FILL SILTY SAND WITH GRAVEL (SM); moist, dark brown; fine to medium sand, fine gravel, asphalt fragments, petroleum-like odor.	
170					PID=0.0 Sheen=None		GLACIAL DEPOSITS SANDY SILT (ML); moist, tan and brown; fine and coarse sand, trace fine gravel	5
10					PID=1.2 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to medium sand, fine to coarse gravel	
165					PID=0.0 Sheen=None			10
15		Backfilled with hydrated bentonite chips		AB-12-15.0	PID=0.0 Sheen=None			15
160					PID=0.0 Sheen=None			
20				AB-12-20.0	PID=0.0 Sheen=None			20
155					PID=0.0 Sheen=None			
25					PID=0.7 Sheen=None			25
150					PID=0.0 Sheen=None			
30		Backfilled with hydrated bentonite chips			PID=0.0 Sheen=None		Becomes brown.	30
145					PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist to very moist, brown; fine to coarse sand, fine to coarse gravel	
35					PID=0.0 Sheen=None		No solvent-like or petroleum-like odor except where noted.	35
							Bottom of exploration at 35 ft. bgs.	

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log
AB-12

Sheet 1 of 1

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228380 (est)

AB-13

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

CME 75

Downhole Hammer

178.4' (est)

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

5/15/2019

NA

10' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					ASPHALT; with base course.	
5	175			AB-13-5.0	Blows (non-SPT)=14, 14, 15 PID Sheen		FILL SAND WITH SILT AND GRAVEL (SP-SM); moist, brown, fine to medium sand, fine to coarse gravel, trace charcoal.	
5	170				Blows (non-SPT)=9, 12, 14 PID Sheen		SILTY SAND WITH GRAVEL (SM); moist, brown, fine to medium sand, fine to coarse gravel.	5
10	170	5/15/2019 Perched			Blows (non-SPT)=14, 14, 15 PID Sheen		GLACIAL DEPOSITS SAND WITH SILT AND GRAVEL (SP-SM); moist, brown, fine to medium sand, fine gravel. Becomes wet.	
10	165				Blows (non-SPT)=14, 19, 32 PID Sheen		SILTY SAND WITH GRAVEL (SM); moist, brown, fine to medium sand, fine to coarse gravel.	10
15	165	Backfilled with hydrated bentonite chips			Blows (non-SPT)=50/6" PID Sheen			15
20	160				Blows (non-SPT)=15, 20, 27 PID Sheen		SAND WITH SILT (SP-SM); moist, brown, fine to medium sand, trace coarse sand.	20
25	155				Blows (non-SPT)=50/6" PID Sheen		SILTY SAND WITH GRAVEL (SM); moist, gray, fine to medium sand, fine gravel.	25
30	150	Backfilled with hydrated bentonite chips			Blows (non-SPT)=50/6" PID Sheen			30
35	145				Blows (non-SPT)=25, 50/5"			35

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375" (D&M)

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log AB-13

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E: 1304100 N: 228380 (est)

AB-13

Contractor
Cascade Drilling

Equipment
CME 75

Sampling Method
Downhole Hammer

Ground Surface Elev. (NAVD88)
178.4' (est)

Operator
Curtis Askew

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates
5/15/2019

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
10' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
140		Backfilled with hydrated bentonite chips		AB-13-40.0	PID Sheen		SILTY GRAVEL WITH SAND AND COBBLES (GM); moist, brown, coarse gravel, fine to medium sand. (continued)	
40					Blows (non-SPT)=50/6" PID Sheen			
135								
45					Blows (non-SPT)=50/6" PID Sheen		Bottom of exploration at 45.5 ft. bgs.	45
130							Note: No solvent-like or petroleum-like odor except where noted.	
50								50
125								55
55								
120								60
60								
115								65
65								
110								70
70								

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375" (D&M)

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log AB-13

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304200 N:228380 (est)

AB-14

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

180.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Rider

Sonic

7/16/2019

NA

31' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
180		Concrete surface seal			PID=0.0 Sheen=Slight		ASPHALT; with base course.	
					PID=0.3 Sheen=Slight		FILL SILTY SAND WITH GRAVEL (SM); moist, brown and gray; fine to coarse sand, fine to coarse gravel, brick fragments	
5	175			AB-14-5.0	PID=2.6 Sheen=Slight		SANDY SILT (ML); moist, tan; iron-oxide staining, fine sand	5
					PID=0.3 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); moist, gray; fine to medium sand, fine gravel	
10	170				PID=1.0 Sheen=None		SANDY SILT (ML); moist, gray; fine to medium sand, fine gravel	10
					PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine to medium sand, fine to coarse gravel	
15	165	Backfilled with hydrated bentonite chips			PID=0.0 Sheen=None		Becomes gray	15
					PID=0.0 Sheen=None			
20	160				PID=0.0 Sheen=None			20
					PID=0.0 Sheen=None			
25	155				PID=0.0 Sheen=None			25
					PID=0.0 Sheen=None			
30	150	7/16/2019 Perched			PID=0.0 Sheen=None			30
					PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); very moist to wet, gray; fine to medium sand, fine to coarse gravel Becomes moist, brown.	
35	145				PID=0.0 Sheen=None			35

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log
AB-14

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304200 N:228380 (est)

AB-14

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

180.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Rider

Sonic

7/16/2019

NA

31' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	140	Backfilled with hydrated bentonite chips			PID=0.0 Sheen=None PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); very moist to wet, gray; fine to medium sand, fine to coarse gravel (continued)	40
45	135				PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); moist to very moist, brown; fine to medium sand, fine to coarse gravel	45
50	130				PID=0.0 Sheen=None		Beds of sand with silt and silt with sand.	50
55	125				PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray; fine to coarse sand, fine to coarse gravel	55
60	120	Backfilled with hydrated bentonite chips			PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); moist, gray; fine to coarse sand, fine to coarse gravel.	60
65	115				PID=0.0 Sheen=None			65
70	110			AB-14-70.0	PID=0.0 Sheen=None		Bottom of exploration at 70 ft. bgs.	70

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AB-14

Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E: 1304116 N: 228313 (est)

AB-15

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

DB

Rotary Core

175.8' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Rico

Sonic

4/21/2021

NA

27.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal		AB-15-7.5 VOCs, NWTPH-Gx, NWTPH-Dx, PAHs, Metals	PID=0.1 Sheen=None	CONCRETE	CONCRETE; Concrete slab 6 in. thick	
					PID=0.6 Sheen=None	FILL	GRAVEL (GW); moist, brown; trace silt, trace fine sand, fine gravel	
							SAND WITH SILT AND GRAVEL (SP-SM); moist, reddish brown; medium to coarse sand, fine to coarse gravel.	
5						GLACIAL DEPOSITS		5
					PID=0.2 Sheen=None		SANDY SILT (ML); moist, gray, not dense; fine to medium sand, trace fine gravel.	
							SILTY SAND (SM); moist, gray; medium to coarse sand, trace coarse gravel	
10		Boring backfilled with hydrated bentonite chips		AB-15-17 VOCs, NWTPH-Gx, NWTPH-Dx	PID=0.3 Sheen=None			10
					PID=3.5 Sheen=None		Becomes fine to coarse gravel	
					PID=1.0 Sheen=None		Interbeds of silt	15
					PID=0.5 Sheen=None			
					PID=1.6 Sheen=None		SANDY SILT (ML); moist, gray; fine to medium sand, trace fine gravel	20
20				AB-15-27.5 VOCs, NWTPH-Gx, NWTPH-Dx, PAHs, Metals	PID=2.2 Sheen=None			20
					PID=0.9 Sheen=None		SILTY SAND (SM); very moist, gray brown; fine to medium sand	
							SILTY SAND WITH GRAVEL (SM); moist, gray; medium to coarse sand, fine to coarse gravel	
25					PID=1.1 Sheen=None		SANDY SILT (ML); moist, dark gray; fine to medium sand, fine to coarse gravel.	25
					PID=3.3 Sheen=None			
				AB-15-34 VOCs, NWTPH-Gx, NWTPH-Dx	PID=0.4 Sheen=None		Becomes very moist.	30
					PID=0.5 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); very moist, dark gray; medium to coarse sand, fine to coarse gravel	
35							Becomes gray-brown	35

Legend

Continuous core 6" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BC
Approved by: Mva 4/27/2022

Exploration Log
AB-15

Sheet 1 of 3



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E: 1304116 N: 228313 (est)

AB-15

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

DB

Rotary Core

175.8' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Rico

Sonic

4/21/2021

NA

27.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135	▽ 4/21/2021 Perched		AB-15-47 VOCs, NWTPH-Gx, NWTPH-Dx, PAHs, Metals	PID=1.4 Sheen=None PID=1.0 Sheen=None PID=1.6 Sheen=None PID=0.5 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); very moist, dark gray; medium to coarse sand, fine to coarse gravel (continued) Becomes wet, red-brown	40
45	130			AB-15-54 VOCs, NWTPH-Gx, NWTPH-Dx	PID=1.4 Sheen=None PID=4.2 Sheen=None PID=5.8 Sheen=None		Becomes moist, gray. Becomes wet.	45
50	125	▽ 4/21/2021 Perched			PID=0.3 Sheen=None PID=1.9 Sheen=None PID=0.6 Sheen=None		Thin bed sand with silt.	50
55	120			AB-15-69 VOCs, NWTPH-Gx, NWTPH-Dx	PID=5.0 Sheen=None PID=6.9 Sheen=None PID=0.9 Sheen=None PID=0.4 Sheen=None		SILTY SAND WITH GRAVEL (SM); very moist, gray brown; medium to coarse sand, fine to coarse gravel	55
60	115				PID=0.9 Sheen=None PID=0.5 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); very moist, gray brown; medium to coarse sand, fine to coarse gravel	60
65	110							65
70	105							70

Legend

▣ Continuous core 6" ID

Water Level

▽ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BC
Approved by: Mva 4/27/2022

Exploration Log AB-15

Sheet 2 of 3



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E: 1304116 N: 228313 (est)

AB-15

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

DB

Rotary Core

175.8' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Rico

Sonic

4/21/2021

NA

27.5' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
75	100			AB-15-79 VOCs, NWTPH-Gx, NWTPH-Dx	PID=3.2 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); very moist, gray brown; medium to coarse sand, fine to coarse gravel (continued)	75
							Bottom of exploration at 75 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	

Legend

Continuous core 6" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: BC
Approved by: MvA 4/27/2022

Exploration Log AB-15

Sheet 3 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228360 (est)

AB-16

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

176' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/11/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal					ASPHALT; with base course.	
5					PID=0.0 Sheen=Slight		FILL SAND WITH SILT AND GRAVEL (SP-SM); moist, light brown; fine to medium sand, fine to coarse gravel	
170					PID=0.1 Sheen=Slight		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand, fine to coarse gravel	5
10					PID=0.0 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand, fine to coarse gravel	10
165					PID=0.0 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); moist, brown; fine to medium sand, fine to coarse gravel	
15		Backfilled with hydrated bentonite chips			PID=0.2 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown; fine to medium sand, fine to coarse gravel	15
160					PID=0.1 Sheen=None		SAND WITH SILT (SP-SM); moist, dark brown; fine to medium sand.	
20					PID=0.1 Sheen=none			20
155					PID=0.0 Sheen=None			
25					PID=0.5 Sheen=None			25
150				AB-15-27.5	PID=2.4 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, gray; fine to medium sand, fine to coarse gravel; trace cobbles	
30					PID=0.3 Sheen=None			30
145		Backfilled with hydrated bentonite chips						
35				AB-16-35.0	PID=0.0 Sheen=None		GRAVELLY SILT WITH SAND (ML); moist, gray; fine to medium sand, fine to coarse gravel, trace cobbles	35

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AB-16

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304100 N:228360 (est)

AB-16

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

176' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/11/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135				Sheen=None PID=0.0		GRAVELLY SILT WITH SAND (ML); moist, gray, fine to medium sand, fine to coarse gravel, trace cobbles (continued)	40
45	130						Bottom of exploration at 40 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	45
50	125							50
55	120							55
60	115							60
65	110							65
70	105							70

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log AB-16

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228390 (est)

AB-17

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
176.3' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/11/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
30' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal					ASPHALT; with base course.	
5	170		AB-17-5.0		PID=40.1 Sheen=Moderate		FILL SAND WITH SILT AND GRAVEL (SP-SM); dry, brown; fine to medium sand, fine gravel, trace glass fragments Slight petroleum-like odor	5
10	165		AB-17-10.0		PID=1.2 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); dry to slightly moist, brown and blue gray; fine to medium sand, fine gravel, strong petroleum-like odor	10
15	160	Backfilled with hydrated bentonite chips	AB-17-15.0		PID=129 Sheen=Heavy			15
20	155				PID=262.3 Sheen=Heavy		SILTY SAND WITH GRAVEL (SM); moist, gray and brown; fine to medium sand, fine to coarse, subrounded gravel	20
25	150		AB-17-25.0		PID=13.5 Sheen=Slight		Becomes dark gray	25
30	145	5/11/2020 Perched Backfilled with hydrated bentonite chips			PID=3.1 Sheen=Slight		Becomes wet	30
35			AB-17-35.0		PID=5.5 Sheen=None			35
					PID=1.3 Sheen=Slight			
					PID=1.0 Sheen=None			

Legend

Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AB-17

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228390 (est)

AB-17

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

176.3' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/11/2020

NA

30' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
140							SANDY SILT WITH GRAVEL (ML); slightly moist, gray; fine to medium sand, fine gravel	
40					Sheen=None PID=1.2		Bottom of exploration at 40 ft. bgs.	40
135							Note: No solvent-like or petroleum-like odor except where noted.	
45								45
130								
50								50
125								
55								55
120								
60								60
115								
65								65
110								
70								70
105								

Legend

Continuous core 4" ID

Water Level
 Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
 Approved by: MVA 4/27/2022

Exploration Log AB-17

Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228400 (est)

AB-18

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
176.8' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/11/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Concrete surface seal					ASPHALT; with base course.	
5				AB-18-5.0	PID=0.5 Sheen=Slight		FILL SAND WITH SILT (SP-SM); slightly moist, light brown; fine to coarse sand, fine to coarse gravel	5
10				AB-18-10.0	PID=0.4 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); slightly moist to moist, brown; fine to medium sand, fine to coarse gravel	10
15		Backfilled with hydrated bentonite chips		AB-18-15.0	PID=0.6 Sheen=Slight			15
20				AB-18-20.0	PID=0.6 Sheen=Slight		Becomes very moist	20
25				AB-18-25.0	PID=0.3 Sheen=Slight		SAND WITH SILT (SP-SM); very moist, gray; fine to medium sand, fine gravel	25
30		Backfilled with hydrated bentonite chips		AB-18-30.0	PID=1.8 Sheen=None		SILTY SAND (SM); very moist, light gray; fine to coarse sand; trace fine gravel	30
35				AB-18-35.0	PID=1.0 Sheen=None		Becomes very moist	35
					PID=0.3 Sheen=None			
					PID=0.7 Sheen=Slight			

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AB-18

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228400 (est)

AB-18

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

176.8' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/11/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
140							SILTY SAND (SM); very moist, light gray; fine to coarse sand; trace fine gravel (continued)	
40					Sheen=None PID=0.5		Bottom of exploration at 40 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	40
135								
45								45
130								
50								50
125								
55								55
120								
60								60
115								
65								65
110								
70								70
105								

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log AB-18

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228370 (est)

AB-19

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
171.8' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/14/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
170		Concrete surface seal					ASPHALT; with base course.	
5				AB-19-5.0	PID=2.5 Sheen=None		FILL SILTY SAND WITH GRAVEL (SM); slightly moist, brown; fine to medium sand, fine to coarse gravel	5
10					PID=1.3 Sheen=None			
15		Backfilled with hydrated bentonite chips		AB-19-15.0	PID=0.1 Sheen=None			
20					PID=0.8 Sheen=Slight		GLACIAL DEPOSITS SANDY SILT WITH GRAVEL (ML); slightly moist, brown; fine to medium sand, fine to coarse gravel	10
25					PID=0.2 Sheen=None			
30					PID=5.6 Sheen=Slight			
35					PID=15.2 Sheen=Slight			
					PID=15.7 Sheen=Slight		SILTY SAND WITH GRAVEL (SM); slightly moist, brown; fine to medium sand, fine to coarse gravel	25
					PID=1.9 Sheen=None			
					PID=15.2 Sheen=Slight			
					PID=1.9 Sheen=None			
					PID=15.7 Sheen=Slight			
					PID=2.0 Sheen=None		SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, brown and red; fine to medium sand, fine to coarse gravel	35
					PID=2.0 Sheen=None			

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DB
Approved by: MvA 4/27/2022

Exploration Log AB-19

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228370 (est)

AB-19

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

171.8' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/14/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
135		Backfilled with hydrated bentonite chips		AB-19-45	PID=4.5 Sheen=Slight		SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, brown and red; fine to medium sand, fine to coarse gravel (continued)	
40							SANDY SILT WITH GRAVEL (ML); slightly moist, dark gray; fine to medium sand, fine to coarse gravel	40
130								
45					PID=1.2 Sheen=Slight			45
125								
50					Sheen=None PID=0.6		Bottom of exploration at 50 ft. bgs.	50
120							Note: No solvent-like or petroleum-like odor except where noted.	
55								55
115								
60								60
110								
65								65
105								
70								70
100								

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DB
Approved by: MvA 4/27/2022

Exploration Log AB-19

Sheet 2 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228380 (est)

AB-20

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
174.7' (est)

Operator
Tim Dabner

Exploration Method(s)
Sonic

Work Start/Completion Dates
5/13/2020

Top of Casing Elev. (NAVD88)
NA

Depth to Water (Below GS)
No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Concrete surface seal					CONCRETE; with base course.	
5	170		AB-20-5.0		PID=9.7 Sheen=None		FILL SAND WITH SILT AND GRAVEL (SP-SM); slightly moist, red brown; fine to coarse sand, fine to coarse gravel, trace organic material, roots	5
10	165		AB-20-12.5		PID=12.2 Sheen=None		GLACIAL DEPOSITS SILTY SAND WITH GRAVEL (SM); slightly moist, brown and gray; fine to medium sand, trace gravel	10
15	160	Backfilled with hydrated bentonite chips	AB-20-12.5		PID=8.4 Sheen=None		SAND WITH SILT (SW-SM); moist, dark gray and blue; fine to medium sand, petroleum-like odor	15
20	155		AB-20-22.5		PID=14.9 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, light brown; fine to medium sand, fine to coarse gravel, petroleum-like odor	20
25	150		AB-20-25.0		PID=12.5 Sheen=Slight		Becomes dark blue gray, petroleum-like odor	25
30	145		AB-20-35.0		PID=504.5 Sheen=Moderate			30
35	140		AB-20-35.0		PID=1728 Sheen=Moderate			35
					PID=25.1 Sheen=Slight			
					PID=17.1 Sheen=Slight			
					PID=31.9 Sheen=Slight			

Legend

Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DB
Approved by: MVA 4/27/2022

Exploration Log
AB-20

Sheet 1 of 2



Skanska NE8 - 180587

Environmental Exploration Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228380 (est)

AB-20

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

174.7' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Tim Dabner

Sonic

5/13/2020

NA

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135	Backfilled with hydrated bentonite chips	[Continuous core 4" ID]	AB-20-45	PID=27.4 Sheen=None	[Material Type Diagram]	SILTY SAND WITH GRAVEL (SM); moist, light brown; fine to medium sand, fine to coarse gravel, petroleum-like odor (continued) Becomes gray	40
45	130				PID=50.9 Sheen=None		GRAVEL WITH SILT, SAND, AND COBBLES (GW-GM); moist, dark gray; fine to medium sand, fine to coarse gravel.	45
50	125				Sheen=None PID=23.1		Bottom of exploration at 50 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	50
55	120							55
60	115							60
65	110							65
70	105							70

Legend

[Symbol] Continuous core 4" ID

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: DB
Approved by: MVA 4/27/2022

Exploration Log AB-20

Sheet 2 of 2



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228420 (est)

AMW-01

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Ecology Well Tag No.

Cascade Drilling

CME 75

Downhole Hammer

175.8' (est)

BLK 120

Operator

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

Curtis Askew

5/13/2019

175.5' (est)

No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
175		Monument in concrete					ASPHALT; with base course.	
							FILL	
							SILTY SAND WITH GRAVEL (SM); moist, brown, fine to medium sand, fine gravel.	
5					Blows (non-SPT)=8,8,8 PID=0.5 Sheen=None			5
		2 inch diameter Sch 40 PVC casing		AMW-01-5.0	Blows (non-SPT)=18,20,20 PID=0.2 Sheen=None		Trace coarse gravel, slight petroleum-like odor	
10		Hydrated 3/8" bentonite chips			Blows (non-SPT)=12, 18,23 PID=0.2 Sheen=None		GLACIAL DEPOSITS	
							SILTY SAND WITH GRAVEL (SM); very moist, gray-brown, fine to coarse sand, fine to coarse gravel.	
15					Blows (non-SPT)=18,19,23 PID=0.1 Sheen=None		SILTY SAND (SM); very moist to moist, gray-brown to brown, fine to medium sand, trace fine gravel.	10
				AMW-01-10.0	Blows (non-SPT)=20,23,50/4" PID=0.1 Sheen=None		Trace coarse gravel	15
20					Blows (non-SPT)=50/6" PID=0.1 Sheen=None			20
25					Blows (non-SPT)=30,50/6" PID=0.1 Sheen=None			25
				AMW-01-25.0				
30					Blows (non-SPT)=30,50/6" PID=0.1 Sheen=None			30
35		10/20 silica sand filter pack			Blows (non-SPT)=30,50/6" PID=0.1 Sheen=None			35
140					Blows (non-SPT)=30,50/6"			

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

Legend

- ☐ No Soil Sample Recovery
- ▣ Split Barrel 3.25" X 2.375" (D&M)

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AMW-01



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228420 (est)

AMW-01

Contractor
Cascade Drilling

Equipment
CME 75

Sampling Method
Downhole Hammer

Ground Surface Elev. (NAVD88)
175.8' (est)

Ecology Well Tag No.
BLK 120

Operator
Curtis Askew

Exploration Method(s)
8.5" OD X 4.25" ID
Hollow-Stem Auger

Work Start/Completion Dates
5/13/2019

Top of Casing Elev. (NAVD88)
175.5' (est)

Depth to Water (Below GS)
No Water Encountered

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
40	135	2 inch diameter 0.010 inch slot Sch 40 PVC slotted screen			PID=0.1 Sheen=None		SILTY SAND (SM); very moist to moist, gray, fine to medium sand, trace fine to coarse gravel. (continued)	40
45	130	Threaded bottom cap			Blows (non-SPT)=50/6" PID=0.1 Sheen=None		Moist, sandy interbeds	45
50	125	Hydrated 3/8" bentonite chips			Blows (non-SPT)=50/4" PID=0.1 Sheen=None		GRAVEL WITH SAND AND COBBLES (GW); moist, brown, medium sand, trace coarse sand.	50
55	120				Blows (non-SPT)=50/5" PID=0.1 Sheen=None		SILTY SAND WITH GRAVEL (SM); moist, brown, fine to coarse sand, fine to coarse gravel.	55
60	115				Blows (non-SPT)=50/5" PID=0.1 Sheen=None			60
65	110			AMW-01-65.0 AMW-01-66.0	Blows (non-SPT)=50/4" PID=0.1 Sheen=None			65
66.4					Blows (non-SPT)=50/5" PID=0.1 Sheen=None		Bottom of exploration at 66.4 ft. bgs.	
70	105						Note: No solvent-like or petroleum-like odor except where noted.	70

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

Legend

- No Soil Sample Recovery
- Split Barrel 3.25" X 2.375" (D&M)

Water Level

No Water Encountered

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AMW-01

Sheet 2 of 2



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228330 (est)

AMW-02

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
173.6' (est)

Ecology Well Tag No.
BLZ 105

Operator
Tim Rider

Exploration Method(s)
Sonic

Work Start/Completion Dates
7/18/2019 to 7/19/2019

Top of Casing Elev. (NAVD88)
173.3' (est)

Depth to Water (Below GS)
30' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
170		Monument in concrete				CONCRETE	CONCRETE; with base course.	
5		2 inch diameter Sch 40 PVC casing			PID=0.9 Sheen=None	FILL	SILTY SAND WITH GRAVEL (SM); moist, orange-brown; fine sand, fine to coarse gravel, trace charcoal, organic odor	5
10		Hydrated 3/8" bentonite chips			PID=0.3 Sheen=None	GLACIAL DEPOSITS	SILTY SAND WITH GRAVEL (SM); moist, gray-brown; fine sand, fine to coarse gravel	10
15					PID=0.0 Sheen=None			15
20					PID=1.0 Sheen=None			20
25					PID=1.0 Sheen=None			25
30					PID=0.3 Sheen=None			30
35					PID=1.0 Sheen=None			35
				AMW-2-20	PID=0.3 Sheen=None			
				AMW-2-30	PID=0.1 Sheen=None			
		7/19/2019 Perched			PID=0.1 Sheen=None			
		10/20 silica sand filter pack						

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AMW-02

Sheet 1 of 3



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:1304000 N:228330 (est)

AMW-02

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
173.6' (est)

Ecology Well Tag No.
BLZ 105

Operator
Tim Rider

Exploration Method(s)
Sonic

Work Start/Completion Dates
7/18/2019 to 7/19/2019

Top of Casing Elev. (NAVD88)
173.3' (est)

Depth to Water (Below GS)
30' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
135		2 inch diameter 0.010 inch slot Sch 40 PVC slotted screen					SILTY SAND (SM); moist, brown; fine to medium sand, trace fine gravel	
40		▽ 7/19/2019 Perched					Becomes gray, very moist to wet.	40
130		Threaded bottom cap			PID=26.3 Sheen=None			
45		Backfilled with hydrated bentonite chips					SANDY SILT (ML); moist, gray; fine to medium sand, trace fine gravel	45
50							SILTY SAND WITH GRAVEL AND COBBLES (SM); moist, gray; fine to coarse sand, fine to coarse gravel	
55							Becomes sandier, less silty	
120								
55							Strong solvent-like odor	55
115								
60							Slight solvent-like odor, becoming siltier with trace cobbles	60
110								
65								
105								
70							SANDY SILT WITH GRAVEL (ML); dry to moist, gray; fine to medium sand, fine to coarse sand; trace cobbles.	70

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

▽ Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: Mva 4/27/2022

Exploration Log
AMW-02

Sheet 2 of 3

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E: 1304000 N: 228330 (est)

AMW-02

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
173.6' (est)

Ecology Well Tag No.
BLZ 105

Operator
Tim Rider

Exploration Method(s)
Sonic

Work Start/Completion Dates
7/18/2019 to 7/19/2019

Top of Casing Elev. (NAVD88)
173.3' (est)

Depth to Water (Below GS)
30' (ATD)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
100		Backfilled with hydrated bentonite chips					SANDY SILT WITH GRAVEL (ML); dry to moist, gray; fine to medium sand, fine to coarse sand; trace cobbles. (continued)	75
75							SILTY SAND WITH GRAVEL AND COBBLES (SM); moist, gray	80
95							Bottom of exploration at 80 ft. bgs.	80
80							Note: No solvent-like or petroleum-like odor except where noted.	90
90								85
85								90
80								85
75								90
70								95
65								100
60								105

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: KB
Approved by: MVA 4/27/2022

Exploration Log
AMW-02



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:-122.20 N:47.618 (est)

AMW-03

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Ecology Well Tag No.
BLZ 409

Cascade Drilling

TSi 150CC

Rotary core

172' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

John Wright

Sonic

3/27/2021

171.7' (est)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
170		Monument in concrete					ASPHALT; with base course.	
5		2 inch diameter Sch 40 PVC casing			PID=3.9 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); slightly moist, brown; fine sand, fine to coarse subangular gravel, subrounded cobbles.	5
10		Sealed with 3/8" hydrated bentonite chips			PID=2.5 Sheen=None			10
15					PID=31.1 Sheen=None		Becomes very moist	15
20				AMW-03-15	PID=31.3 Sheen=None		Becomes gray	20
25							SANDY SILT WITH GRAVEL (ML); slightly moist, dark gray; fine to medium sand; fine to coarse subangular gravel.	25
30							SILTY SAND WITH GRAVEL (SM); slightly moist, dark gray; fine to medium sand, fine to coarse subangular gravel, trace cobbles.	30
35		10/20 silica sand filter pack			PID=3.1 Sheen=None			35
				AMW-03-30				

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AMW-03

Sheet 1 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:-122.20 N:47.618 (est)

AMW-03

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
172' (est)

Ecology Well Tag No.
BLZ 409

Operator
John Wright

Exploration Method(s)
Sonic

Work Start/Completion Dates
3/27/2021

Top of Casing Elev. (NAVD88)
171.7' (est)

Depth to Water (Below GS)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
135		2 inch diameter 0.010 inch slot Sch 40 PVC slotted screen Threaded bottom cap. ▼ 3/27/2021		AMW-03-30	PID=8.0 Sheen=None		SILTY SAND WITH GRAVEL (SM); slightly moist, dark gray; fine to medium sand, fine to coarse subangular gravel, trace cobbles. (continued)	
40					PID=4.0 Sheen=None		SAND WITH SILT, GRAVEL, AND COBBLES (SP-SM); very moist, dark gray; fine to coarse sand, fine to coarse subangular gravel; subrounded cobbles.	40
130								
45				AMW-03-45	PID=0.9 Sheen=None		Bottom of exploration at 45 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	45
125								
50								
120								
55								
115								
60								
110								
65								
105								
70								

Legend

- No Soil Sample Recovery
- Continuous core 4" ID

Water Level

▼ Static Water Level

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: Mva 4/27/2022

Exploration Log
AMW-03

Sheet 2 of 2



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:-122.20 N:47.618 (est)

AMW-04
Ecology Well Tag No. BLZ 408

Contractor
Cascade Drilling

Equipment
TSi 150CC

Sampling Method
Rotary core

Ground Surface Elev. (NAVD88)
175' (est)

Operator
John Wright

Exploration Method(s)
Sonic

Work Start/Completion Dates
3/26/2021

Top of Casing Elev. (NAVD88)
174.7' (est)

Depth to Water (Below GS)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)
		Monument in concrete					ASPHALT; with base course.	
5	170	2 inch diameter Sch 40 PVC casing			PID=0.0 Sheen=None		SILTY SAND WITH GRAVEL AND COBBLES (SM); slightly moist, gray-brown; fine to coarse sand, subround fine to coarse gravel, subrounded cobbles.	
					PID=0.5 Sheen=None		SANDY SILT WITH GRAVEL (ML); slightly moist, gray-brown; fine to coarse sand, fine subrounded gravel, trace cobbles.	5
10	165	Hydrated 3/8 inch bentonite chips			PID=0.8 Sheen=None		SAND WITH SILT (SP-SM); slightly moist, brown; medium to coarse sand, trace fine gravel. SANDY SILT WITH GRAVEL (ML); slightly moist, graynon-plastic; fine to medium sand, fine subrounded gravel, trace cobbles.	10
15	160		AMW-04-10		PID=0.6 Sheen=None		SAND WITH SILT (SP-SM); very moist, gray/brown; fine to medium sand, fine to medium subangular gravel	15
					PID=0.3 Sheen=None		SANDY SILT WITH GRAVEL (ML); slightly moist, graynon-plastic; fine to medium sand, fine subrounded gravel, trace cobbles	
					PID=0.8 Sheen=None		SAND WITH SILT (SP-SM); very moist, gray/brown; fine to medium sand, fine to medium subangular gravel	
20	155				PID=0.8 Sheen=None		SANDY SILT WITH GRAVEL (ML); slightly moist, graynon-plastic; fine to medium sand, fine subrounded gravel, trace cobbles	20
			AMW-04-22.5		PID=1.6 Sheen=None		SILTY SAND WITH GRAVEL (SM); slightly moist, gray; fine sand, fine to medium subangular gravel	
25	150				PID=1.4 Sheen=None		Orange oxidation staining around gravel.	25
30	145	3/26/2021 10/20 silica sand filter pack			PID=1.2 Sheen=None PID=1.3 Sheen=None		SILTY SAND (SM); wet, gray; fine to coarse sand, trace fine gravel	30
							Becomes slightly moist with increased cobbles content	
35	140		AMW-04-35		PID=1.6 Sheen=None			35

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

Legend

Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log
AMW-04

Sheet 1 of 2



Skanska NE8 - 180587

Monitoring Well Log

Project Address & Site Specific Location

Coordinates (SPN NAD83 ft)

Exploration Number

10630, 10650, 10750 NE 8th Street, Bellevue, WA, See Figure 2.

E:-122.20 N:47.618 (est)

AMW-04
Ecology Well Tag No.
BLZ 408

Contractor

Equipment

Sampling Method

Ground Surface Elev. (NAVD88)

Cascade Drilling

TSi 150CC

Rotary core

175' (est)

Operator

Exploration Method(s)

Work Start/Completion Dates

Top of Casing Elev. (NAVD88)

Depth to Water (Below GS)

John Wright

Sonic

3/26/2021

174.7' (est)

Depth (feet)	Elev. (feet)	Exploration Notes and Completion Details	Sample Type/ID	Analytical Sample Number & Lab Test(s)	Field Tests	Material Type	Description	Depth (ft)	
40	135	2 inch diameter 0.010 inch slot Sch 40 PVC slotted screen			PID=1.4 Sheen=None		SILTY SAND (SM); wet, gray; fine to coarse sand, trace fine gravel (continued)	40	
45	130				PID=1.0 Sheen=None		Becomes dark gray, trace cobbles.	45	
50	125				Threaded bottom cap		PID=0.9 Sheen=None		50
55	120				AMW-04-50		PID=0.8 Sheen=None		55
60	115	PID=1.0 Sheen=None	Bottom of exploration at 60 ft. bgs. Note: No solvent-like or petroleum-like odor except where noted.	60					
65	110							65	
70	105							70	

Legend

Continuous core 4" ID

Water Level

Water Level ATD

See Exploration Log Key for explanation of symbols

Logged by: AO
Approved by: MVA 4/27/2022

Exploration Log
AMW-04

Sheet 2 of 2

NEW STANDARD EXPLORATION LOG TEMPLATE P:\GINT\PROJECT\SSKANSKA NE8 180587.GPJ April 27, 2022

APPENDIX C

Laboratory 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

June 3, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on May 23, 2019 from the Skanska NE8 180587, F&BI 905495 project. There are 36 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0603R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 23, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 905495 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
905495 -01	B08/MW01-052219
905495 -02	B09/MW02-052219
905495 -03	B10/MW03-052319
905495 -04	FMW-05-052319
905495 -05	FMW-06-052219
905495 -06	FMW-09-052319
905495 -07	FMW-11-052219
905495 -08	FMW-13-052319
905495 -09	FMW-14-052219
905495 -10	FMW-17-052319
905495 -11	FMW-18-052319

The NWTPH-Dx surrogates in samples FMW-13-052319 and FMW-14-052219 exceeded the acceptance criteria. There were not detections in the samples, therefore the data were acceptable.

A 6020B internal standard failed the acceptance criteria for samples FMW-09-052319 and FMW-13-052319. The samples were diluted and reanalyzed with acceptable results. Both data sets were reported.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19
Date Received: 05/23/19
Project: Skanska NE8 180587, F&BI 905495
Date Extracted: 05/24/19
Date Analyzed: 05/24/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
B08/MW01-052219 905495-01	<100	105
B09/MW02-052219 905495-02	<100	103
B10/MW03-052319 905495-03	<100	104
FMW-05-052319 905495-04	930	95
FMW-06-052219 905495-05	190	105
FMW-09-052319 905495-06	<100	103
FMW-11-052219 905495-07	<100	105
FMW-13-052319 905495-08	<100	102
FMW-14-052219 905495-09	<100	100
FMW-17-052319 905495-10	<100	103
FMW-18-052319 905495-11	<100	99
Method Blank 09-859 MB	<100	108

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19
Date Received: 05/23/19
Project: Skanska NE8 180587, F&BI 905495
Date Extracted: 05/24/19
Date Analyzed: 05/24/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 51-134)
B08/MW01-052219 905495-01	<50	<250	111
B09/MW02-052219 905495-02	<50	<250	118
B10/MW03-052319 905495-03	<50	<250	128
FMW-05-052319 905495-04	7,100	<250	124
FMW-06-052219 905495-05	380	<250	90
FMW-09-052319 905495-06	80 x	<250	119
FMW-11-052219 905495-07	<50	<250	126
FMW-13-052319 905495-08	<50	<250	140 vo
FMW-14-052219 905495-09	<50	<250	137 vo
FMW-17-052319 905495-10	300	<250	133

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19
Date Received: 05/23/19
Project: Skanska NE8 180587, F&BI 905495
Date Extracted: 05/24/19
Date Analyzed: 05/24/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
FMW-18-052319 905495-11	340	<250	128
Method Blank 09-1230 MB	<50	<250	103

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	B09/MW02-052219	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/30/19	Lab ID:	905495-02
Date Analyzed:	05/30/19	Data File:	905495-02.111
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Barium	10.7
Cadmium	<1
Chromium	<5
Lead	<1
Mercury	<1
Selenium	1.18
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	FMW-05-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/30/19	Lab ID:	905495-04
Date Analyzed:	05/30/19	Data File:	905495-04.112
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	32.7
Barium	31.6
Cadmium	<1
Chromium	<5
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	FMW-09-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/30/19	Lab ID:	905495-06
Date Analyzed:	05/30/19	Data File:	905495-06.113
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	3.93
Barium	11.3
Cadmium	<1
Chromium	<5
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	FMW-13-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/30/19	Lab ID:	905495-08
Date Analyzed:	05/30/19	Data File:	905495-08.114
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.79
Barium	15.7
Cadmium	<1
Chromium	<5
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/30/19	Lab ID:	I9-344 mb
Date Analyzed:	05/30/19	Data File:	I9-344 mb.107
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<5
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	B09/MW02-052219	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-02
Date Analyzed:	05/29/19	Data File:	905495-02.105
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Barium	11.0
Cadmium	<1
Chromium	1.67
Lead	<1
Mercury	<1
Selenium	1.08
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	FMW-05-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-04
Date Analyzed:	05/29/19	Data File:	905495-04.112
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	42.1
Barium	34.2
Cadmium	<1
Chromium	1.47
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	FMW-09-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-06
Date Analyzed:	05/29/19	Data File:	905495-06.118
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	20.7
Barium	79.3
Cadmium	<1
Chromium	27.5 J
Lead	4.43
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	FMW-09-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-06 x10
Date Analyzed:	05/30/19	Data File:	905495-06 x10.047
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Chromium	35.6
----------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	FMW-13-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-08
Date Analyzed:	05/29/19	Data File:	905495-08.119
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	48.0
Barium	57.3
Cadmium	<1
Chromium	14.0 J
Lead	2.22
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	FMW-13-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-08 x10
Date Analyzed:	05/30/19	Data File:	905495-08 x10.048
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Chromium	17.2
----------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	I9-340 mb
Date Analyzed:	05/29/19	Data File:	I9-340 mb.103
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B08/MW01-052219	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-01
Date Analyzed:	05/29/19	Data File:	052936.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	96	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	7.3
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	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	1.4	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B09/MW02-052219	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-02
Date Analyzed:	05/29/19	Data File:	052937.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	97	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	<50	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	1,1,2,2-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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B10/MW03-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-03
Date Analyzed:	05/29/19	Data File:	052938.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	97	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	<50	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-05-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-04
Date Analyzed:	05/29/19	Data File:	052939.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	98	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	31	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	52
Acetone	<50	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	8.8
Hexane	1.8	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	17
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	17
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	2.8	1,3,5-Trimethylbenzene	12
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	24
Benzene	14	sec-Butylbenzene	5.8
Trichloroethene	<1	p-Isopropyltoluene	6.9
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	96
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-06-052219	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/31/19	Lab ID:	905495-05
Date Analyzed:	05/31/19	Data File:	053108.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	1.0
Vinyl chloride	20	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	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	9.2	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	0.90	sec-Butylbenzene	1.8
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	2.8
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-09-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-06
Date Analyzed:	05/29/19	Data File:	052941.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	97	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	<50	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-11-052219	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-07
Date Analyzed:	05/29/19	Data File:	052942.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	98	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	<50	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: FMW-13-052319	Client: Aspect Consulting, LLC
Date Received: 05/23/19	Project: Skanska NE8 180587, F&BI 905495
Date Extracted: 05/29/19	Lab ID: 905495-08
Date Analyzed: 05/29/19	Data File: 052943.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	96	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	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: FMW-14-052219	Client: Aspect Consulting, LLC
Date Received: 05/23/19	Project: Skanska NE8 180587, F&BI 905495
Date Extracted: 05/29/19	Lab ID: 905495-09
Date Analyzed: 05/29/19	Data File: 052944.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	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	6.1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	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	3.5	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-17-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-10
Date Analyzed:	05/29/19	Data File:	052945.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	57	121
Toluene-d8	97	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	1.2
Vinyl chloride	0.28	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	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	46	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	0.67	sec-Butylbenzene	1.7
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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-18-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	905495-11
Date Analyzed:	05/29/19	Data File:	052946.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

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	220 ve	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50	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	1.3	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	460 ve	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	2.0	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	FMW-18-052319	Client:	Aspect Consulting, LLC
Date Received:	05/23/19	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/30/19	Lab ID:	905495-11 1/10
Date Analyzed:	05/30/19	Data File:	053043.D
Matrix:	Water	Instrument:	GCMS9
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<10	1,3-Dichloropropane	<10
Chloromethane	<100	Tetrachloroethene	<10
Vinyl chloride	190	Dibromochloromethane	<10
Bromomethane	<10	1,2-Dibromoethane (EDB)	<10
Chloroethane	<10	Chlorobenzene	<10
Trichlorofluoromethane	<10	Ethylbenzene	<10
Acetone	<500	1,1,1,2-Tetrachloroethane	<10
1,1-Dichloroethene	<10	m,p-Xylene	<20
Hexane	<10	o-Xylene	<10
Methylene chloride	<50	Styrene	<10
Methyl t-butyl ether (MTBE)	<10	Isopropylbenzene	<10
trans-1,2-Dichloroethene	<10	Bromoform	<10
1,1-Dichloroethane	<10	n-Propylbenzene	<10
2,2-Dichloropropane	<10	Bromobenzene	<10
cis-1,2-Dichloroethene	450	1,3,5-Trimethylbenzene	<10
Chloroform	<10	1,1,2,2-Tetrachloroethane	<10
2-Butanone (MEK)	<100	1,2,3-Trichloropropane	<10
1,2-Dichloroethane (EDC)	<10	2-Chlorotoluene	<10
1,1,1-Trichloroethane	<10	4-Chlorotoluene	<10
1,1-Dichloropropene	<10	tert-Butylbenzene	<10
Carbon tetrachloride	<10	1,2,4-Trimethylbenzene	<10
Benzene	<3.5	sec-Butylbenzene	<10
Trichloroethene	<10	p-Isopropyltoluene	<10
1,2-Dichloropropane	<10	1,3-Dichlorobenzene	<10
Bromodichloromethane	<10	1,4-Dichlorobenzene	<10
Dibromomethane	<10	1,2-Dichlorobenzene	<10
4-Methyl-2-pentanone	<100	1,2-Dibromo-3-chloropropane	<100
cis-1,3-Dichloropropene	<10	1,2,4-Trichlorobenzene	<10
Toluene	<10	Hexachlorobutadiene	<10
trans-1,3-Dichloropropene	<10	Naphthalene	<10
1,1,2-Trichloroethane	<10	1,2,3-Trichlorobenzene	<10
2-Hexanone	<100		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587, F&BI 905495
Date Extracted:	05/29/19	Lab ID:	09-1212 mb
Date Analyzed:	05/29/19	Data File:	052910.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	96	63	127
4-Bromofluorobenzene	96	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	<50	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/23/19

Project: Skanska NE8 180587, F&BI 905495

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 905495-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	89	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/23/19

Project: Skanska NE8 180587, F&BI 905495

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

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	102	122	58-134	18

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/23/19

Project: Skanska NE8 180587, F&BI 905495

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR DISSOLVED METALS USING EPA METHOD 6020B**

Laboratory Code: 905495-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	5.79	94	93	75-125	1
Barium	ug/L (ppb)	50	15.7	102	102	75-125	0
Cadmium	ug/L (ppb)	5	<1	99	99	75-125	0
Chromium	ug/L (ppb)	20	<5	94	99	75-125	5
Lead	ug/L (ppb)	10	<1	91	90	75-125	1
Mercury	ug/L (ppb)	5	<1	94	95	75-125	1
Selenium	ug/L (ppb)	5	<1	97	95	75-125	2
Silver	ug/L (ppb)	5	<1	86	88	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	93	80-120
Barium	ug/L (ppb)	50	93	80-120
Cadmium	ug/L (ppb)	5	96	80-120
Chromium	ug/L (ppb)	20	95	80-120
Lead	ug/L (ppb)	10	97	80-120
Mercury	ug/L (ppb)	5	98	80-120
Selenium	ug/L (ppb)	5	97	80-120
Silver	ug/L (ppb)	5	94	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/23/19

Project: Skanska NE8 180587, F&BI 905495

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 905495-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	<1	96	98	75-125	2
Barium	ug/L (ppb)	50	11.0	94	94	75-125	0
Cadmium	ug/L (ppb)	5	<1	94	94	75-125	0
Chromium	ug/L (ppb)	20	1.67	95	97	75-125	2
Lead	ug/L (ppb)	10	<1	88	89	75-125	1
Mercury	ug/L (ppb)	5	<1	90	91	75-125	1
Selenium	ug/L (ppb)	5	1.08	98	99	75-125	1
Silver	ug/L (ppb)	5	<1	90	91	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	94	80-120
Barium	ug/L (ppb)	50	97	80-120
Cadmium	ug/L (ppb)	5	99	80-120
Chromium	ug/L (ppb)	20	95	80-120
Lead	ug/L (ppb)	10	94	80-120
Mercury	ug/L (ppb)	5	94	80-120
Selenium	ug/L (ppb)	5	96	80-120
Silver	ug/L (ppb)	5	97	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/23/19

Project: Skanska NE8 180587, F&BI 905495

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

Laboratory Code: 905451-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	ug/L (ppb)	50	<1	91	96	10-172	5
Chloromethane	ug/L (ppb)	50	<10	90	95	25-166	5
Vinyl chloride	ug/L (ppb)	50	<0.2	97	104	36-166	7
Bromomethane	ug/L (ppb)	50	<1	91	95	47-169	4
Chloroethane	ug/L (ppb)	50	<1	89	95	46-160	7
Trichlorofluoromethane	ug/L (ppb)	50	<1	92	96	44-165	4
Acetone	ug/L (ppb)	250	<50	91	92	10-182	1
1,1-Dichloroethene	ug/L (ppb)	50	<1	102	106	60-136	4
Hexane	ug/L (ppb)	50	<1	92	93	52-150	1
Methylene chloride	ug/L (ppb)	50	<5	95	98	67-132	3
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	96	101	74-127	5
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	94	97	72-129	3
1,1-Dichloroethane	ug/L (ppb)	50	<1	97	100	70-128	3
2,2-Dichloropropane	ug/L (ppb)	50	<1	93	97	36-154	4
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	97	100	71-127	3
Chloroform	ug/L (ppb)	50	<1	95	98	65-132	3
2-Butanone (MEK)	ug/L (ppb)	250	<10	99	100	10-129	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	90	93	69-133	3
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	99	103	60-146	4
1,1-Dichloropropene	ug/L (ppb)	50	<1	97	100	69-133	3
Carbon tetrachloride	ug/L (ppb)	50	<1	99	104	56-152	5
Benzene	ug/L (ppb)	50	<0.35	94	98	76-125	4
Trichloroethene	ug/L (ppb)	50	<1	93	96	66-135	3
1,2-Dichloropropane	ug/L (ppb)	50	<1	97	100	78-125	3
Bromodichloromethane	ug/L (ppb)	50	<1	104	106	61-150	2
Dibromomethane	ug/L (ppb)	50	<1	100	102	66-141	2
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	106	110	10-185	4
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	103	105	72-132	2
Toluene	ug/L (ppb)	50	<1	96	98	76-122	2
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	105	106	76-130	1
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	103	105	68-131	2
2-Hexanone	ug/L (ppb)	250	<10	104	107	10-185	3
1,3-Dichloropropane	ug/L (ppb)	50	<1	102	103	71-128	1
Tetrachloroethene	ug/L (ppb)	50	<1	101	104	10-226	3
Dibromochloromethane	ug/L (ppb)	50	<1	109	111	70-139	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	102	105	69-134	3
Chlorobenzene	ug/L (ppb)	50	<1	95	98	77-122	3
Ethylbenzene	ug/L (ppb)	50	<1	98	101	69-135	3
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	105	109	73-137	4
m,p-Xylene	ug/L (ppb)	100	<2	98	101	69-135	3
o-Xylene	ug/L (ppb)	50	<1	96	100	60-140	4
Styrene	ug/L (ppb)	50	<1	100	104	71-133	4
Isopropylbenzene	ug/L (ppb)	50	<1	101	105	65-142	4
Bromoform	ug/L (ppb)	50	<1	114	113	65-142	1
n-Propylbenzene	ug/L (ppb)	50	<1	103	105	58-144	2
Bromobenzene	ug/L (ppb)	50	<1	102	103	75-124	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	105	106	66-137	1
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	105	108	51-154	3
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	102	104	53-150	2
2-Chlorotoluene	ug/L (ppb)	50	<1	103	106	66-127	3
4-Chlorotoluene	ug/L (ppb)	50	<1	103	104	65-130	1
tert-Butylbenzene	ug/L (ppb)	50	<1	105	107	65-137	2
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	103	105	59-146	2
sec-Butylbenzene	ug/L (ppb)	50	<1	104	106	64-140	2
p-Isopropyltoluene	ug/L (ppb)	50	<1	103	105	65-141	2
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	101	104	72-123	3
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	98	100	69-126	2
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	101	104	69-128	3
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	108	112	32-164	4
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	105	110	66-136	5
Hexachlorobutadiene	ug/L (ppb)	50	<1	103	108	60-143	5
Naphthalene	ug/L (ppb)	50	<1	108	113	44-164	5
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	104	109	69-148	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/03/19

Date Received: 05/23/19

Project: Skanska NE8 180587, F&BI 905495

**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	107	100	25-158	7
Chloromethane	ug/L (ppb)	50	107	100	45-156	7
Vinyl chloride	ug/L (ppb)	50	117	108	50-154	8
Bromomethane	ug/L (ppb)	50	108	101	55-143	7
Chloroethane	ug/L (ppb)	50	107	100	58-146	7
Trichlorofluoromethane	ug/L (ppb)	250	108	101	50-150	7
Acetone	ug/L (ppb)	250	99	97	53-131	2
1,1-Dichloroethene	ug/L (ppb)	50	116	108	67-136	7
Hexane	ug/L (ppb)	50	99	98	57-137	1
Methylene chloride	ug/L (ppb)	50	109	100	39-148	9
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	114	106	64-147	7
trans-1,2-Dichloroethene	ug/L (ppb)	50	109	102	68-128	7
1,1-Dichloroethane	ug/L (ppb)	50	109	103	79-121	6
2,2-Dichloropropane	ug/L (ppb)	50	117	108	55-143	8
cis-1,2-Dichloroethene	ug/L (ppb)	50	110	103	80-123	7
Chloroform	ug/L (ppb)	50	106	101	80-121	5
2-Butanone (MEK)	ug/L (ppb)	250	95	100	57-149	5
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	93	95	73-132	2
1,1,1-Trichloroethane	ug/L (ppb)	50	114	107	83-130	6
1,1-Dichloropropene	ug/L (ppb)	50	105	103	77-129	2
Carbon tetrachloride	ug/L (ppb)	50	114	108	75-158	5
Benzene	ug/L (ppb)	50	101	100	69-134	1
Trichloroethene	ug/L (ppb)	50	98	99	80-120	1
1,2-Dichloropropane	ug/L (ppb)	50	100	100	77-123	0
Bromodichloromethane	ug/L (ppb)	50	108	108	81-133	0
Dibromomethane	ug/L (ppb)	50	103	103	82-125	0
4-Methyl-2-pentanone	ug/L (ppb)	250	104	109	65-138	5
cis-1,3-Dichloropropene	ug/L (ppb)	50	102	107	82-132	5
Toluene	ug/L (ppb)	50	101	102	72-122	1
trans-1,3-Dichloropropene	ug/L (ppb)	50	102	109	80-136	7
1,1,2-Trichloroethane	ug/L (ppb)	50	101	107	75-124	6
2-Hexanone	ug/L (ppb)	250	95	105	60-136	10
1,3-Dichloropropane	ug/L (ppb)	50	98	105	76-126	7
Tetrachloroethene	ug/L (ppb)	50	107	108	76-121	1
Dibromochloromethane	ug/L (ppb)	50	112	114	84-133	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	101	107	82-125	6
Chlorobenzene	ug/L (ppb)	50	99	101	83-114	2
Ethylbenzene	ug/L (ppb)	50	104	105	77-124	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	117	112	84-127	4
m,p-Xylene	ug/L (ppb)	100	103	104	83-125	1
o-Xylene	ug/L (ppb)	50	106	103	81-121	3
Styrene	ug/L (ppb)	50	106	108	84-119	2
Isopropylbenzene	ug/L (ppb)	50	112	108	85-117	4
Bromoform	ug/L (ppb)	50	120	120	74-136	0
n-Propylbenzene	ug/L (ppb)	50	106	108	74-126	2
Bromobenzene	ug/L (ppb)	50	102	106	80-121	4
1,3,5-Trimethylbenzene	ug/L (ppb)	50	111	109	78-123	2
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	107	109	66-126	2
1,2,3-Trichloropropane	ug/L (ppb)	50	102	107	67-124	5
2-Chlorotoluene	ug/L (ppb)	50	108	108	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	105	108	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	110	110	80-123	0
1,2,4-Trimethylbenzene	ug/L (ppb)	50	109	108	79-122	1
sec-Butylbenzene	ug/L (ppb)	50	110	108	80-125	2
p-Isopropyltoluene	ug/L (ppb)	50	110	108	81-123	2
1,3-Dichlorobenzene	ug/L (ppb)	50	105	107	85-116	2
1,4-Dichlorobenzene	ug/L (ppb)	50	100	103	84-121	3
1,2-Dichlorobenzene	ug/L (ppb)	50	108	107	85-116	1
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	118	115	57-141	3
1,2,4-Trichlorobenzene	ug/L (ppb)	50	117	111	72-130	5
Hexachlorobutadiene	ug/L (ppb)	50	118	110	53-141	7
Naphthalene	ug/L (ppb)	50	121	115	64-133	5
1,2,3-Trichlorobenzene	ug/L (ppb)	50	117	110	65-136	6

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

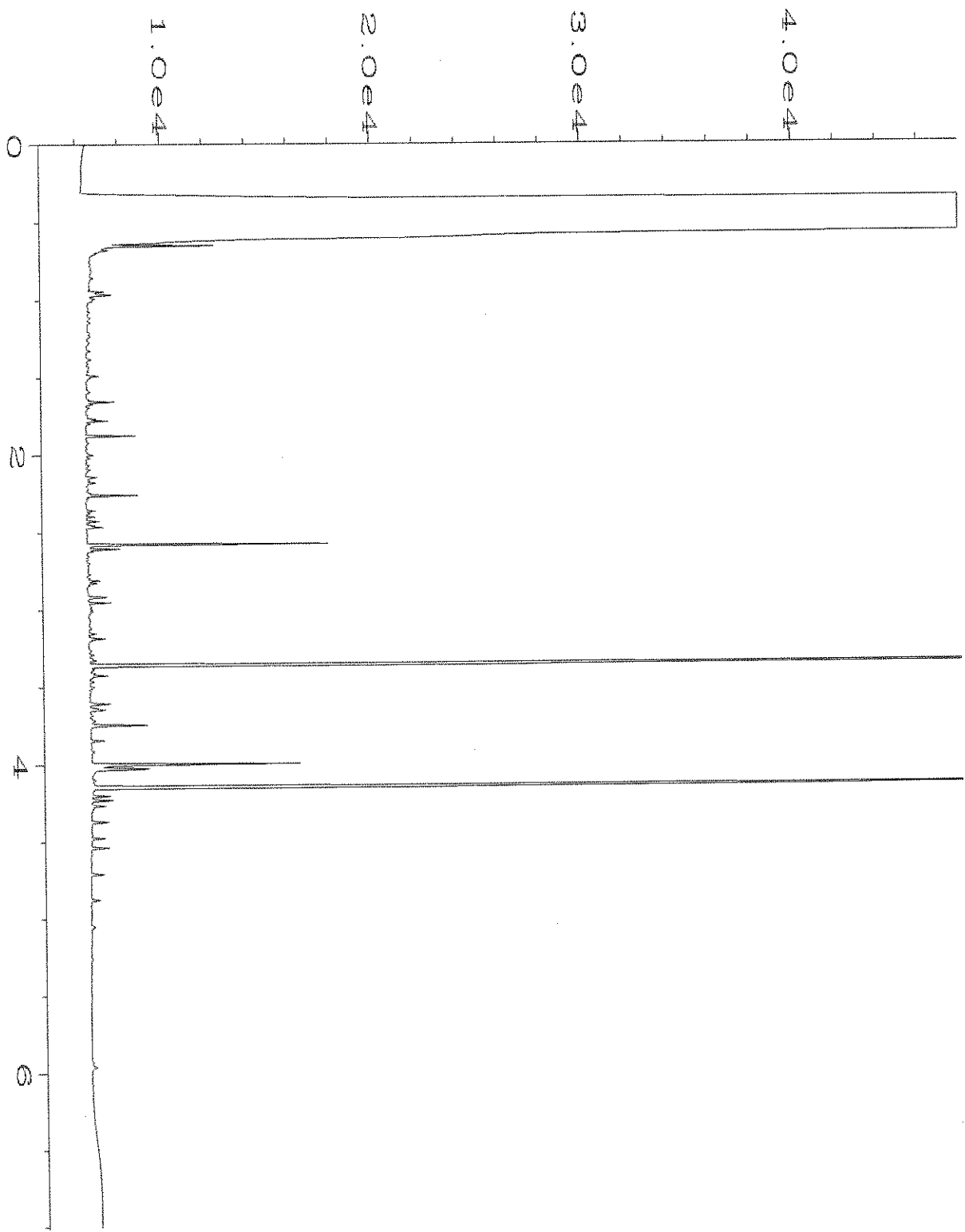
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

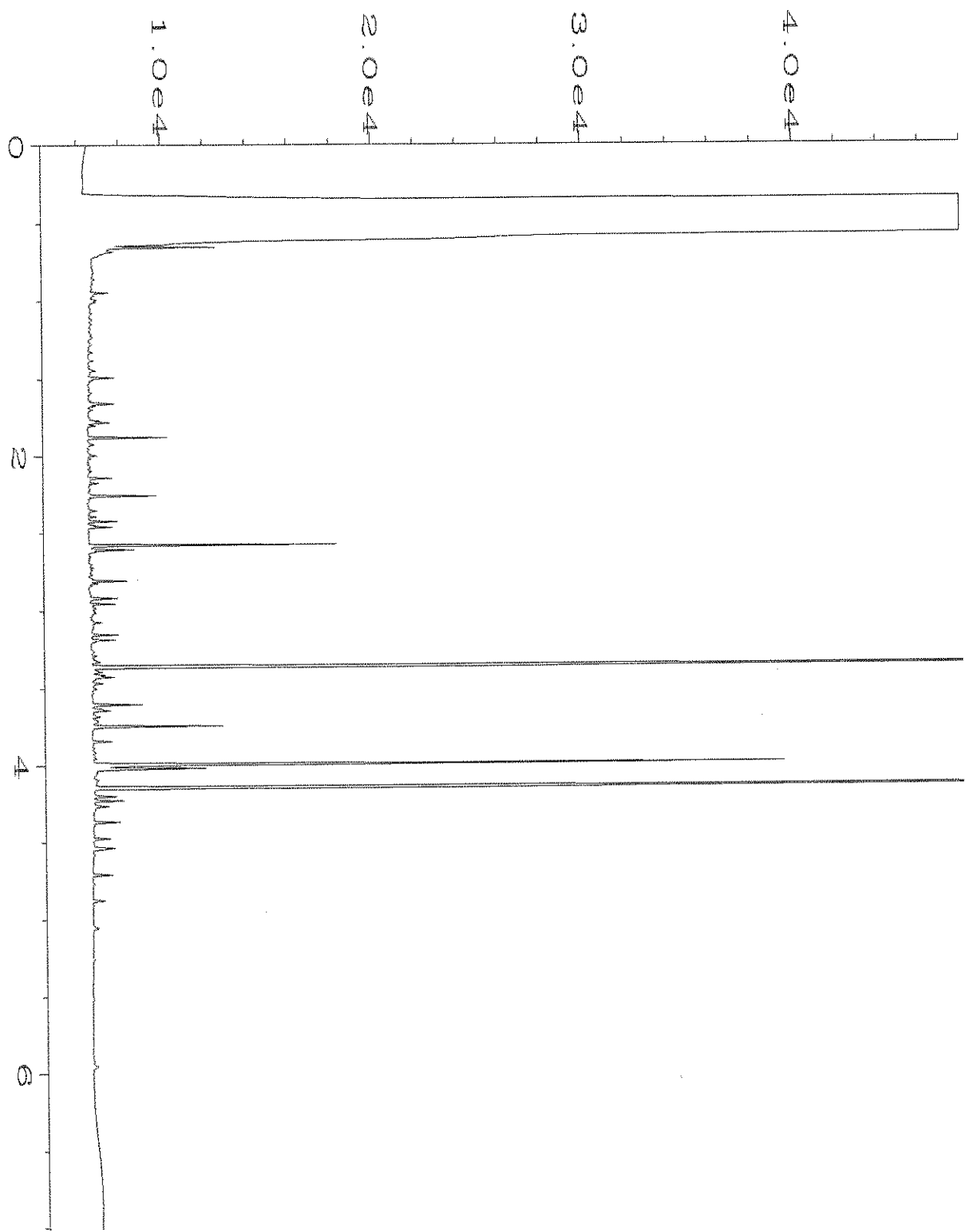
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

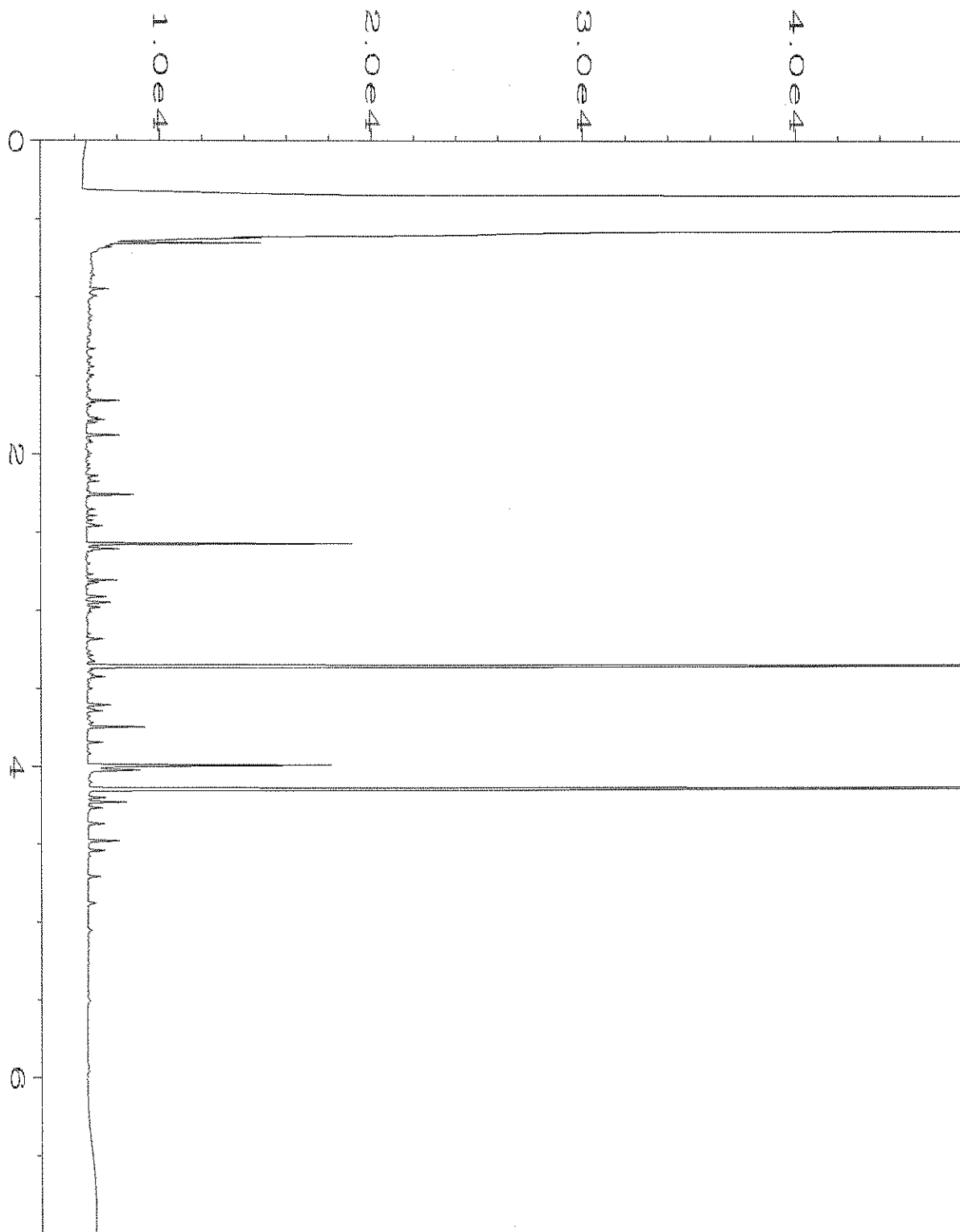
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



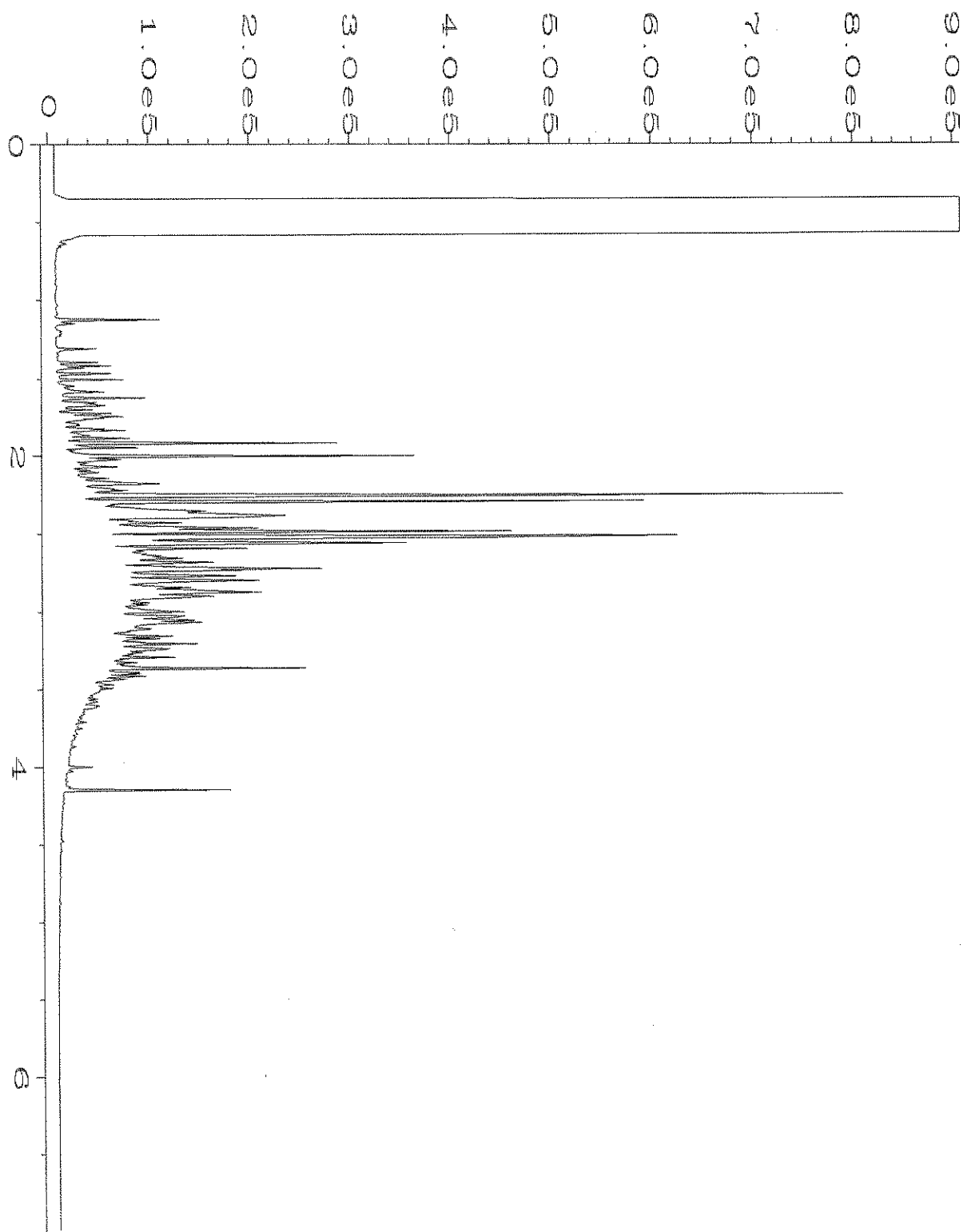
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\032F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 32
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-01	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 03:34 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:36 AM		



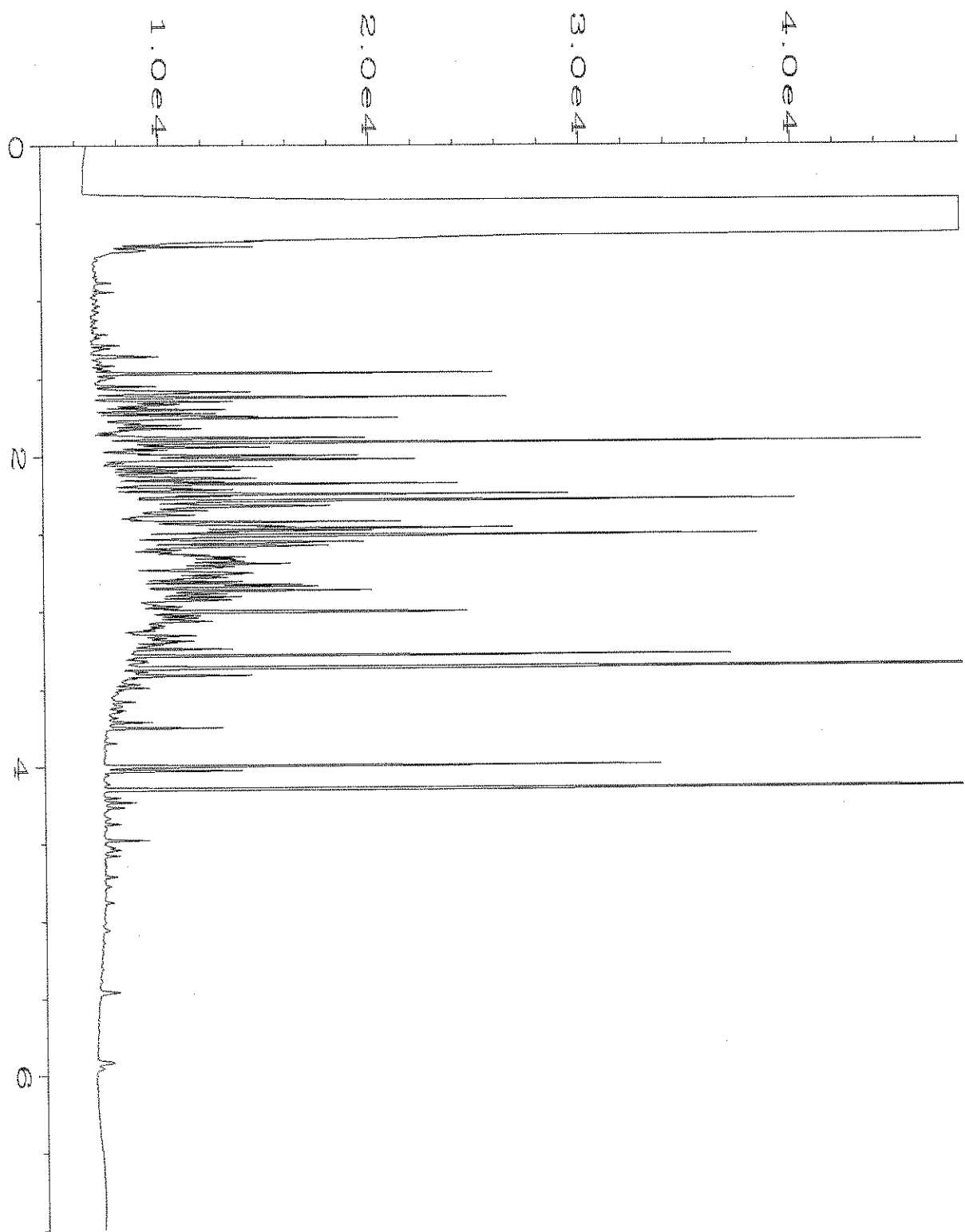
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\033F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 33
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-02	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 03:45 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:36 AM		



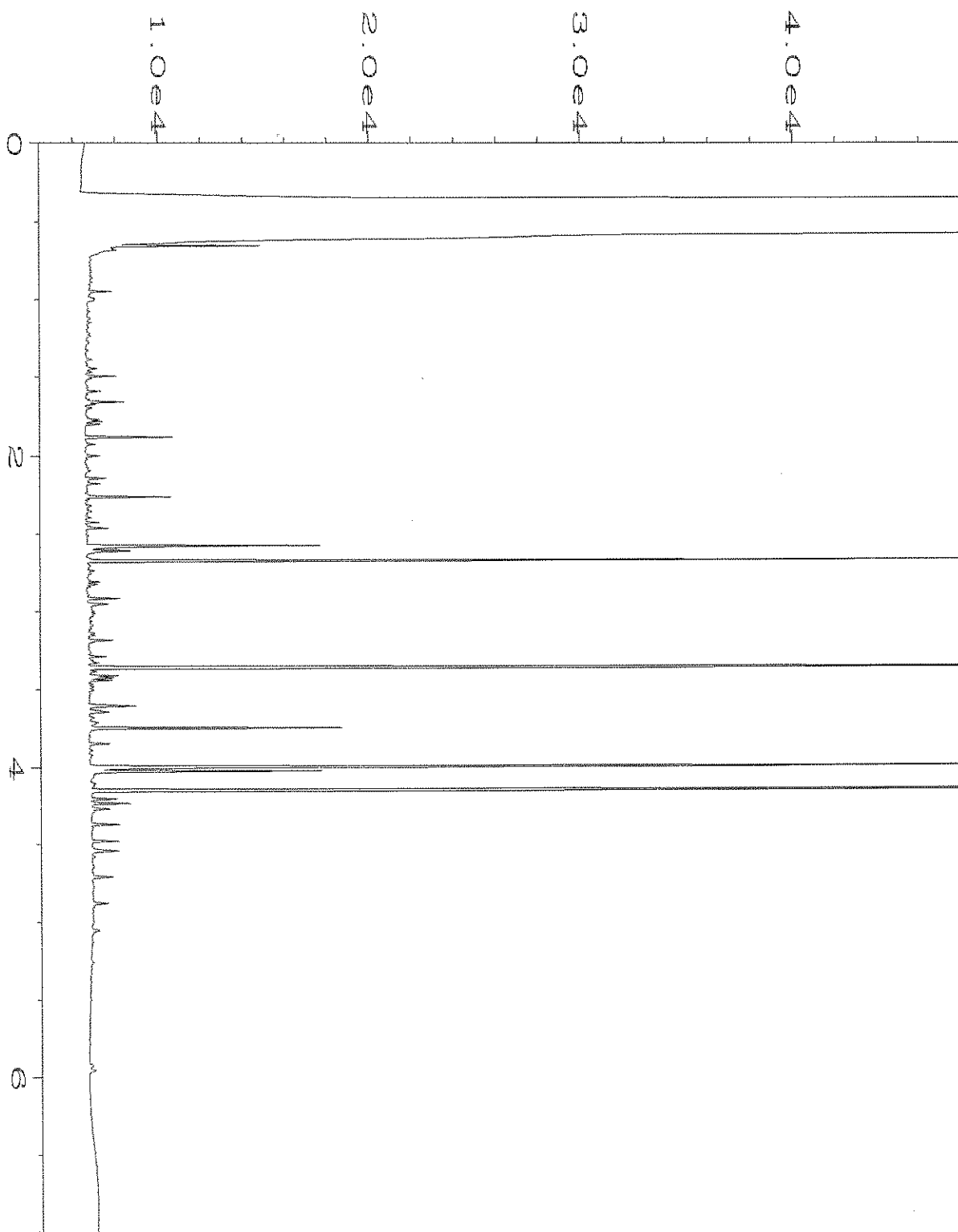
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\034F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 34
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-03	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 03:56 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:36 AM		



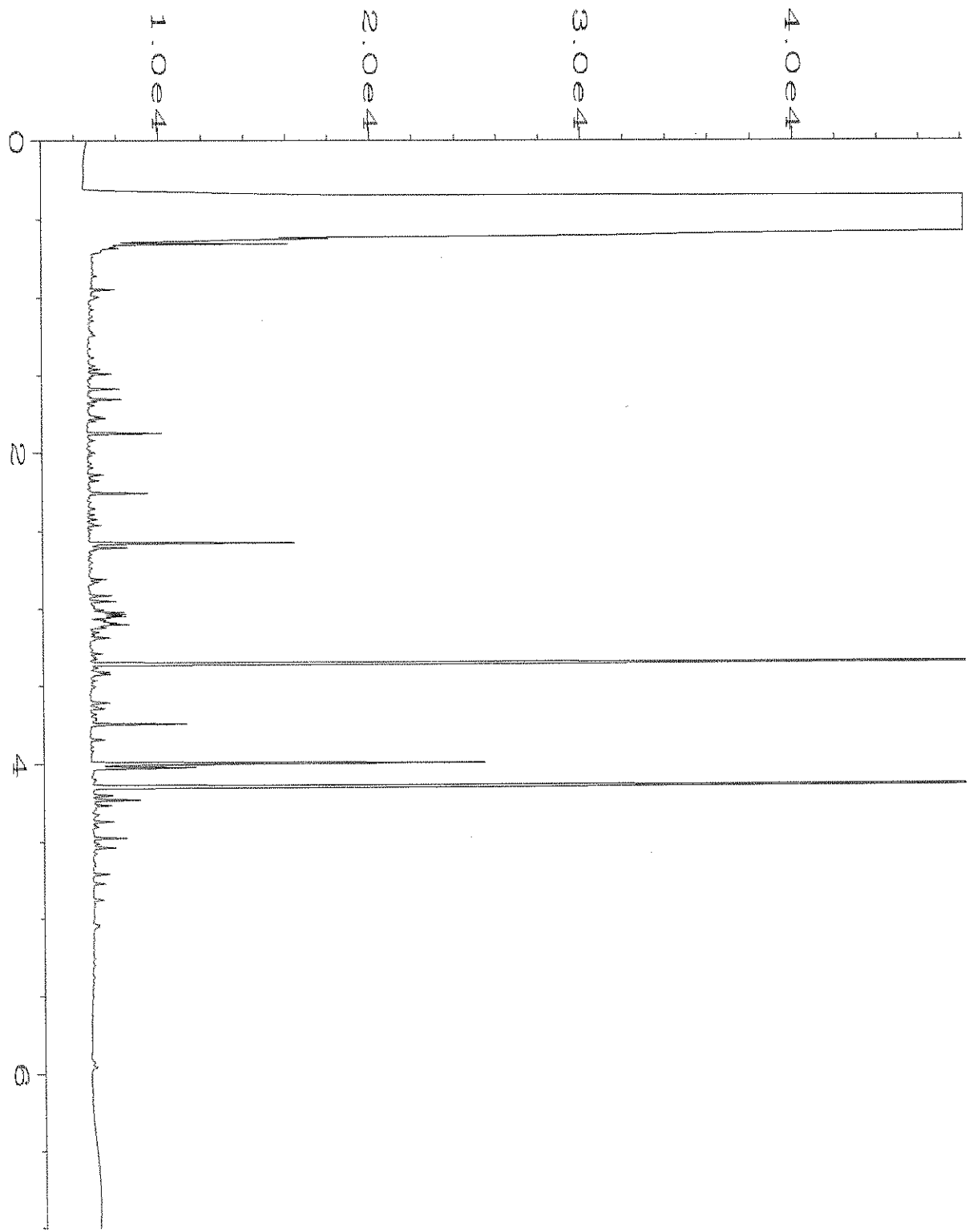
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\035F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 35
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-04	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 04:07 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:37 AM		



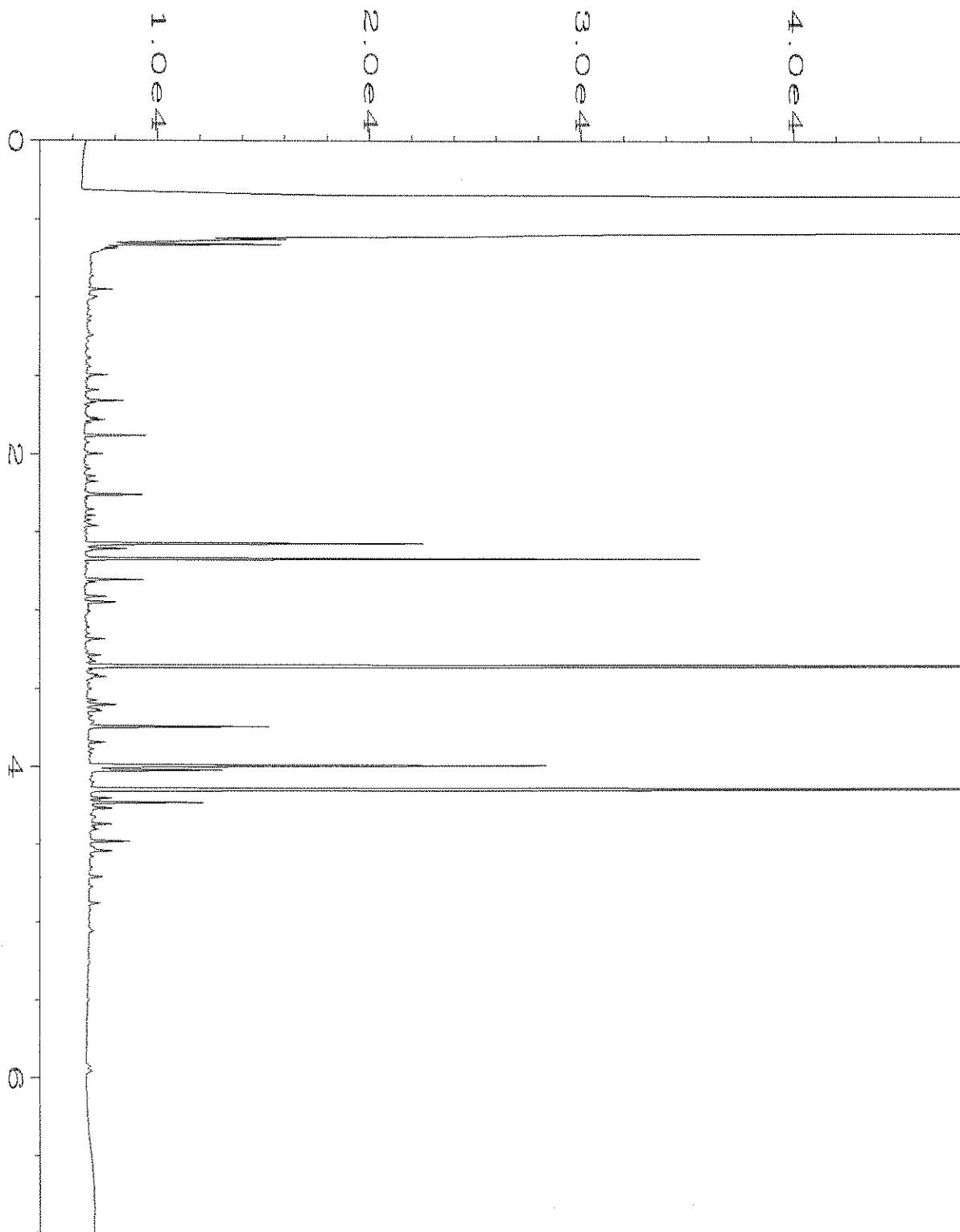
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\036F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 36
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-05	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 04:18 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:37 AM		



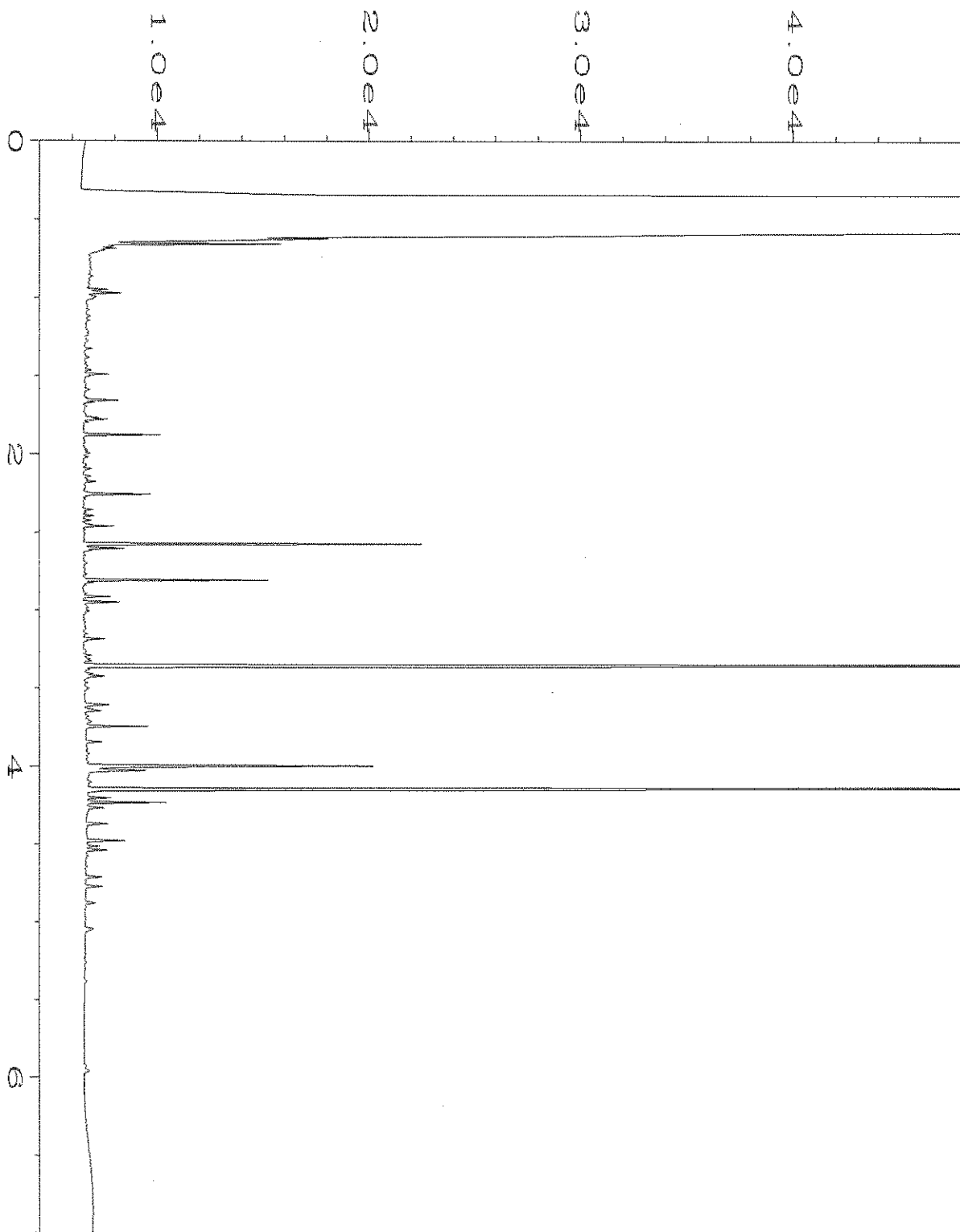
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\037F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 37
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-06	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 04:29 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:37 AM		



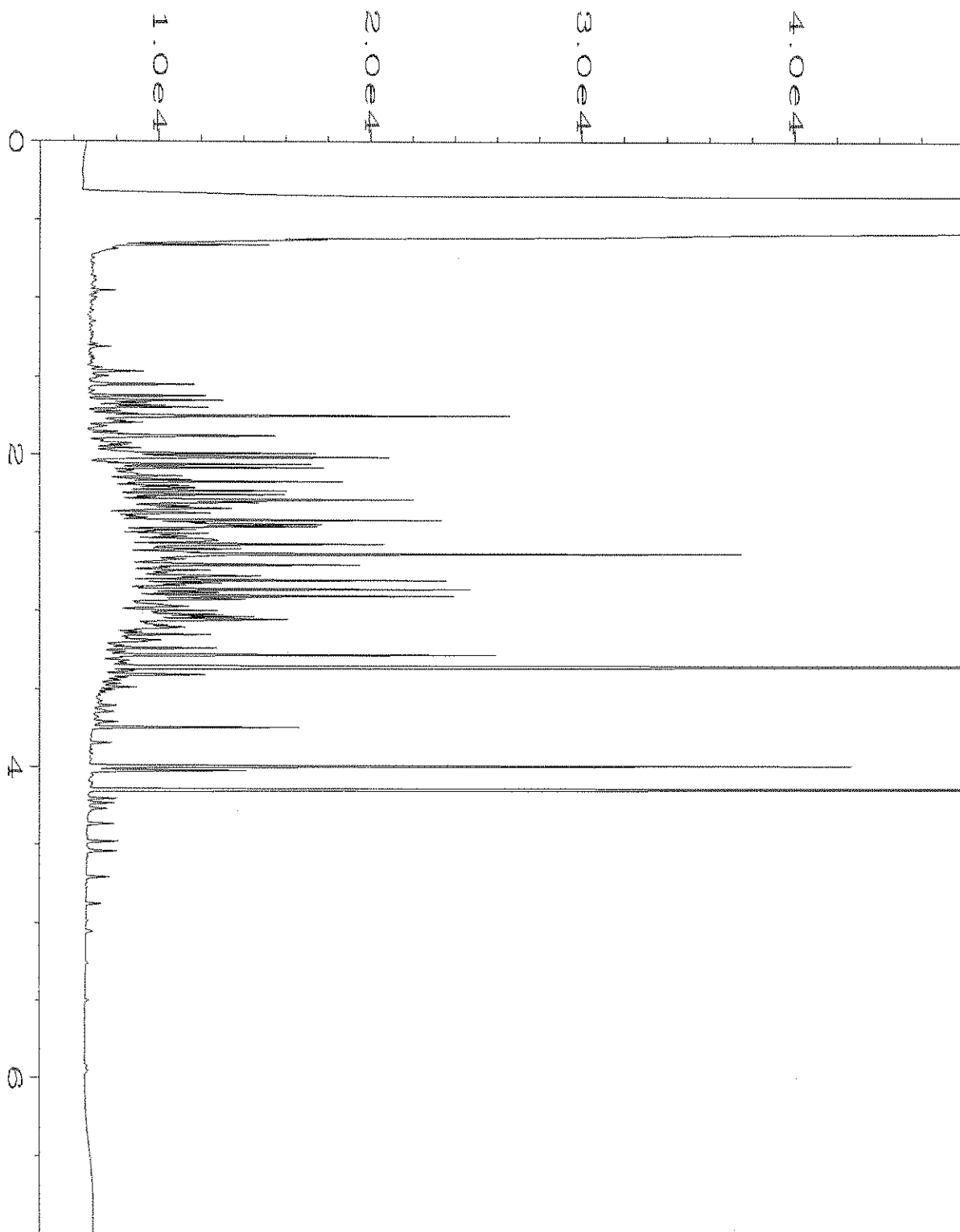
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\038F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 38
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-07	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 04:40 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:37 AM		



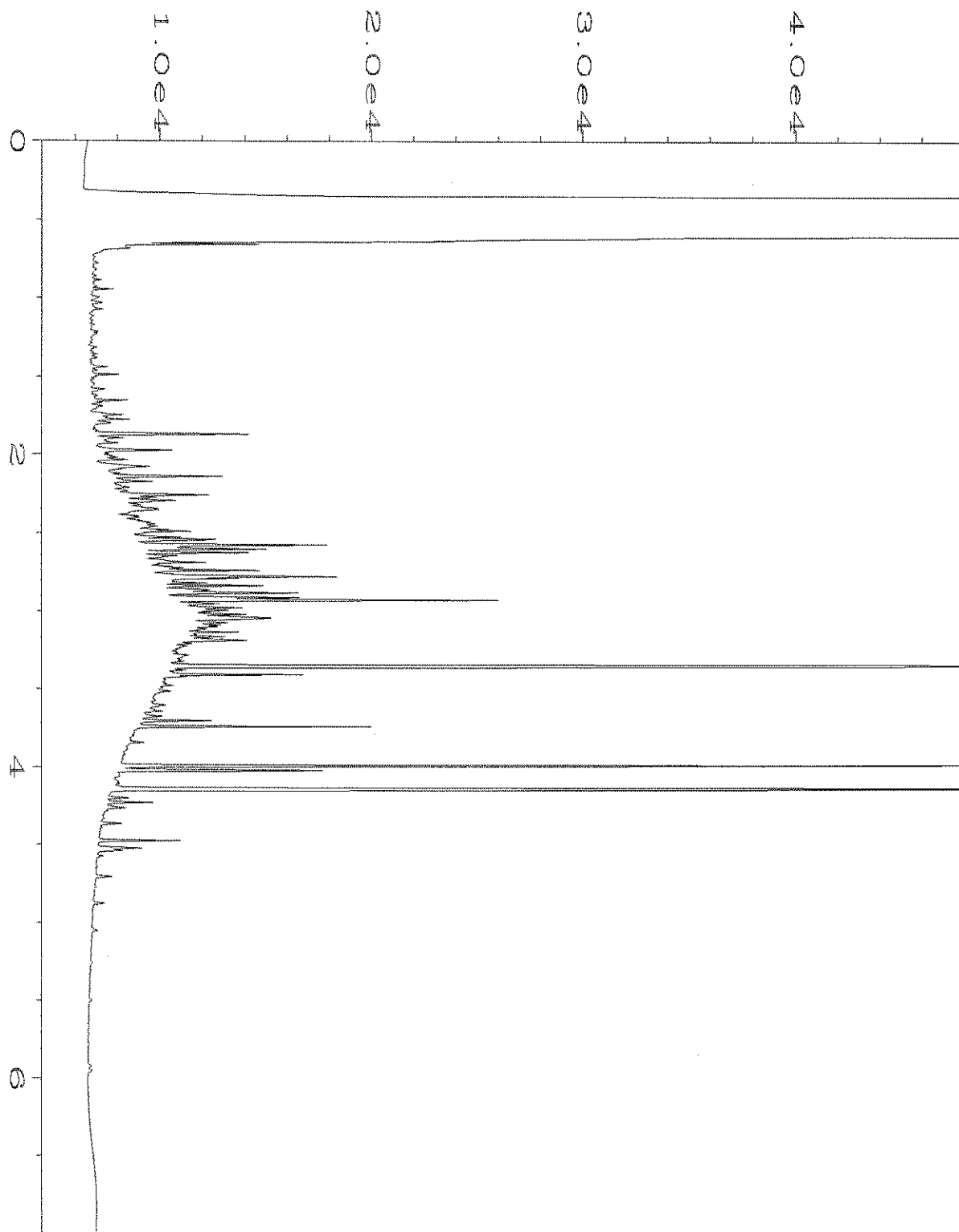
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\039F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 39
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-08	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 04:51 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:38 AM		



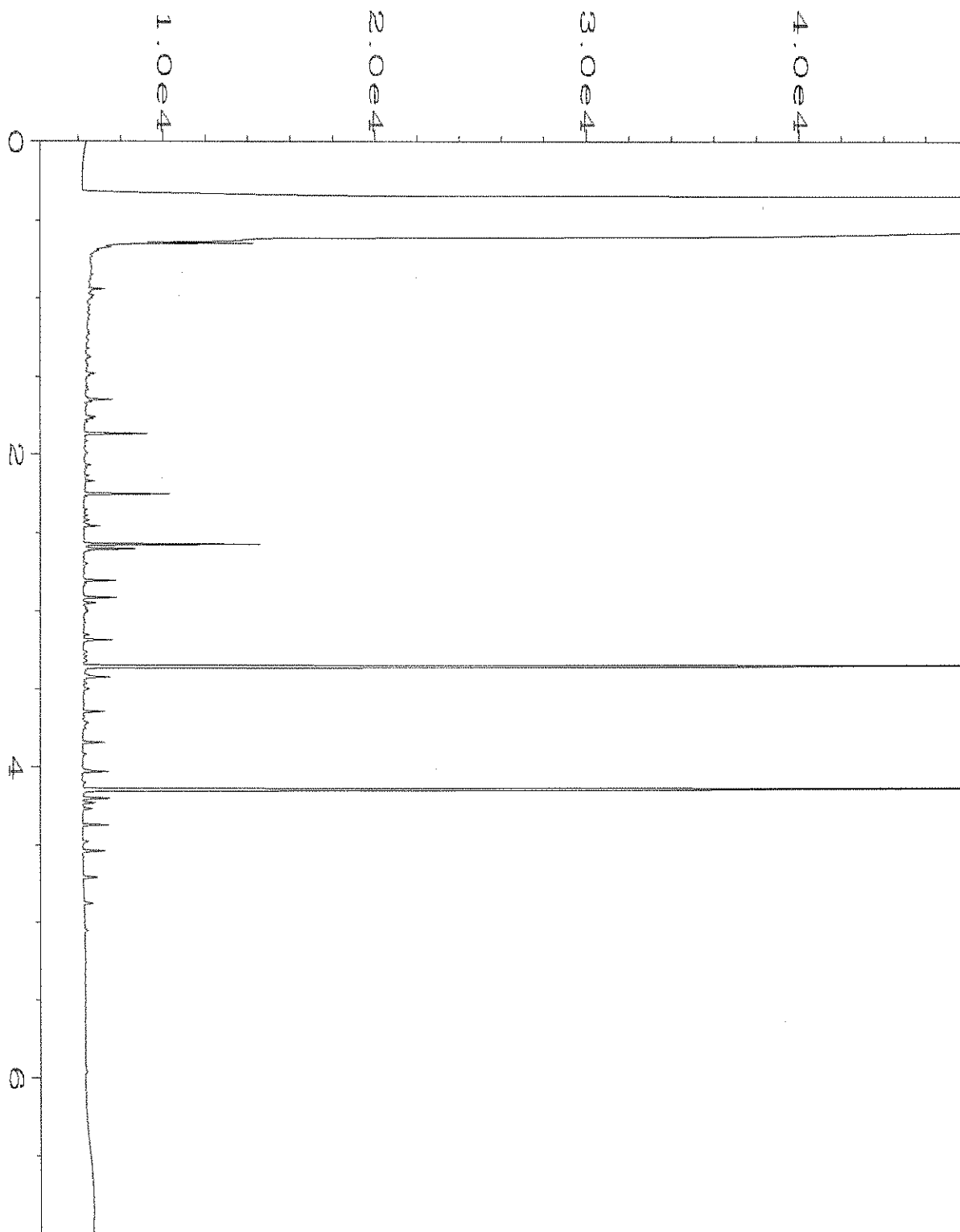
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\040F0701.D	Page Number	: 1
Operator	: TL	Vial Number	: 40
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-09	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 05:24 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:38 AM		



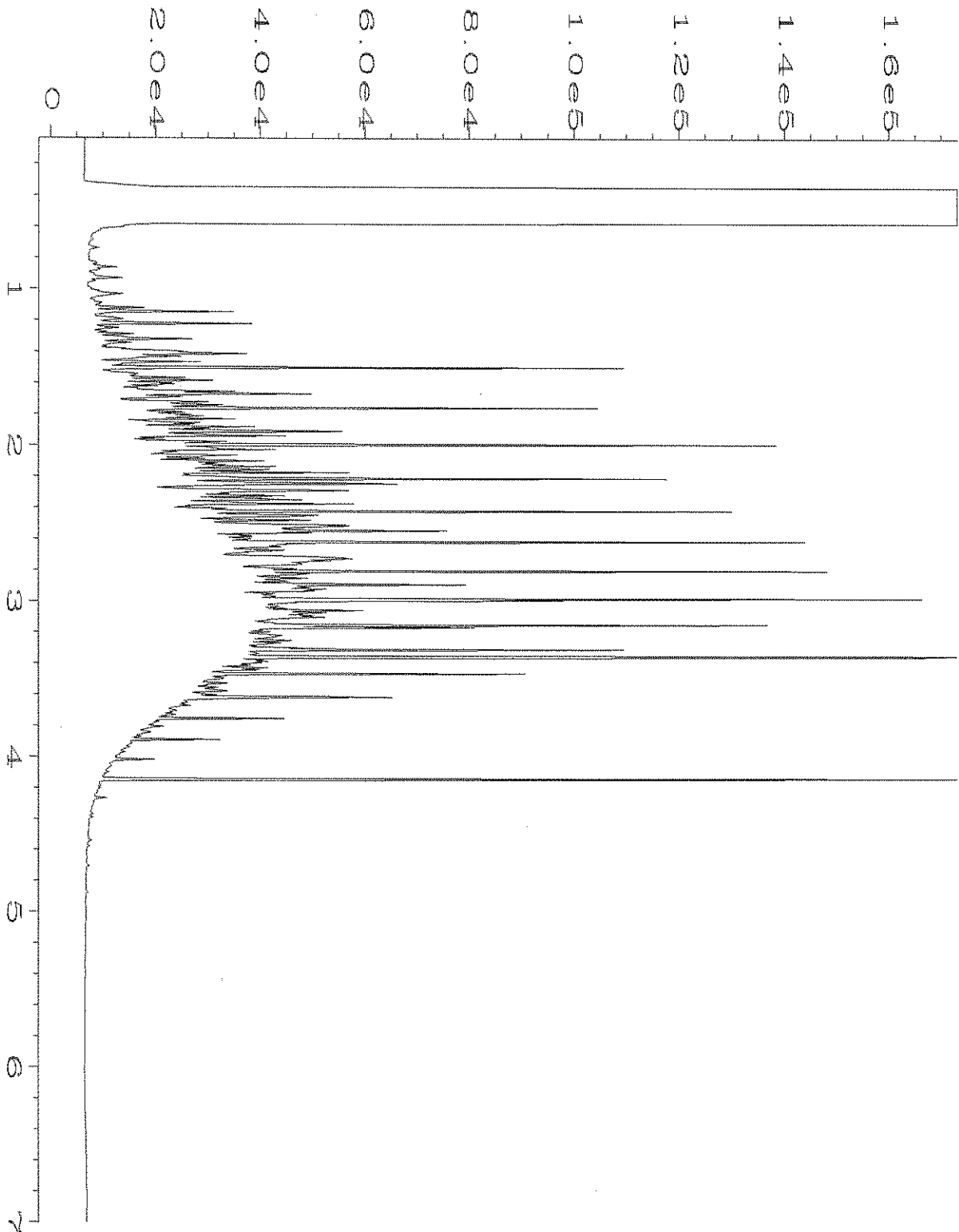
Data File Name	: C:\HPCHEM\6\DATA\05-24-19\041F0701.D	Page Number	: 1
Operator	: TL	Vial Number	: 41
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-10	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 05:35 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:38 AM		



Data File Name	: C:\HPCHEM\6\DATA\05-24-19\042F0701.D	Page Number	: 1
Operator	: TL	Vial Number	: 42
Instrument	: GC6	Injection Number	: 1
Sample Name	: 905495-11	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 05:46 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:38 AM		



Data File Name	: C:\HPCHEM\6\DATA\05-24-19\024F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 24
Instrument	: GC6	Injection Number	: 1
Sample Name	: 09-1230 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 01:40 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:32 AM		



Data File Name	: C:\HPCHEM\6\DATA\05-24-19\093F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 93
Instrument	: GC6	Injection Number	: 1
Sample Name	: 500 Dx 56-131E	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 May 19 05:13 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	28 May 19 10:38 AM		

905495

SAMPLE CHAIN OF CUSTODY

ME 05/23/19

WWS/EAJ

Report To Jessica Smith & Phil Cochran

Company Aspect Consulting

Address 710 2nd Ave Suite 8550

City, State, ZIP Seattle, WA 98104

Phone _____ Email _____

SAMPLERS (signature) Karl Beck

PROJECT NAME

Stanska NES

PO # 180587

REMARKS

INVOICE TO Accts Payable

Page # _____ of _____

TURNAROUND TIME

Standard Turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days

Archive Samples

Other

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes				
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		TOT/DISS Mctd			
B08/MW01-052219	01 A-G	5/22/19	1125	WATER	7	X	X	X	X	X							
B09/MW02-052219	02 A-I	5/22/19	1335		9	X	X	X	X	X		X					
B10/MW03-052319	03 A-G	5/23/19	0840		7	X	X	X	X	X		X					
FMW-05-052319	04 A-I	5/23/19	1316		9	X	X	X	X	X		X					
FMW-06-052219	05 A-G	5/22/19	1545		7	X	X	X	X	X		X					
FMW-09-052319	06 A-I	5/23/19	0925		9	X	X	X	X	X		X					
FMW-11-052219	07 A-G	5/22/19	1226		7	X	X	X	X	X		X					
FMW-13-052319	08 A-I	5/23/19	1430		9	X	X	X	X	X		X					
FMW-14-052219	09 A-G	5/22/19	1225		7	X	X	X	X	X		X					
FMW-17-052319	10 A-G	5/23/19	1016		7	X	X	X	X	X		X					

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>Karl Beck</u>		<u>Kristin Beck</u>		<u>Aspect</u>		<u>5/23/19</u>	
Received by: <u>[Signature]</u>		<u>BISANT TARDIST</u>		<u>FB1</u>		<u>5/23/19</u>	<u>17:25</u>
Relinquished by:							
Received by:							

Samples received at 6 oc

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 6, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on July 26, 2019 from the Skanska NES 180587, F&BI 907506 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect
ASP0806R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 26, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NES 180587, F&BI 907506 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
907506 -01	AMW-2-072619

A 6020B internal standard failed the acceptance criteria for sample AMW-2-072619. The sample was diluted and reanalyzed with acceptable results. Both data sets were reported.

The 6020B calibration standard failed the acceptance criteria for arsenic and chromium. The data were flagged accordingly. The sample was diluted and reanalyzed with acceptable results. Both data sets were reported.

Acetone in the 8260C laboratory control sample failed the acceptance criteria. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19
Date Received: 07/26/19
Project: Skanska NES 180587, F&BI 907506
Date Extracted: 07/31/19
Date Analyzed: 07/31/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-G_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 51-134)
AMW-2-072619 907506-01	<100	98
Method Blank 09-1813 MB	<100	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19
Date Received: 07/26/19
Project: Skanska NES 180587, F&BI 907506
Date Extracted: 07/29/19
Date Analyzed: 07/30/19

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-D_x**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> (% Recovery) (Limit 47-140)
AMW-2-072619 907506-01	110	<250	101
Method Blank 09-1817 MB2	<50	<250	113

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	AMW-2-072619	Client:	Aspect Consulting, LLC
Date Received:	07/26/19	Project:	Skanska NES 180587
Date Extracted:	07/29/19	Lab ID:	907506-01
Date Analyzed:	07/30/19	Data File:	907506-01.159
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.61 ca
Barium	12.9
Cadmium	<1
Chromium	<1 J ca
Lead	<1
Mercury	<1
Selenium	<1
Silver	<5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	AMW-2-072619	Client:	Aspect Consulting, LLC
Date Received:	07/26/19	Project:	Skanska NES 180587
Date Extracted:	07/29/19	Lab ID:	907506-01 x5
Date Analyzed:	08/01/19	Data File:	907506-01 x5.188
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.63
Chromium	<5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Dissolved Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska NES 180587
Date Extracted:	07/29/19	Lab ID:	I9-457 mb
Date Analyzed:	07/30/19	Data File:	I9-457 mb.040
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AMW-2-072619	Client:	Aspect Consulting, LLC
Date Received:	07/26/19	Project:	Skanska NES 180587
Date Extracted:	07/30/19	Lab ID:	907506-01
Date Analyzed:	07/30/19	Data File:	907506-01.124
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	5.36
Barium	13.5
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska NES 180587
Date Extracted:	07/30/19	Lab ID:	I9-459 mb
Date Analyzed:	07/30/19	Data File:	I9-459 mb.122
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	AMW-2-072619	Client:	Aspect Consulting, LLC
Date Received:	07/26/19	Project:	Skanska NES 180587
Date Extracted:	07/29/19	Lab ID:	907506-01
Date Analyzed:	07/29/19	Data File:	072943.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	97	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	3.7
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50 j1	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	5.2	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	4.7	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NES 180587
Date Extracted:	07/29/19	Lab ID:	09-1703 mb
Date Analyzed:	07/29/19	Data File:	072926.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	101	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	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<50 j1	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19

Date Received: 07/26/19

Project: Skanska NES 180587, F&BI 907506

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
SAMPLES FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 907506-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 20)
Gasoline	ug/L (ppb)	<100	<100	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	ug/L (ppb)	1,000	96	69-134

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19

Date Received: 07/26/19

Project: Skanska NES 180587, F&BI 907506

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

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	64	72	61-133	12

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19

Date Received: 07/26/19

Project: Skanska NES 180587, F&BI 907506

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR DISSOLVED METALS USING EPA METHOD 6020B**

Laboratory Code: 907486-04 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	3.72	107	106	75-125	1
Barium	ug/L (ppb)	50	33.6	108	109	75-125	1
Cadmium	ug/L (ppb)	5	<1	100	101	75-125	1
Chromium	ug/L (ppb)	20	<1	102	103	75-125	1
Lead	ug/L (ppb)	10	<1	87	88	75-125	1
Mercury	ug/L (ppb)	5	<1	94	95	75-125	1
Selenium	ug/L (ppb)	5	<1	108	107	75-125	1
Silver	ug/L (ppb)	5	<1	85	86	75-125	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	106	80-120
Barium	ug/L (ppb)	50	96	80-120
Cadmium	ug/L (ppb)	5	98	80-120
Chromium	ug/L (ppb)	20	96	80-120
Lead	ug/L (ppb)	10	97	80-120
Mercury	ug/L (ppb)	5	97	80-120
Selenium	ug/L (ppb)	5	107	80-120
Silver	ug/L (ppb)	5	101	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19

Date Received: 07/26/19

Project: Skanska NES 180587, F&BI 907506

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF WATER SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 907506-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	ug/L (ppb)	10	5.36	104	101	75-125	3
Barium	ug/L (ppb)	50	13.5	97	96	75-125	1
Cadmium	ug/L (ppb)	5	<1	94	95	75-125	1
Chromium	ug/L (ppb)	20	<1	93	94	75-125	1
Lead	ug/L (ppb)	10	<1	93	92	75-125	1
Mercury	ug/L (ppb)	5	<1	98	99	75-125	1
Selenium	ug/L (ppb)	5	<1	97	96	75-125	1
Silver	ug/L (ppb)	5	<5	93	93	75-125	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	ug/L (ppb)	10	95	80-120
Barium	ug/L (ppb)	50	95	80-120
Cadmium	ug/L (ppb)	5	95	80-120
Chromium	ug/L (ppb)	20	95	80-120
Lead	ug/L (ppb)	10	94	80-120
Mercury	ug/L (ppb)	5	95	80-120
Selenium	ug/L (ppb)	5	91	80-120
Silver	ug/L (ppb)	5	93	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19

Date Received: 07/26/19

Project: Skanska NES 180587, F&BI 907506

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

Laboratory Code: 907506-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent	Acceptance
				Recovery MS	Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	80	10-172
Chloromethane	ug/L (ppb)	50	<10	94	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	107	36-166
Bromomethane	ug/L (ppb)	50	<1	92	47-169
Chloroethane	ug/L (ppb)	50	<1	93	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	106	44-165
Acetone	ug/L (ppb)	250	<50	57	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	103	60-136
Hexane	ug/L (ppb)	50	<1	96	52-150
Methylene chloride	ug/L (ppb)	50	5.2	102	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	104	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	102	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	102	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	78	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	4.7	106	71-127
Chloroform	ug/L (ppb)	50	<1	102	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	80	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	102	48-149
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	104	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	104	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	103	56-152
Benzene	ug/L (ppb)	50	<0.35	103	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	105	61-150
Dibromomethane	ug/L (ppb)	50	<1	107	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	112	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	105	72-132
Toluene	ug/L (ppb)	50	<1	94	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	98	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	104	68-131
2-Hexanone	ug/L (ppb)	250	<10	98	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	103	71-128
Tetrachloroethene	ug/L (ppb)	50	3.7	100	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	104	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	103	69-134
Chlorobenzene	ug/L (ppb)	50	<1	101	77-122
Ethylbenzene	ug/L (ppb)	50	<1	98	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	106	73-137
m,p-Xylene	ug/L (ppb)	100	<2	99	69-135
o-Xylene	ug/L (ppb)	50	<1	99	60-140
Styrene	ug/L (ppb)	50	<1	102	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	101	65-142
Bromoform	ug/L (ppb)	50	<1	106	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	100	58-144
Bromobenzene	ug/L (ppb)	50	<1	101	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	101	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	108	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	103	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	101	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	100	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	102	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	101	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	102	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	100	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	102	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	98	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	100	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	104	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	103	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	96	60-143
Naphthalene	ug/L (ppb)	50	<1	104	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	102	69-148

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/06/19

Date Received: 07/26/19

Project: Skanska NES 180587, F&BI 907506

**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	93	76	25-158	20
Chloromethane	ug/L (ppb)	50	95	87	45-156	9
Vinyl chloride	ug/L (ppb)	50	101	92	50-154	9
Bromomethane	ug/L (ppb)	50	95	88	55-143	8
Chloroethane	ug/L (ppb)	50	98	92	58-146	6
Trichlorofluoromethane	ug/L (ppb)	250	108	101	50-150	7
Acetone	ug/L (ppb)	250	51 vo	53	53-131	4
1,1-Dichloroethene	ug/L (ppb)	50	102	100	67-136	2
Hexane	ug/L (ppb)	50	106	108	57-137	2
Methylene chloride	ug/L (ppb)	50	108	100	39-148	8
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	107	101	64-147	6
trans-1,2-Dichloroethene	ug/L (ppb)	50	108	102	68-128	6
1,1-Dichloroethane	ug/L (ppb)	50	106	101	79-121	5
2,2-Dichloropropane	ug/L (ppb)	50	120	112	55-143	7
cis-1,2-Dichloroethene	ug/L (ppb)	50	110	106	80-123	4
Chloroform	ug/L (ppb)	50	106	102	80-121	4
2-Butanone (MEK)	ug/L (ppb)	250	73	81	57-149	10
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	100	101	73-132	1
1,1,1-Trichloroethane	ug/L (ppb)	50	108	102	81-125	6
1,1-Dichloropropene	ug/L (ppb)	50	106	104	77-129	2
Carbon tetrachloride	ug/L (ppb)	50	107	102	75-158	5
Benzene	ug/L (ppb)	50	103	102	69-134	1
Trichloroethene	ug/L (ppb)	50	102	100	79-113	2
1,2-Dichloropropane	ug/L (ppb)	50	102	105	77-123	3
Bromodichloromethane	ug/L (ppb)	50	105	105	81-133	0
Dibromomethane	ug/L (ppb)	50	106	109	82-125	3
4-Methyl-2-pentanone	ug/L (ppb)	250	101	110	65-138	9
cis-1,3-Dichloropropene	ug/L (ppb)	50	107	112	82-132	5
Toluene	ug/L (ppb)	50	97	95	72-122	2
trans-1,3-Dichloropropene	ug/L (ppb)	50	103	107	80-136	4
1,1,2-Trichloroethane	ug/L (ppb)	50	102	106	75-124	4
2-Hexanone	ug/L (ppb)	250	87	101	60-136	15
1,3-Dichloropropane	ug/L (ppb)	50	99	105	76-126	6
Tetrachloroethene	ug/L (ppb)	50	105	102	76-121	3
Dibromochloromethane	ug/L (ppb)	50	105	107	84-133	2
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	99	104	82-115	5
Chlorobenzene	ug/L (ppb)	50	103	102	83-114	1
Ethylbenzene	ug/L (ppb)	50	101	100	77-124	1
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	114	107	84-127	6
m,p-Xylene	ug/L (ppb)	100	103	101	81-112	2
o-Xylene	ug/L (ppb)	50	105	100	81-121	5
Styrene	ug/L (ppb)	50	103	104	84-119	1
Isopropylbenzene	ug/L (ppb)	50	108	102	80-117	6
Bromoform	ug/L (ppb)	50	105	108	74-136	3
n-Propylbenzene	ug/L (ppb)	50	108	103	74-126	5
Bromobenzene	ug/L (ppb)	50	105	102	80-121	3
1,3,5-Trimethylbenzene	ug/L (ppb)	50	111	103	78-123	7
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	109	109	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	103	103	67-124	0
2-Chlorotoluene	ug/L (ppb)	50	108	102	77-127	6
4-Chlorotoluene	ug/L (ppb)	50	105	102	78-128	3
tert-Butylbenzene	ug/L (ppb)	50	111	102	80-123	8
1,2,4-Trimethylbenzene	ug/L (ppb)	50	110	103	79-122	7
sec-Butylbenzene	ug/L (ppb)	50	112	103	80-116	8
p-Isopropyltoluene	ug/L (ppb)	50	112	103	81-123	8
1,3-Dichlorobenzene	ug/L (ppb)	50	106	103	83-113	3
1,4-Dichlorobenzene	ug/L (ppb)	50	101	98	83-107	3
1,2-Dichlorobenzene	ug/L (ppb)	50	108	101	84-112	7
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	112	106	57-141	6
1,2,4-Trichlorobenzene	ug/L (ppb)	50	120	106	72-130	12
Hexachlorobutadiene	ug/L (ppb)	50	115	101	53-141	13
Naphthalene	ug/L (ppb)	50	120	104	64-133	14
1,2,3-Trichlorobenzene	ug/L (ppb)	50	123	105	65-136	16

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

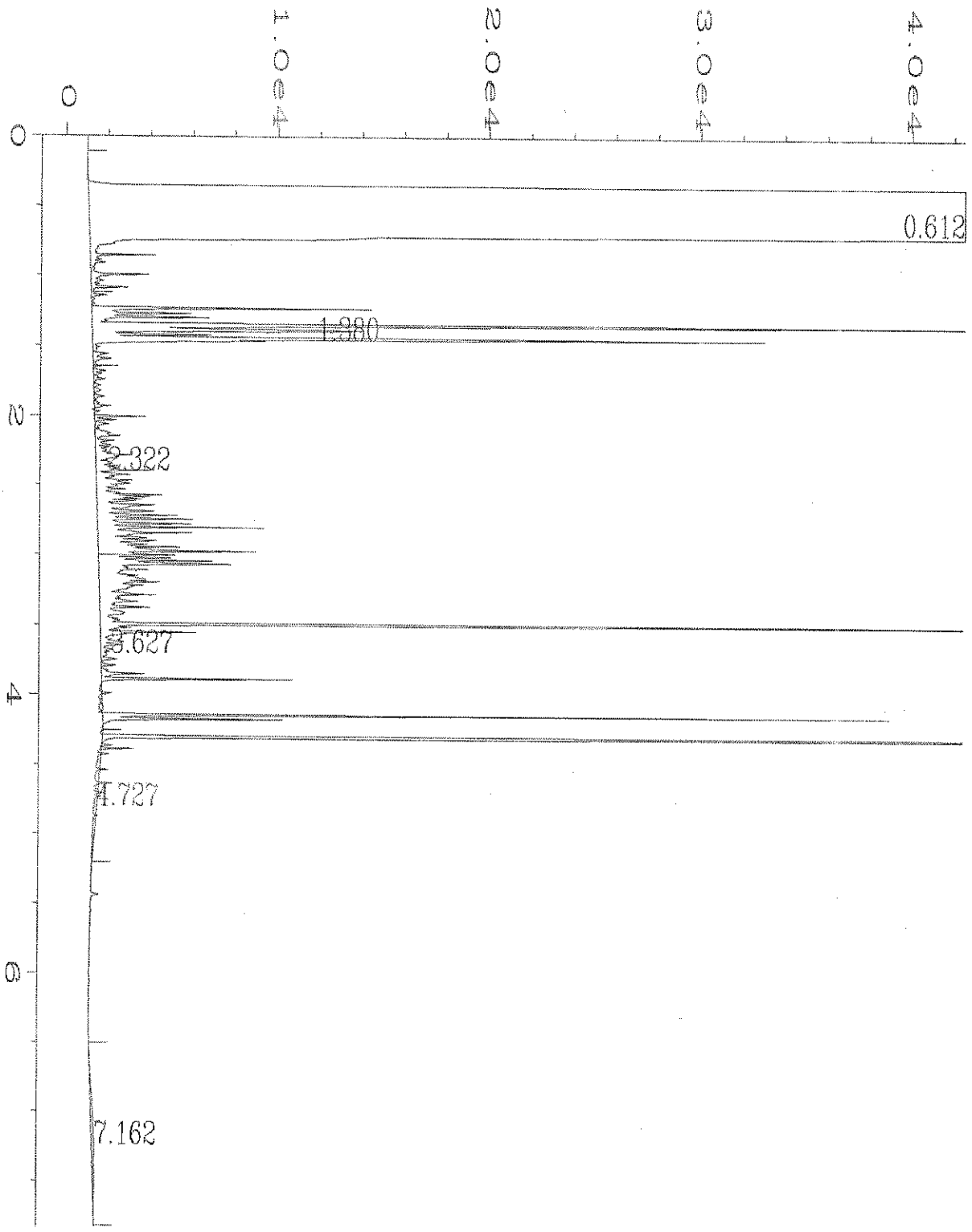
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

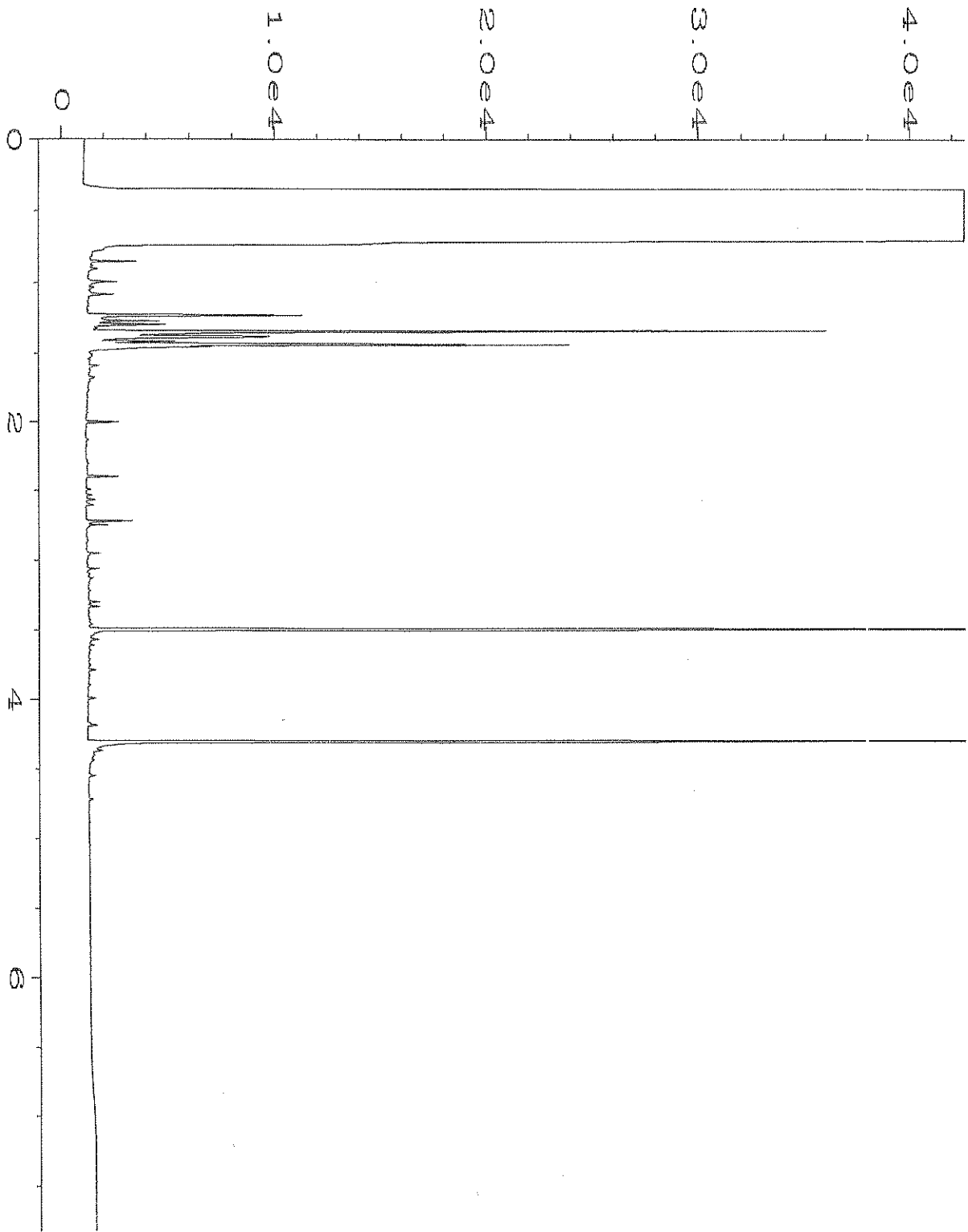
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

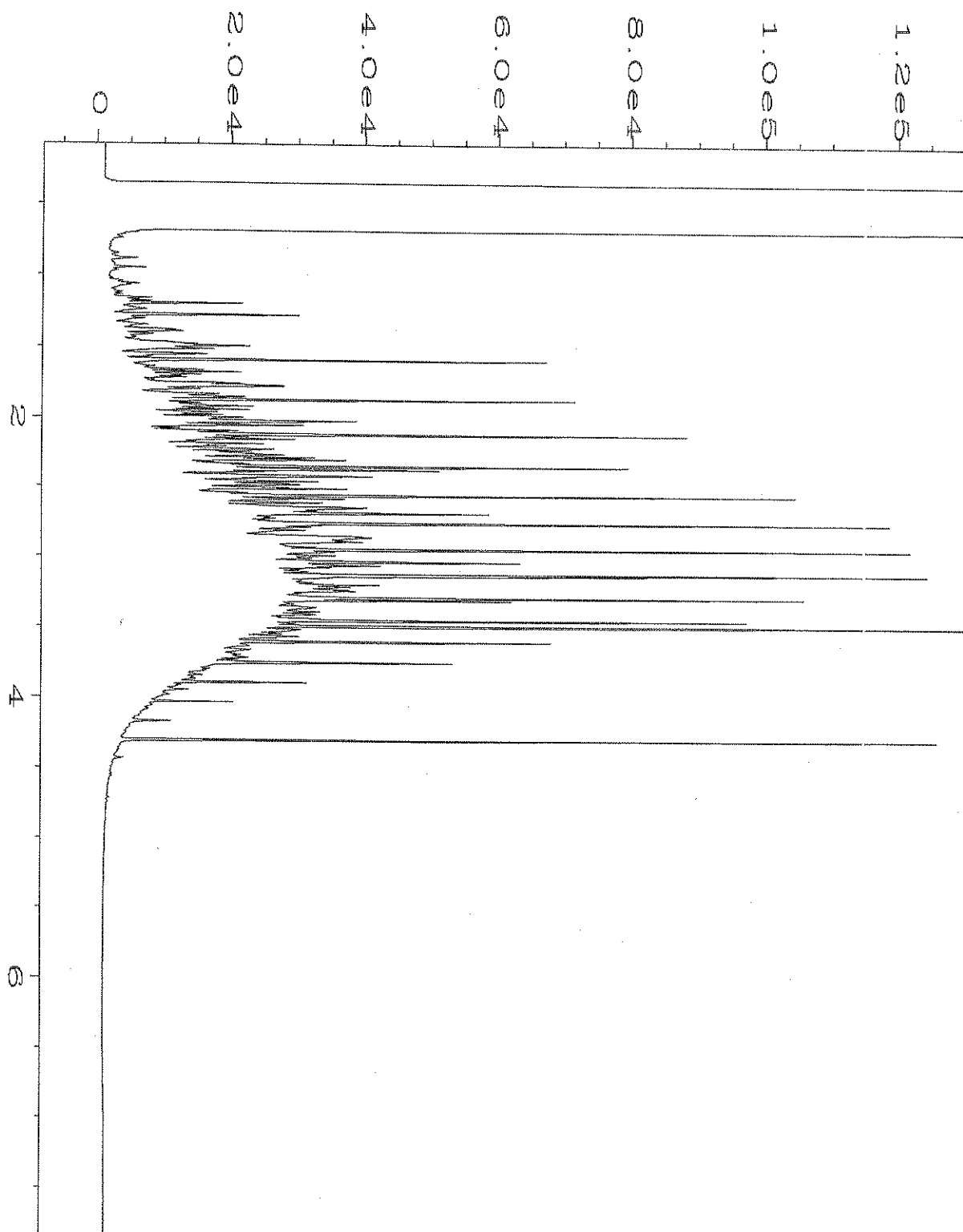
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\4\DATA\07-30-19\012F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 12
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907506-01	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 30 Jul 19 09:53 AM	Analysis Method	: DX.MTH
Report Created on:	30 Jul 19 10:13 AM		



Data File Name	: C:\HPCHEM\4\DATA\07-30-19\006F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 6
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 09-1817 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 30 Jul 19 08:42 AM	Analysis Method	: DX.MTH
Report Created on:	31 Jul 19 09:56 AM		



Data File Name	: C:\HPCHEM\4\DATA\07-30-19\003F0201.D	Page Number	: 1
Operator	: TL	Vial Number	: 3
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 500 Dx 57-78E	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 30 Jul 19 06:41 AM	Analysis Method	: DX.MTH
Report Created on:	31 Jul 19 09:56 AM		



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

Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

RE: NE8 Redevelopment
Work Order Number: 2103462

March 30, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 7 sample(s) on 3/26/2021 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260D

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,

Brianna Barnes
Project Manager

CC:
Amelia Oates
Jessica Smith

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original



CLIENT: Aspect Consulting
Project: NE8 Redevelopment
Work Order: 2103462

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103462-001	B10/MW03-03252021	03/25/2021 2:30 PM	03/26/2021 3:50 PM
2103462-002	B09/MW02-03262021	03/26/2021 8:25 AM	03/26/2021 3:50 PM
2103462-003	B08/MW01-03262021	03/26/2021 10:05 AM	03/26/2021 3:50 PM
2103462-004	FMW-14-03262021	03/26/2021 11:13 AM	03/26/2021 3:50 PM
2103462-005	FMW-05-03262021	03/26/2021 12:45 PM	03/26/2021 3:50 PM
2103462-006	AMW-02-032621	03/26/2021 2:10 PM	03/26/2021 3:50 PM
2103462-007	Trip Blank		03/26/2021 3:50 PM

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

CLIENT: Aspect Consulting
Project: NE8 Redevelopment

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.

Qualifiers:

- * - Flagged value is not within established control limits
- 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
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting
Project: NE8 Redevelopment
Lab ID: 2103462-001
Client Sample ID: B10/MW03-03252021

Collection Date: 3/25/2021 2:30:00 PM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 31789	Analyst: MM
Diesel (Fuel Oil)	ND	99.8		µg/L	1	3/29/2021 12:01:30 PM
Heavy Oil	ND	99.8		µg/L	1	3/29/2021 12:01:30 PM
Surr: 2-Fluorobiphenyl	90.6	50 - 150		%Rec	1	3/29/2021 12:01:30 PM
Surr: o-Terphenyl	93.1	50 - 150		%Rec	1	3/29/2021 12:01:30 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 31777	Analyst: KT
Gasoline	ND	50.0		µg/L	1	3/26/2021 9:57:31 PM
Surr: Toluene-d8	98.2	65 - 135		%Rec	1	3/26/2021 9:57:31 PM
Surr: 4-Bromofluorobenzene	94.9	65 - 135		%Rec	1	3/26/2021 9:57:31 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 31777	Analyst: KT
Vinyl chloride	ND	0.350		µg/L	1	3/26/2021 9:57:31 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 9:57:31 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 9:57:31 PM
Benzene	ND	0.440		µg/L	1	3/26/2021 9:57:31 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/26/2021 9:57:31 PM
Toluene	ND	0.750		µg/L	1	3/26/2021 9:57:31 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/26/2021 9:57:31 PM
Ethylbenzene	ND	0.400		µg/L	1	3/26/2021 9:57:31 PM
m,p-Xylene	ND	1.00		µg/L	1	3/26/2021 9:57:31 PM
o-Xylene	ND	0.500		µg/L	1	3/26/2021 9:57:31 PM
Surr: Dibromofluoromethane	108	89.4 - 113		%Rec	1	3/26/2021 9:57:31 PM
Surr: Toluene-d8	102	87.8 - 114		%Rec	1	3/26/2021 9:57:31 PM
Surr: 1-Bromo-4-fluorobenzene	94.9	86.8 - 109		%Rec	1	3/26/2021 9:57:31 PM



Client: Aspect Consulting
Project: NE8 Redevelopment
Lab ID: 2103462-002
Client Sample ID: B09/MW02-03262021

Collection Date: 3/26/2021 8:25:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 31789	Analyst: MM
Diesel (Fuel Oil)	ND	97.3		µg/L	1	3/29/2021 12:44:54 PM
Heavy Oil	ND	97.3		µg/L	1	3/29/2021 12:44:54 PM
Surr: 2-Fluorobiphenyl	92.1	50 - 150		%Rec	1	3/29/2021 12:44:54 PM
Surr: o-Terphenyl	94.2	50 - 150		%Rec	1	3/29/2021 12:44:54 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 31777	Analyst: KT
Gasoline	ND	50.0		µg/L	1	3/26/2021 10:27:39 PM
Surr: Toluene-d8	96.3	65 - 135		%Rec	1	3/26/2021 10:27:39 PM
Surr: 4-Bromofluorobenzene	96.0	65 - 135		%Rec	1	3/26/2021 10:27:39 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 31777	Analyst: KT
Vinyl chloride	ND	0.350		µg/L	1	3/26/2021 10:27:39 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 10:27:39 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 10:27:39 PM
Benzene	ND	0.440		µg/L	1	3/26/2021 10:27:39 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/26/2021 10:27:39 PM
Toluene	ND	0.750		µg/L	1	3/26/2021 10:27:39 PM
Tetrachloroethene (PCE)	0.807	0.400		µg/L	1	3/26/2021 10:27:39 PM
Ethylbenzene	ND	0.400		µg/L	1	3/26/2021 10:27:39 PM
m,p-Xylene	ND	1.00		µg/L	1	3/26/2021 10:27:39 PM
o-Xylene	ND	0.500		µg/L	1	3/26/2021 10:27:39 PM
Surr: Dibromofluoromethane	109	89.4 - 113		%Rec	1	3/26/2021 10:27:39 PM
Surr: Toluene-d8	102	87.8 - 114		%Rec	1	3/26/2021 10:27:39 PM
Surr: 1-Bromo-4-fluorobenzene	95.9	86.8 - 109		%Rec	1	3/26/2021 10:27:39 PM



Client: Aspect Consulting
Project: NE8 Redevelopment
Lab ID: 2103462-003
Client Sample ID: B08/MW01-03262021

Collection Date: 3/26/2021 10:05:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 31789	Analyst: MM
Diesel (Fuel Oil)	ND	99.6		µg/L	1	3/29/2021 1:09:58 PM
Heavy Oil	ND	99.6		µg/L	1	3/29/2021 1:09:58 PM
Surr: 2-Fluorobiphenyl	97.6	50 - 150		%Rec	1	3/29/2021 1:09:58 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	3/29/2021 1:09:58 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 31777	Analyst: KT
Gasoline	ND	50.0		µg/L	1	3/26/2021 10:57:47 PM
Surr: Toluene-d8	97.2	65 - 135		%Rec	1	3/26/2021 10:57:47 PM
Surr: 4-Bromofluorobenzene	95.5	65 - 135		%Rec	1	3/26/2021 10:57:47 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 31777	Analyst: KT
Vinyl chloride	ND	0.350		µg/L	1	3/26/2021 10:57:47 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 10:57:47 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 10:57:47 PM
Benzene	ND	0.440		µg/L	1	3/26/2021 10:57:47 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/26/2021 10:57:47 PM
Toluene	ND	0.750		µg/L	1	3/26/2021 10:57:47 PM
Tetrachloroethene (PCE)	6.93	0.400		µg/L	1	3/26/2021 10:57:47 PM
Ethylbenzene	ND	0.400		µg/L	1	3/26/2021 10:57:47 PM
m,p-Xylene	ND	1.00		µg/L	1	3/26/2021 10:57:47 PM
o-Xylene	ND	0.500		µg/L	1	3/26/2021 10:57:47 PM
Surr: Dibromofluoromethane	108	89.4 - 113		%Rec	1	3/26/2021 10:57:47 PM
Surr: Toluene-d8	102	87.8 - 114		%Rec	1	3/26/2021 10:57:47 PM
Surr: 1-Bromo-4-fluorobenzene	95.4	86.8 - 109		%Rec	1	3/26/2021 10:57:47 PM



Client: Aspect Consulting
Project: NE8 Redevelopment
Lab ID: 2103462-004
Client Sample ID: FMW-14-03262021

Collection Date: 3/26/2021 11:13:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 31789	Analyst: MM
Diesel (Fuel Oil)	ND	99.9		µg/L	1	3/29/2021 1:22:30 PM
Heavy Oil	ND	99.9		µg/L	1	3/29/2021 1:22:30 PM
Surr: 2-Fluorobiphenyl	90.0	50 - 150		%Rec	1	3/29/2021 1:22:30 PM
Surr: o-Terphenyl	90.6	50 - 150		%Rec	1	3/29/2021 1:22:30 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 31777	Analyst: KT
Gasoline	ND	50.0		µg/L	1	3/26/2021 11:27:56 PM
Surr: Toluene-d8	96.6	65 - 135		%Rec	1	3/26/2021 11:27:56 PM
Surr: 4-Bromofluorobenzene	96.5	65 - 135		%Rec	1	3/26/2021 11:27:56 PM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 31777	Analyst: KT
Vinyl chloride	ND	0.350		µg/L	1	3/26/2021 11:27:56 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 11:27:56 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 11:27:56 PM
Benzene	ND	0.440		µg/L	1	3/26/2021 11:27:56 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/26/2021 11:27:56 PM
Toluene	ND	0.750		µg/L	1	3/26/2021 11:27:56 PM
Tetrachloroethene (PCE)	6.57	0.400		µg/L	1	3/26/2021 11:27:56 PM
Ethylbenzene	ND	0.400		µg/L	1	3/26/2021 11:27:56 PM
m,p-Xylene	ND	1.00		µg/L	1	3/26/2021 11:27:56 PM
o-Xylene	ND	0.500		µg/L	1	3/26/2021 11:27:56 PM
Surr: Dibromofluoromethane	109	89.4 - 113		%Rec	1	3/26/2021 11:27:56 PM
Surr: Toluene-d8	102	87.8 - 114		%Rec	1	3/26/2021 11:27:56 PM
Surr: 1-Bromo-4-fluorobenzene	96.4	86.8 - 109		%Rec	1	3/26/2021 11:27:56 PM



Client: Aspect Consulting

Collection Date: 3/26/2021 12:45:00 PM

Project: NE8 Redevelopment

Lab ID: 2103462-005

Matrix: Groundwater

Client Sample ID: FMW-05-03262021

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31789

Analyst: MM

Diesel (Fuel Oil)	5,460	98.3		µg/L	1	3/29/2021 1:35:01 PM
Heavy Oil	ND	98.3		µg/L	1	3/29/2021 1:35:01 PM
Surr: 2-Fluorobiphenyl	69.5	50 - 150		%Rec	1	3/29/2021 1:35:01 PM
Surr: o-Terphenyl	87.9	50 - 150		%Rec	1	3/29/2021 1:35:01 PM

Gasoline by NWTPH-Gx

Batch ID: 31777

Analyst: KT

Gasoline	1,150	50.0		µg/L	1	3/26/2021 11:58:04 PM
Surr: Toluene-d8	100	65 - 135		%Rec	1	3/26/2021 11:58:04 PM
Surr: 4-Bromofluorobenzene	99.4	65 - 135		%Rec	1	3/26/2021 11:58:04 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31777

Analyst: KT

Vinyl chloride	22.7	0.350		µg/L	1	3/26/2021 11:58:04 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/26/2021 11:58:04 PM
cis-1,2-Dichloroethene	2.33	0.500		µg/L	1	3/26/2021 11:58:04 PM
Benzene	9.95	0.440		µg/L	1	3/26/2021 11:58:04 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/26/2021 11:58:04 PM
Toluene	ND	0.750		µg/L	1	3/26/2021 11:58:04 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/26/2021 11:58:04 PM
Ethylbenzene	39.5	0.400		µg/L	1	3/26/2021 11:58:04 PM
m,p-Xylene	7.65	1.00		µg/L	1	3/26/2021 11:58:04 PM
o-Xylene	ND	0.500		µg/L	1	3/26/2021 11:58:04 PM
Surr: Dibromofluoromethane	106	89.4 - 113		%Rec	1	3/26/2021 11:58:04 PM
Surr: Toluene-d8	99.8	87.8 - 114		%Rec	1	3/26/2021 11:58:04 PM
Surr: 1-Bromo-4-fluorobenzene	93.2	86.8 - 109		%Rec	1	3/26/2021 11:58:04 PM



Client: Aspect Consulting

Collection Date: 3/26/2021 2:10:00 PM

Project: NE8 Redevelopment

Lab ID: 2103462-006

Matrix: Groundwater

Client Sample ID: AMW-02-032621

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31789 Analyst: MM

Diesel (Fuel Oil)	ND	99.8		µg/L	1	3/29/2021 1:47:29 PM
Heavy Oil	ND	99.8		µg/L	1	3/29/2021 1:47:29 PM
Surr: 2-Fluorobiphenyl	91.9	50 - 150		%Rec	1	3/29/2021 1:47:29 PM
Surr: o-Terphenyl	93.8	50 - 150		%Rec	1	3/29/2021 1:47:29 PM

Gasoline by NWTPH-Gx

Batch ID: 31777 Analyst: KT

Gasoline	ND	50.0		µg/L	1	3/27/2021 12:28:13 AM
Surr: Toluene-d8	98.7	65 - 135		%Rec	1	3/27/2021 12:28:13 AM
Surr: 4-Bromofluorobenzene	97.1	65 - 135		%Rec	1	3/27/2021 12:28:13 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31777 Analyst: KT

Vinyl chloride	ND	0.350		µg/L	1	3/27/2021 12:28:13 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/27/2021 12:28:13 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/27/2021 12:28:13 AM
Benzene	ND	0.440		µg/L	1	3/27/2021 12:28:13 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/27/2021 12:28:13 AM
Toluene	ND	0.750		µg/L	1	3/27/2021 12:28:13 AM
Tetrachloroethene (PCE)	11.6	0.400		µg/L	1	3/27/2021 12:28:13 AM
Ethylbenzene	ND	0.400		µg/L	1	3/27/2021 12:28:13 AM
m,p-Xylene	ND	1.00		µg/L	1	3/27/2021 12:28:13 AM
o-Xylene	ND	0.500		µg/L	1	3/27/2021 12:28:13 AM
Surr: Dibromofluoromethane	105	89.4 - 113		%Rec	1	3/27/2021 12:28:13 AM
Surr: Toluene-d8	98.1	87.8 - 114		%Rec	1	3/27/2021 12:28:13 AM
Surr: 1-Bromo-4-fluorobenzene	96.9	86.8 - 109		%Rec	1	3/27/2021 12:28:13 AM



Client: Aspect Consulting
Project: NE8 Redevelopment
Lab ID: 2103462-007
Client Sample ID: Trip Blank

Collection Date:
Matrix: Water

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31804 Analyst: KT

Vinyl chloride	ND	0.350		µg/L	1	3/29/2021 3:26:04 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/29/2021 3:26:04 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/29/2021 3:26:04 PM
Benzene	ND	0.440		µg/L	1	3/29/2021 3:26:04 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/29/2021 3:26:04 PM
Toluene	ND	0.750		µg/L	1	3/29/2021 3:26:04 PM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/29/2021 3:26:04 PM
Ethylbenzene	ND	0.400		µg/L	1	3/29/2021 3:26:04 PM
m,p-Xylene	ND	1.00		µg/L	1	3/29/2021 3:26:04 PM
o-Xylene	ND	0.500		µg/L	1	3/29/2021 3:26:04 PM
Surr: Dibromofluoromethane	95.9	89.4 - 113		%Rec	1	3/29/2021 3:26:04 PM
Surr: Toluene-d8	94.5	87.8 - 114		%Rec	1	3/29/2021 3:26:04 PM
Surr: 1-Bromo-4-fluorobenzene	94.9	86.8 - 109		%Rec	1	3/29/2021 3:26:04 PM

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-31789	SampType: MBLK	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66176					
Client ID: MBLKW	Batch ID: 31789				Analysis Date: 3/29/2021	SeqNo: 1331480					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	99.2									
Heavy Oil	ND	99.2									
Surr: 2-Fluorobiphenyl	20.1		19.84		101	50	150				
Surr: o-Terphenyl	20.1		19.84		101	50	150				

Sample ID: LCS-31789	SampType: LCS	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66176					
Client ID: LCSW	Batch ID: 31789				Analysis Date: 3/29/2021	SeqNo: 1331481					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	886	98.1	980.7	0	90.4	32.2	104				
Surr: 2-Fluorobiphenyl	17.2		19.61		87.9	50	150				
Surr: o-Terphenyl	20.5		19.61		104	50	150				

Sample ID: 2103462-001BDUP	SampType: DUP	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66176					
Client ID: B10/MW03-03252021	Batch ID: 31789				Analysis Date: 3/29/2021	SeqNo: 1331483					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	99.3						0		30	
Heavy Oil	ND	99.3						0		30	
Surr: 2-Fluorobiphenyl	18.2		19.87		91.8	50	150		0		
Surr: o-Terphenyl	18.9		19.87		95.1	50	150		0		

Sample ID: 2103462-002BMS	SampType: MS	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66176					
Client ID: B09/MW02-03262021	Batch ID: 31789				Analysis Date: 3/29/2021	SeqNo: 1331485					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	859	98.7	987.4	0	87.0	22.5	114				
Surr: 2-Fluorobiphenyl	16.3		19.75		82.4	50	150				
Surr: o-Terphenyl	19.1		19.75		96.8	50	150				



Date: 3/30/2021

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2103462-002BMS	SampType: MS	Units: µg/L	Prep Date: 3/26/2021	RunNo: 66176							
Client ID: B09/MW02-03262021	Batch ID: 31789		Analysis Date: 3/29/2021	SeqNo: 1331485							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-31777	SampType: LCS	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66150					
Client ID: LCSW	Batch ID: 31777				Analysis Date: 3/26/2021	SeqNo: 1331039					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	480	50.0	500.0	0	95.9	65	135				
Surr: Toluene-d8	25.7		25.00		103	65	135				
Surr: 4-Bromofluorobenzene	24.8		25.00		99.1	65	135				

Sample ID: MB-31777	SampType: MBLK	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66150					
Client ID: MBLKW	Batch ID: 31777				Analysis Date: 3/26/2021	SeqNo: 1331038					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	50.0									
Surr: Toluene-d8	24.1		25.00		96.2	65	135				
Surr: 4-Bromofluorobenzene	23.0		25.00		91.8	65	135				

Sample ID: 2103405-001ADUP	SampType: DUP	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66150					
Client ID: BATCH	Batch ID: 31777				Analysis Date: 3/26/2021	SeqNo: 1331022					
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	24.0		25.00		95.8	65	135		0		
Surr: 4-Bromofluorobenzene	22.7		25.00		90.8	65	135		0		

Sample ID: 2103431-001BDUP	SampType: DUP	Units: µg/L			Prep Date: 3/26/2021	RunNo: 66150					
Client ID: BATCH	Batch ID: 31777				Analysis Date: 3/26/2021	SeqNo: 1331028					
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	24.3		25.00		97.0	65	135		0		
Surr: 4-Bromofluorobenzene	23.6		25.00		94.3	65	135		0		

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2103420-001AMS	SampType: MS	Units: µg/L		Prep Date: 3/26/2021	RunNo: 66150						
Client ID: BATCH	Batch ID: 31777			Analysis Date: 3/26/2021	SeqNo: 1331024						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	839	50.0	500.0	174.0	133	65	135				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	26.4		25.00		106	65	135				

Work Order: 2103462
 CLIENT: Aspect Consulting
 Project: NE8 Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31777	SampType: LCS	Units: µg/L				Prep Date: 3/26/2021	RunNo: 66148				
Client ID: LCSW	Batch ID: 31777					Analysis Date: 3/26/2021	SeqNo: 1331008				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	16.3	0.350	20.00	0	81.6	80	120				
trans-1,2-Dichloroethene	19.0	0.500	20.00	0	95.0	80	120				
cis-1,2-Dichloroethene	20.3	0.500	20.00	0	101	80	120				
Benzene	21.6	0.440	20.00	0	108	80	120				
Trichloroethene (TCE)	19.9	0.500	20.00	0	99.3	80	120				
Toluene	21.0	0.750	20.00	0	105	80	120				
Tetrachloroethene (PCE)	20.9	0.400	20.00	0	105	80	120				
Ethylbenzene	20.0	0.400	20.00	0	99.8	80	120				
m,p-Xylene	40.0	1.00	40.00	0	99.9	80	120				
o-Xylene	19.3	0.500	20.00	0	96.5	80	120				
Surr: Dibromofluoromethane	27.0		25.00		108	80	120				
Surr: Toluene-d8	26.2		25.00		105	80	120				
Surr: 1-Bromo-4-fluorobenzene	23.3		25.00		93.3	80	120				

Sample ID: MB-31777	SampType: MBLK	Units: µg/L				Prep Date: 3/26/2021	RunNo: 66148				
Client ID: MBLKW	Batch ID: 31777					Analysis Date: 3/26/2021	SeqNo: 1331007				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.350									
trans-1,2-Dichloroethene	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
Toluene	ND	0.750									
Tetrachloroethene (PCE)	ND	0.400									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Surr: Dibromofluoromethane	26.1		25.00		104	89.4	113				
Surr: Toluene-d8	24.8		25.00		99.1	87.8	114				

Work Order: 2103462
 CLIENT: Aspect Consulting
 Project: NE8 Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-31777	SampType: MBLK	Units: µg/L	Prep Date: 3/26/2021	RunNo: 66148							
Client ID: MBLKW	Batch ID: 31777		Analysis Date: 3/26/2021	SeqNo: 1331007							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1-Bromo-4-fluorobenzene 23.0 25.00 91.9 86.8 109

Sample ID: 2103405-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/26/2021	RunNo: 66148							
Client ID: BATCH	Batch ID: 31777		Analysis Date: 3/26/2021	SeqNo: 1330988							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	27.0		25.00		108	89.4	113		0		
Surr: Toluene-d8	25.4		25.00		102	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	22.7		25.00		90.7	86.8	109		0		

Sample ID: 2103431-001BDUP	SampType: DUP	Units: µg/L	Prep Date: 3/26/2021	RunNo: 66148							
Client ID: BATCH	Batch ID: 31777		Analysis Date: 3/26/2021	SeqNo: 1330994							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103431-001BDUP	SampType: DUP	Units: µg/L	Prep Date: 3/26/2021	RunNo: 66148							
Client ID: BATCH	Batch ID: 31777	Analysis Date: 3/26/2021	SeqNo: 1330994								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	27.2		25.00		109	89.4	113		0		
Surr: Toluene-d8	25.3		25.00		101	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.6		25.00		94.3	86.8	109		0		

Sample ID: 2103420-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/26/2021	RunNo: 66148							
Client ID: BATCH	Batch ID: 31777	Analysis Date: 3/26/2021	SeqNo: 1330990								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	18.9	0.350	20.00	0	94.7	57.3	148				
trans-1,2-Dichloroethene	24.2	0.500	20.00	0	121	87.7	128				
cis-1,2-Dichloroethene	24.3	0.500	20.00	0	122	87.1	126				
Benzene	27.1	0.440	20.00	0	136	86.9	130				S
Trichloroethene (TCE)	26.3	0.500	20.00	0	131	83.2	130				S
Toluene	27.3	0.750	20.00	0.6726	133	85	134				
Tetrachloroethene (PCE)	26.9	0.400	20.00	0	135	84.6	133				S
Ethylbenzene	27.3	0.400	20.00	0.5476	134	89.5	129				S
m,p-Xylene	57.7	1.00	40.00	3.539	135	88.2	127				S
o-Xylene	28.2	0.500	20.00	2.061	131	89.6	120				S
Surr: Dibromofluoromethane	26.6		25.00		107	89.4	113				
Surr: Toluene-d8	25.8		25.00		103	87.8	114				
Surr: 1-Bromo-4-fluorobenzene	23.5		25.00		94.0	86.8	109				

NOTES:

S - Spike recovery indicates a possible matrix effect. The method is in control as indicated by the Laboratory Control Sample (LCS).

Work Order: 2103462
 CLIENT: Aspect Consulting
 Project: NE8 Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31804	SampType: LCS	Units: µg/L				Prep Date: 3/29/2021	RunNo: 66189				
Client ID: LCSW	Batch ID: 31804					Analysis Date: 3/29/2021	SeqNo: 1331892				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	16.2	0.350	20.00	0	81.0	80	120				
trans-1,2-Dichloroethene	18.0	0.500	20.00	0	90.1	80	120				
cis-1,2-Dichloroethene	18.4	0.500	20.00	0	91.8	80	120				
Benzene	18.2	0.440	20.00	0	90.9	80	120				
Trichloroethene (TCE)	17.3	0.500	20.00	0	86.3	80	120				
Toluene	18.0	0.750	20.00	0	90.1	80	120				
Tetrachloroethene (PCE)	19.2	0.400	20.00	0	96.0	80	120				
Ethylbenzene	18.7	0.400	20.00	0	93.3	80	120				
m,p-Xylene	36.9	1.00	40.00	0	92.2	80	120				
o-Xylene	18.5	0.500	20.00	0	92.4	80	120				
Surr: Dibromofluoromethane	28.5		25.00		114	80	120				
Surr: Toluene-d8	24.7		25.00		98.8	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	80	120				

Sample ID: MB-31804	SampType: MBLK	Units: µg/L				Prep Date: 3/29/2021	RunNo: 66189				
Client ID: MBLKW	Batch ID: 31804					Analysis Date: 3/29/2021	SeqNo: 1331891				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	ND	0.350									
trans-1,2-Dichloroethene	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
Toluene	ND	0.750									
Tetrachloroethene (PCE)	ND	0.400									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									
Surr: Dibromofluoromethane	23.7		25.00		94.8	89.4	113				
Surr: Toluene-d8	23.6		25.00		94.5	87.8	114				

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-31804	SampType: MBLK	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: MBLKW	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331891							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1-Bromo-4-fluorobenzene 23.7 25.00 94.8 86.8 109

Sample ID: 2103474-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331868							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	26.5		25.00		106	89.4	113		0		
Surr: Toluene-d8	24.1		25.00		96.3	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.5		25.00		93.8	86.8	109		0		

Sample ID: 2103483-004ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331888							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	

Work Order: 2103462
CLIENT: Aspect Consulting
Project: NE8 Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103483-004ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331888							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	26.4		25.00		106	89.4	113		0		
Surr: Toluene-d8	23.9		25.00		95.6	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.5		25.00		93.9	86.8	109		0		

Sample ID: 2103483-002AMS	SampType: MS	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331873							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	17.4	0.350	20.00	0	87.1	57.3	148				
trans-1,2-Dichloroethene	20.4	0.500	20.00	0	102	87.7	128				
cis-1,2-Dichloroethene	20.1	0.500	20.00	0	101	87.1	126				
Benzene	20.1	0.440	20.00	0	101	86.9	130				
Trichloroethene (TCE)	18.4	0.500	20.00	0	91.9	83.2	130				
Toluene	19.7	0.750	20.00	0	98.7	85	134				
Tetrachloroethene (PCE)	21.0	0.400	20.00	0	105	84.6	133				
Ethylbenzene	20.2	0.400	20.00	0	101	89.5	129				
m,p-Xylene	39.6	1.00	40.00	0	99.0	88.2	127				
o-Xylene	19.7	0.500	20.00	0	98.7	89.6	120				
Surr: Dibromofluoromethane	30.5		25.00		122	89.4	113				S
Surr: Toluene-d8	25.0		25.00		100	87.8	114				
Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		103	86.8	109				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Client Name: **AC**

 Work Order Number: **2103462**

 Logged by: **Gabrielle Coeulle**

 Date Received: **3/26/2021 3:50:00 PM**

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 present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°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 there 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	0.6

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

Chain of Custody Record & Laboratory Services Agreement

Date: 3/26/21 Page: 1 of 1

Project Name: NEB Redevelopment

Project No: 180584

Collected by: Jasmin Toro

Location:

Report To (PM): Ali Cochrane

PM Email: acochrane@aspectconsulting.com

Laboratory Project No (Internal): 2103402

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	CVOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Comments
1. B10/MWD3-03252021	3/25/21	14:30	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	
2. B09/MWD2-03262021	3/26/21	08:45	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	
3. B08/MWD1-03262021	3/26/21	10:05	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	
4. FMW-14-03262021	3/26/21	11:13	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	
5. FMW-05-03262021	3/26/21	12:45	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	
6. AMWD-02-03262021	3/26/21	14:10	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	
7. TRIP BLANK	3/26/21			1	X												
8.																	
9.																	
10.																	

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

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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) [Signature] Print Name Shelia Oates Date/Time 03/26/21

Received (Signature) [Signature] Print Name Sara Hooper Date/Time 3/26/21

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day
 24 hr (specify)



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

Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

**RE: Skanska NE8th
Work Order Number: 2103499**

March 30, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 5 sample(s) on 3/29/2021 for the analyses presented in the following report.

***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260D***

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,

Brianna Barnes
Project Manager

CC:
Amelia Oates
Jessica Smith

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



CLIENT: Aspect Consulting
Project: Skanska NE8th
Work Order: 2103499

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103499-001	FMW-06-032921	03/29/2021 9:00 AM	03/29/2021 4:25 PM
2103499-002	FMW-18-032921	03/29/2021 10:25 AM	03/29/2021 4:25 PM
2103499-003	FMW-17-032921	03/29/2021 11:50 AM	03/29/2021 4:25 PM
2103499-004	FMW-11-032921	03/29/2021 1:50 PM	03/29/2021 4:25 PM
2103499-005	FMW-13-032921	03/29/2021 2:45 PM	03/29/2021 4:25 PM

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

CLIENT: Aspect Consulting

Project: Skanska NE8th

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.

Qualifiers:

- * - Flagged value is not within established control limits
- 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
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 3/29/2021 9:00:00 AM

Project: Skanska NE8th

Lab ID: 2103499-001

Matrix: Groundwater

Client Sample ID: FMW-06-032921

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31806 Analyst: MM

Diesel (Fuel Oil)	ND	99.3		µg/L	1	3/30/2021 2:27:37 PM
Heavy Oil	ND	99.3		µg/L	1	3/30/2021 2:27:37 PM
Surr: 2-Fluorobiphenyl	80.9	50 - 150		%Rec	1	3/30/2021 2:27:37 PM
Surr: o-Terphenyl	81.1	50 - 150		%Rec	1	3/30/2021 2:27:37 PM

Gasoline by NWTPH-Gx

Batch ID: 31804 Analyst: KT

Gasoline	ND	50.0		µg/L	1	3/30/2021 3:31:53 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	3/30/2021 3:31:53 AM
Surr: 4-Bromofluorobenzene	95.1	65 - 135		%Rec	1	3/30/2021 3:31:53 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31804 Analyst: KT

Vinyl chloride	0.371	0.350		µg/L	1	3/30/2021 3:31:53 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 3:31:53 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 3:31:53 AM
cis-1,2-Dichloroethene	1.11	0.500		µg/L	1	3/30/2021 3:31:53 AM
Benzene	ND	0.440		µg/L	1	3/30/2021 3:31:53 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/30/2021 3:31:53 AM
Toluene	ND	0.750		µg/L	1	3/30/2021 3:31:53 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/30/2021 3:31:53 AM
Ethylbenzene	ND	0.400		µg/L	1	3/30/2021 3:31:53 AM
m,p-Xylene	ND	1.00		µg/L	1	3/30/2021 3:31:53 AM
o-Xylene	ND	0.500		µg/L	1	3/30/2021 3:31:53 AM
Surr: Dibromofluoromethane	112	89.4 - 113		%Rec	1	3/30/2021 3:31:53 AM
Surr: Toluene-d8	94.4	87.8 - 114		%Rec	1	3/30/2021 3:31:53 AM
Surr: 1-Bromo-4-fluorobenzene	94.4	86.8 - 109		%Rec	1	3/30/2021 3:31:53 AM



Client: Aspect Consulting

Collection Date: 3/29/2021 10:25:00 AM

Project: Skanska NE8th

Lab ID: 2103499-002

Matrix: Groundwater

Client Sample ID: FMW-18-032921

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31806 Analyst: MM

Diesel (Fuel Oil)	297	99.1		µg/L	1	3/30/2021 2:53:20 PM
Heavy Oil	ND	99.1		µg/L	1	3/30/2021 2:53:20 PM
Surr: 2-Fluorobiphenyl	76.7	50 - 150		%Rec	1	3/30/2021 2:53:20 PM
Surr: o-Terphenyl	81.8	50 - 150		%Rec	1	3/30/2021 2:53:20 PM

Gasoline by NWTPH-Gx

Batch ID: 31804 Analyst: KT

Gasoline	ND	50.0		µg/L	1	3/30/2021 4:02:09 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	3/30/2021 4:02:09 AM
Surr: 4-Bromofluorobenzene	94.8	65 - 135		%Rec	1	3/30/2021 4:02:09 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31804 Analyst: KT

Vinyl chloride	113	17.5	D	µg/L	50	3/30/2021 9:04:05 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 4:02:09 AM
trans-1,2-Dichloroethene	3.02	0.500		µg/L	1	3/30/2021 4:02:09 AM
cis-1,2-Dichloroethene	516	25.0	D	µg/L	50	3/30/2021 9:04:05 AM
Benzene	3.00	0.440		µg/L	1	3/30/2021 4:02:09 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/30/2021 4:02:09 AM
Toluene	ND	0.750		µg/L	1	3/30/2021 4:02:09 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/30/2021 4:02:09 AM
Ethylbenzene	ND	0.400		µg/L	1	3/30/2021 4:02:09 AM
m,p-Xylene	ND	1.00		µg/L	1	3/30/2021 4:02:09 AM
o-Xylene	ND	0.500		µg/L	1	3/30/2021 4:02:09 AM
Surr: Dibromofluoromethane	112	89.4 - 113		%Rec	1	3/30/2021 4:02:09 AM
Surr: Toluene-d8	93.9	87.8 - 114		%Rec	1	3/30/2021 4:02:09 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	86.8 - 109		%Rec	1	3/30/2021 4:02:09 AM



Client: Aspect Consulting

Collection Date: 3/29/2021 11:50:00 AM

Project: Skanska NE8th

Lab ID: 2103499-003

Matrix: Groundwater

Client Sample ID: FMW-17-032921

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31806 Analyst: MM

Diesel (Fuel Oil)	218	98.4		µg/L	1	3/30/2021 3:06:18 PM
Heavy Oil	ND	98.4		µg/L	1	3/30/2021 3:06:18 PM
Surr: 2-Fluorobiphenyl	79.0	50 - 150		%Rec	1	3/30/2021 3:06:18 PM
Surr: o-Terphenyl	82.7	50 - 150		%Rec	1	3/30/2021 3:06:18 PM

Gasoline by NWTPH-Gx

Batch ID: 31804 Analyst: KT

Gasoline	ND	50.0		µg/L	1	3/30/2021 7:33:30 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	3/30/2021 7:33:30 AM
Surr: 4-Bromofluorobenzene	94.9	65 - 135		%Rec	1	3/30/2021 7:33:30 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31804 Analyst: KT

Vinyl chloride	ND	0.350		µg/L	1	3/30/2021 7:33:30 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 7:33:30 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 7:33:30 AM
cis-1,2-Dichloroethene	32.4	0.500		µg/L	1	3/30/2021 7:33:30 AM
Benzene	0.710	0.440		µg/L	1	3/30/2021 7:33:30 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/30/2021 7:33:30 AM
Toluene	ND	0.750		µg/L	1	3/30/2021 7:33:30 AM
Tetrachloroethene (PCE)	0.872	0.400		µg/L	1	3/30/2021 7:33:30 AM
Ethylbenzene	ND	0.400		µg/L	1	3/30/2021 7:33:30 AM
m,p-Xylene	ND	1.00		µg/L	1	3/30/2021 7:33:30 AM
o-Xylene	ND	0.500		µg/L	1	3/30/2021 7:33:30 AM
Surr: Dibromofluoromethane	112	89.4 - 113		%Rec	1	3/30/2021 7:33:30 AM
Surr: Toluene-d8	95.7	87.8 - 114		%Rec	1	3/30/2021 7:33:30 AM
Surr: 1-Bromo-4-fluorobenzene	94.3	86.8 - 109		%Rec	1	3/30/2021 7:33:30 AM



Client: Aspect Consulting

Collection Date: 3/29/2021 1:50:00 PM

Project: Skanska NE8th

Lab ID: 2103499-004

Matrix: Groundwater

Client Sample ID: FMW-11-032921

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31806 Analyst: MM

Diesel (Fuel Oil)	ND	98.9		µg/L	1	3/30/2021 3:32:01 PM
Heavy Oil	ND	98.9		µg/L	1	3/30/2021 3:32:01 PM
Surr: 2-Fluorobiphenyl	80.2	50 - 150		%Rec	1	3/30/2021 3:32:01 PM
Surr: o-Terphenyl	80.1	50 - 150		%Rec	1	3/30/2021 3:32:01 PM

Gasoline by NWTPH-Gx

Batch ID: 31804 Analyst: KT

Gasoline	ND	50.0		µg/L	1	3/30/2021 5:02:41 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	3/30/2021 5:02:41 AM
Surr: 4-Bromofluorobenzene	95.5	65 - 135		%Rec	1	3/30/2021 5:02:41 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31804 Analyst: KT

Vinyl chloride	ND	0.350		µg/L	1	3/30/2021 5:02:41 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 5:02:41 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 5:02:41 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 5:02:41 AM
Benzene	ND	0.440		µg/L	1	3/30/2021 5:02:41 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/30/2021 5:02:41 AM
Toluene	ND	0.750		µg/L	1	3/30/2021 5:02:41 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/30/2021 5:02:41 AM
Ethylbenzene	ND	0.400		µg/L	1	3/30/2021 5:02:41 AM
m,p-Xylene	ND	1.00		µg/L	1	3/30/2021 5:02:41 AM
o-Xylene	ND	0.500		µg/L	1	3/30/2021 5:02:41 AM
Surr: Dibromofluoromethane	110	89.4 - 113		%Rec	1	3/30/2021 5:02:41 AM
Surr: Toluene-d8	96.6	87.8 - 114		%Rec	1	3/30/2021 5:02:41 AM
Surr: 1-Bromo-4-fluorobenzene	95.0	86.8 - 109		%Rec	1	3/30/2021 5:02:41 AM



Client: Aspect Consulting

Collection Date: 3/29/2021 2:45:00 PM

Project: Skanska NE8th

Lab ID: 2103499-005

Matrix: Groundwater

Client Sample ID: FMW-13-032921

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31806 Analyst: MM

Diesel (Fuel Oil)	ND	99.2		µg/L	1	3/30/2021 3:44:35 PM
Heavy Oil	ND	99.2		µg/L	1	3/30/2021 3:44:35 PM
Surr: 2-Fluorobiphenyl	81.7	50 - 150		%Rec	1	3/30/2021 3:44:35 PM
Surr: o-Terphenyl	79.5	50 - 150		%Rec	1	3/30/2021 3:44:35 PM

Gasoline by NWTPH-Gx

Batch ID: 31804 Analyst: KT

Gasoline	ND	50.0		µg/L	1	3/30/2021 5:32:49 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	3/30/2021 5:32:49 AM
Surr: 4-Bromofluorobenzene	95.1	65 - 135		%Rec	1	3/30/2021 5:32:49 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31804 Analyst: KT

Vinyl chloride	ND	0.350		µg/L	1	3/30/2021 5:32:49 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 5:32:49 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 5:32:49 AM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/30/2021 5:32:49 AM
Benzene	ND	0.440		µg/L	1	3/30/2021 5:32:49 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/30/2021 5:32:49 AM
Toluene	ND	0.750		µg/L	1	3/30/2021 5:32:49 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/30/2021 5:32:49 AM
Ethylbenzene	ND	0.400		µg/L	1	3/30/2021 5:32:49 AM
m,p-Xylene	ND	1.00		µg/L	1	3/30/2021 5:32:49 AM
o-Xylene	ND	0.500		µg/L	1	3/30/2021 5:32:49 AM
Surr: Dibromofluoromethane	111	89.4 - 113		%Rec	1	3/30/2021 5:32:49 AM
Surr: Toluene-d8	95.9	87.8 - 114		%Rec	1	3/30/2021 5:32:49 AM
Surr: 1-Bromo-4-fluorobenzene	94.6	86.8 - 109		%Rec	1	3/30/2021 5:32:49 AM

Work Order: 2103499
CLIENT: Aspect Consulting
Project: Skanska NE8th

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-31806	SampType: MBLK	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66220							
Client ID: MBLKW	Batch ID: 31806		Analysis Date: 3/30/2021	SeqNo: 1332375							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	98.9									
Heavy Oil	ND	98.9									
Surr: 2-Fluorobiphenyl	17.3		19.78		87.5	50	150				
Surr: o-Terphenyl	17.4		19.78		87.9	50	150				

Sample ID: LCS-31806	SampType: LCS	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66220							
Client ID: LCSW	Batch ID: 31806		Analysis Date: 3/30/2021	SeqNo: 1332376							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	731	99.0	990.1	0	73.8	32.2	104				
Surr: 2-Fluorobiphenyl	16.5		19.80		83.5	50	150				
Surr: o-Terphenyl	19.0		19.80		96.1	50	150				

Sample ID: 2103499-003BDUP	SampType: DUP	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66220							
Client ID: FMW-17-032921	Batch ID: 31806		Analysis Date: 3/30/2021	SeqNo: 1332380							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	201	98.6						218.5	8.38	30	
Heavy Oil	ND	98.6						0		30	
Surr: 2-Fluorobiphenyl	15.8		19.73		80.1	50	150		0		
Surr: o-Terphenyl	16.9		19.73		85.9	50	150		0		

Work Order: 2103499
CLIENT: Aspect Consulting
Project: Skanska NE8th

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-31804	SampType: LCS	Units: µg/L			Prep Date: 3/29/2021	RunNo: 66190					
Client ID: LCSW	Batch ID: 31804				Analysis Date: 3/29/2021	SeqNo: 1331914					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	513	50.0	500.0	0	103	65	135				
Surr: Toluene-d8	24.9		25.00		99.7	65	135				
Surr: 4-Bromofluorobenzene	24.9		25.00		99.5	65	135				

Sample ID: MB-31804	SampType: MBLK	Units: µg/L			Prep Date: 3/29/2021	RunNo: 66190					
Client ID: MBLKW	Batch ID: 31804				Analysis Date: 3/29/2021	SeqNo: 1331932					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	50.0									
Surr: Toluene-d8	24.9		25.00		99.7	65	135				
Surr: 4-Bromofluorobenzene	23.9		25.00		95.5	65	135				

Sample ID: 2103474-001ADUP	SampType: DUP	Units: µg/L			Prep Date: 3/29/2021	RunNo: 66190					
Client ID: BATCH	Batch ID: 31804				Analysis Date: 3/29/2021	SeqNo: 1331897					
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	25.0		25.00		100	65	135		0		
Surr: 4-Bromofluorobenzene	23.6		25.00		94.4	65	135		0		

Sample ID: 2103483-004ADUP	SampType: DUP	Units: µg/L			Prep Date: 3/29/2021	RunNo: 66190					
Client ID: BATCH	Batch ID: 31804				Analysis Date: 3/29/2021	SeqNo: 1331911					
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	25.1		25.00		100	65	135		0		
Surr: 4-Bromofluorobenzene	23.6		25.00		94.5	65	135		0		

Work Order: 2103499
CLIENT: Aspect Consulting
Project: Skanska NE8th

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2103485-001AMS	SampType: MS	Units: µg/L		Prep Date: 3/29/2021	RunNo: 66190						
Client ID: BATCH	Batch ID: 31804			Analysis Date: 3/29/2021	SeqNo: 1331903						
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	476	50.0	500.0	0	95.1	65	135				
Surr: Toluene-d8	25.2		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	25.0		25.00		100	65	135				

Work Order: 2103499
 CLIENT: Aspect Consulting
 Project: Skanska NE8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31804	SampType: LCS	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: LCSW	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331892							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	16.2	0.350	20.00	0	81.0	80	120				
1,1-Dichloroethene	17.5	0.500	20.00	0	87.5	80	120				
trans-1,2-Dichloroethene	18.0	0.500	20.00	0	90.1	80	120				
cis-1,2-Dichloroethene	18.4	0.500	20.00	0	91.8	80	120				
Benzene	18.2	0.440	20.00	0	90.9	80	120				
Trichloroethene (TCE)	17.3	0.500	20.00	0	86.3	80	120				
Toluene	18.0	0.750	20.00	0	90.1	80	120				
Tetrachloroethene (PCE)	19.2	0.400	20.00	0	96.0	80	120				
Ethylbenzene	18.7	0.400	20.00	0	93.3	80	120				
m,p-Xylene	36.9	1.00	40.00	0	92.2	80	120				
o-Xylene	18.5	0.500	20.00	0	92.4	80	120				
Surr: Dibromofluoromethane	28.5		25.00		114	80	120				
Surr: Toluene-d8	24.7		25.00		98.8	80	120				
Surr: 1-Bromo-4-fluorobenzene	25.9		25.00		104	80	120				

Sample ID: MB-31804	SampType: MBLK	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: MBLKW	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331891							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350									
1,1-Dichloroethene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
Toluene	ND	0.750									
Tetrachloroethene (PCE)	ND	0.400									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									
o-Xylene	ND	0.500									

Work Order: 2103499
 CLIENT: Aspect Consulting
 Project: Skanska NE8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-31804	SampType: MBLK	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: MBLKW	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331891							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: Dibromofluoromethane	23.7		25.00		94.8	89.4	113				
Surr: Toluene-d8	23.6		25.00		94.5	87.8	114				
Surr: 1-Bromo-4-fluorobenzene	23.7		25.00		94.8	86.8	109				

Sample ID: 2103474-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331868							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	26.5		25.00		106	89.4	113		0		
Surr: Toluene-d8	24.1		25.00		96.3	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.5		25.00		93.8	86.8	109		0		

Sample ID: 2103483-004ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804		Analysis Date: 3/29/2021	SeqNo: 1331888							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
1,1-Dichloroethene	ND	0.500						0		30	

Work Order: 2103499
 CLIENT: Aspect Consulting
 Project: Skanska NE8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103483-004ADUP		SampType: DUP		Units: µg/L		Prep Date: 3/29/2021		RunNo: 66189			
Client ID: BATCH		Batch ID: 31804				Analysis Date: 3/29/2021		SeqNo: 1331888			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0		30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	26.4		25.00		106	89.4	113		0		
Surr: Toluene-d8	23.9		25.00		95.6	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.5		25.00		93.9	86.8	109		0		

Sample ID: 2103483-002AMS		SampType: MS		Units: µg/L		Prep Date: 3/29/2021		RunNo: 66189			
Client ID: BATCH		Batch ID: 31804				Analysis Date: 3/29/2021		SeqNo: 1331873			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	17.4	0.350	20.00	0	87.1	57.3	148				
1,1-Dichloroethene	21.3	0.500	20.00	0	106	87.9	131				
trans-1,2-Dichloroethene	20.4	0.500	20.00	0	102	87.7	128				
cis-1,2-Dichloroethene	20.1	0.500	20.00	0	101	87.1	126				
Benzene	20.1	0.440	20.00	0	101	86.9	130				
Trichloroethene (TCE)	18.4	0.500	20.00	0	91.9	83.2	130				
Toluene	19.7	0.750	20.00	0	98.7	85	134				
Tetrachloroethene (PCE)	21.0	0.400	20.00	0	105	84.6	133				
Ethylbenzene	20.2	0.400	20.00	0	101	89.5	129				
m,p-Xylene	39.6	1.00	40.00	0	99.0	88.2	127				
o-Xylene	19.7	0.500	20.00	0	98.7	89.6	120				
Surr: Dibromofluoromethane	30.5		25.00		122	89.4	113				S
Surr: Toluene-d8	25.0		25.00		100	87.8	114				

Work Order: 2103499
CLIENT: Aspect Consulting
Project: Skanska NE8th

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103483-002AMS	SampType: MS	Units: µg/L	Prep Date: 3/29/2021	RunNo: 66189							
Client ID: BATCH	Batch ID: 31804	Analysis Date: 3/29/2021	SeqNo: 1331873								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1-Bromo-4-fluorobenzene	25.6		25.00		103	86.8	109				
-------------------------------	------	--	-------	--	-----	------	-----	--	--	--	--

NOTES:

S - Outlying surrogate recovery(ies) observed.

Client Name: AC	Work Order Number: 2103499
Logged by: Gabrielle Coeulle	Date Received: 3/29/2021 4:25:00 PM

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 present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°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 there 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

Chain of Custody Record & Laboratory Services Agreement

Date: 3/29/21 Page: 1 of 1

Project Name: Skanska NE 82

Project No: 18587

Collected by: Baxter Gill

Location: Bellevue, WA

Report To (PM): Ali Cochran

PM Email: acochrane@aspectconsulting.com

Laboratory Project No (Internal): 2103499

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Client: Aspect Consulting
Address: 710 2nd Ave W Ste. 576
City, State, Zip: Seattle, WA, 98107
Telephone:
Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	Analytes													Comments
					VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/heavy Oil Range Organics (DX)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8082 - SIM)	Metals** (EPA 6030 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	PCE + Breakdown		
1 FMW-06-032921	3/29/21	0900	GW	9	X	X	X	X	X	X	X	X	X	X	X	X	X	24 hr TAT
2 FMW-18-032921		1025																
3 FMW-17-032921		1158																
4 FMW-11-032921		1350																
5 FMW-13-032921		1445																
6																		
7																		
8																		
9																		
10																		

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MTC-A-5 RCA-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 Sp Se Sr Sn Ti Tl V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day (specify)

Relinquished (Signature) Baxter Gill Date/Time 3/29/21 1625
 Relinquished (Signature) [Signature] Date/Time [Signature]
 Relinquished (Signature) [Signature] Date/Time [Signature]



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

Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

**RE: Skanska NE 8th Redevelopment
Work Order Number: 2103518**

March 31, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 2 sample(s) on 3/30/2021 for the analyses presented in the following report.

***Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Gasoline by NWTPH-Gx
Volatile Organic Compounds by EPA Method 8260D***

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,

Brianna Barnes
Project Manager

CC:
Amelia Oates
Jessica Smith

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment
Work Order: 2103518

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103518-001	AMW-03-033021	03/30/2021 11:20 AM	03/30/2021 1:14 PM
2103518-002	AMW-04-033021	03/30/2021 10:15 AM	03/30/2021 1:14 PM

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

CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

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.

Qualifiers:

- * - Flagged value is not within established control limits
- 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
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Aspect Consulting

Collection Date: 3/30/2021 11:20:00 AM

Project: Skanska NE 8th Redevelopment

Lab ID: 2103518-001

Matrix: Groundwater

Client Sample ID: AMW-03-033021

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31824

Analyst: MM

Diesel (Fuel Oil)	ND	99.1		µg/L	1	3/31/2021 12:50:34 PM
Heavy Oil	ND	99.1		µg/L	1	3/31/2021 12:50:34 PM
Surr: 2-Fluorobiphenyl	88.3	50 - 150		%Rec	1	3/31/2021 12:50:34 PM
Surr: o-Terphenyl	76.7	50 - 150		%Rec	1	3/31/2021 12:50:34 PM

Gasoline by NWTPH-Gx

Batch ID: 31818

Analyst: CR

Gasoline	ND	50.0		µg/L	1	3/31/2021 12:03:31 PM
Surr: Toluene-d8	101	65 - 135		%Rec	1	3/31/2021 12:03:31 PM
Surr: 4-Bromofluorobenzene	93.8	65 - 135		%Rec	1	3/31/2021 12:03:31 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31818

Analyst: CR

Vinyl chloride	ND	0.350		µg/L	1	3/31/2021 12:03:31 PM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/31/2021 12:03:31 PM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/31/2021 12:03:31 PM
cis-1,2-Dichloroethene	ND	0.500		µg/L	1	3/31/2021 12:03:31 PM
Benzene	0.584	0.440		µg/L	1	3/31/2021 12:03:31 PM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/31/2021 12:03:31 PM
Toluene	0.803	0.750		µg/L	1	3/31/2021 12:03:31 PM
Tetrachloroethene (PCE)	1.49	0.400		µg/L	1	3/31/2021 12:03:31 PM
Ethylbenzene	ND	0.400		µg/L	1	3/31/2021 12:03:31 PM
m,p-Xylene	ND	1.00		µg/L	1	3/31/2021 12:03:31 PM
o-Xylene	ND	0.500		µg/L	1	3/31/2021 12:03:31 PM
Surr: Dibromofluoromethane	119	89.4 - 113	S	%Rec	1	3/31/2021 12:03:31 PM
Surr: Toluene-d8	96.9	87.8 - 114		%Rec	1	3/31/2021 12:03:31 PM
Surr: 1-Bromo-4-fluorobenzene	93.3	86.8 - 109		%Rec	1	3/31/2021 12:03:31 PM

NOTES:

S - Outlying surrogate recovery(ies) observed.



Client: Aspect Consulting
Project: Skanska NE 8th Redevelopment
Lab ID: 2103518-002
Client Sample ID: AMW-04-033021

Collection Date: 3/30/2021 10:15:00 AM
Matrix: Groundwater

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<u>Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.</u>					Batch ID: 31824	Analyst: MM
Diesel (Fuel Oil)	ND	99.1		µg/L	1	3/31/2021 12:37:36 PM
Heavy Oil	ND	99.1		µg/L	1	3/31/2021 12:37:36 PM
Surr: 2-Fluorobiphenyl	85.3	50 - 150		%Rec	1	3/31/2021 12:37:36 PM
Surr: o-Terphenyl	80.7	50 - 150		%Rec	1	3/31/2021 12:37:36 PM
<u>Gasoline by NWTPH-Gx</u>					Batch ID: 31818	Analyst: CR
Gasoline	ND	50.0		µg/L	1	3/31/2021 11:33:20 AM
Surr: Toluene-d8	101	65 - 135		%Rec	1	3/31/2021 11:33:20 AM
Surr: 4-Bromofluorobenzene	94.4	65 - 135		%Rec	1	3/31/2021 11:33:20 AM
<u>Volatile Organic Compounds by EPA Method 8260D</u>					Batch ID: 31818	Analyst: CR
Vinyl chloride	0.485	0.350		µg/L	1	3/31/2021 11:33:20 AM
1,1-Dichloroethene	ND	0.500		µg/L	1	3/31/2021 11:33:20 AM
trans-1,2-Dichloroethene	ND	0.500		µg/L	1	3/31/2021 11:33:20 AM
cis-1,2-Dichloroethene	3.53	0.500		µg/L	1	3/31/2021 11:33:20 AM
Benzene	ND	0.440		µg/L	1	3/31/2021 11:33:20 AM
Trichloroethene (TCE)	ND	0.500		µg/L	1	3/31/2021 11:33:20 AM
Toluene	ND	0.750		µg/L	1	3/31/2021 11:33:20 AM
Tetrachloroethene (PCE)	ND	0.400		µg/L	1	3/31/2021 11:33:20 AM
Ethylbenzene	ND	0.400		µg/L	1	3/31/2021 11:33:20 AM
m,p-Xylene	ND	1.00		µg/L	1	3/31/2021 11:33:20 AM
o-Xylene	ND	0.500		µg/L	1	3/31/2021 11:33:20 AM
Surr: Dibromofluoromethane	118	89.4 - 113	S	%Rec	1	3/31/2021 11:33:20 AM
Surr: Toluene-d8	96.5	87.8 - 114		%Rec	1	3/31/2021 11:33:20 AM
Surr: 1-Bromo-4-fluorobenzene	93.9	86.8 - 109		%Rec	1	3/31/2021 11:33:20 AM

NOTES:

S - Outlying surrogate recovery(ies) observed.

Work Order: 2103518
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-31824	SampType: MBLK	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66246							
Client ID: MBLKW	Batch ID: 31824		Analysis Date: 3/31/2021	SeqNo: 1332832							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	98.7									
Heavy Oil	ND	98.7									
Surr: 2-Fluorobiphenyl	19.2		19.73		97.1	50	150				
Surr: o-Terphenyl	20.0		19.73		101	50	150				

Sample ID: LCS-31824	SampType: LCS	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66246							
Client ID: LCSW	Batch ID: 31824		Analysis Date: 3/31/2021	SeqNo: 1332833							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	937	99.6	996.4	0	94.0	32.2	104				
Surr: 2-Fluorobiphenyl	18.0		19.93		90.5	50	150				
Surr: o-Terphenyl	22.8		19.93		115	50	150				

Sample ID: 2103498-001BDUP	SampType: DUP	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66246							
Client ID: BATCH	Batch ID: 31824		Analysis Date: 3/31/2021	SeqNo: 1332835							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Diesel (Fuel Oil)	ND	99.2						0		30	
Heavy Oil	107	99.2						155.8	37.0	30	
Surr: 2-Fluorobiphenyl	11.5		19.84		58.1	50	150		0		
Surr: o-Terphenyl	11.5		19.84		58.1	50	150		0		

Work Order: 2103518
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-31818	SampType: LCS	Units: µg/L			Prep Date: 3/30/2021	RunNo: 66238					
Client ID: LCSW	Batch ID: 31818				Analysis Date: 3/31/2021	SeqNo: 1332932					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	525	50.0	500.0	0	105	65	135				
Surr: Toluene-d8	25.2		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	24.6		25.00		98.5	65	135				

Sample ID: MB-31818	SampType: MBLK	Units: µg/L			Prep Date: 3/30/2021	RunNo: 66238					
Client ID: MBLKW	Batch ID: 31818				Analysis Date: 3/31/2021	SeqNo: 1332891					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	50.0									
Surr: Toluene-d8	25.1		25.00		101	65	135				
Surr: 4-Bromofluorobenzene	23.7		25.00		94.7	65	135				

Sample ID: 2103510-001ADUP	SampType: DUP	Units: µg/L			Prep Date: 3/30/2021	RunNo: 66238					
Client ID: BATCH	Batch ID: 31818				Analysis Date: 3/31/2021	SeqNo: 1332886					
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	25.1		25.00		101	65	135		0		
Surr: 4-Bromofluorobenzene	23.4		25.00		93.7	65	135		0		

Sample ID: 2103500-002AMS	SampType: MS	Units: µg/L			Prep Date: 3/30/2021	RunNo: 66238					
Client ID: BATCH	Batch ID: 31818				Analysis Date: 3/31/2021	SeqNo: 1332884					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	468	50.0	500.0	0	93.6	65	135				
Surr: Toluene-d8	25.4		25.00		102	65	135				
Surr: 4-Bromofluorobenzene	24.5		25.00		97.9	65	135				

Work Order: 2103518
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31818	SampType: LCS	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: LCSW	Batch ID: 31818		Analysis Date: 3/30/2021	SeqNo: 1332863							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	16.0	0.350	20.00	0	80.1	80	120				
1,1-Dichloroethene	20.6	0.500	20.00	0	103	80	120				
trans-1,2-Dichloroethene	21.7	0.500	20.00	0	108	80	120				
cis-1,2-Dichloroethene	22.9	0.500	20.00	0	115	80	120				
Benzene	23.2	0.440	20.00	0	116	80	120				
Trichloroethene (TCE)	19.3	0.500	20.00	0	96.5	80	120				
Toluene	20.0	0.750	20.00	0	100	80	120				
Tetrachloroethene (PCE)	22.3	0.400	20.00	0	112	80	120				
Ethylbenzene	20.6	0.400	20.00	0	103	80	120				
m,p-Xylene	40.6	1.00	40.00	0	101	80	120				
o-Xylene	19.8	0.500	20.00	0	98.9	80	120				
Surr: Dibromofluoromethane	33.5		25.00		134	80	120				S
Surr: Toluene-d8	25.0		25.00		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	24.6		25.00		98.3	80	120				

NOTES:
S - Outlying surrogate recovery(ies) observed.

Sample ID: MB-31818	SampType: MBLK	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: MBLKW	Batch ID: 31818		Analysis Date: 3/30/2021	SeqNo: 1332862							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350									
1,1-Dichloroethene	ND	0.500									
trans-1,2-Dichloroethene	ND	0.500									
cis-1,2-Dichloroethene	ND	0.500									
Benzene	ND	0.440									
Trichloroethene (TCE)	ND	0.500									
Toluene	ND	0.750									
Tetrachloroethene (PCE)	ND	0.400									
Ethylbenzene	ND	0.400									
m,p-Xylene	ND	1.00									

Work Order: 2103518
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-31818	SampType: MBLK	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: MBLKW	Batch ID: 31818		Analysis Date: 3/30/2021	SeqNo: 1332862							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

o-Xylene	ND	0.500									
Surr: Dibromofluoromethane	29.4		25.00		117	89.4	113				S
Surr: Toluene-d8	23.8		25.00		95.2	87.8	114				
Surr: 1-Bromo-4-fluorobenzene	23.6		25.00		94.2	86.8	109				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample ID: 2103470-003ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: BATCH	Batch ID: 31818		Analysis Date: 3/30/2021	SeqNo: 1332849							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	0.460	0.350						0.4515	1.91	30	
1,1-Dichloroethene	0.881	0.500						0.9936	12.0	30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	8.14	0.500						8.403	3.18	30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	22.7	0.500						22.79	0.422	30	
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	255	0.400						261.5	2.61	30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	27.5		25.00		110	89.4	113		0		
Surr: Toluene-d8	24.1		25.00		96.3	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.4		25.00		93.4	86.8	109		0		

Work Order: 2103518
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103510-001ADUP	SampType: DUP	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: BATCH	Batch ID: 31818		Analysis Date: 3/31/2021	SeqNo: 1332856							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	ND	0.350						0		30	
1,1-Dichloroethene	ND	0.500						0		30	
trans-1,2-Dichloroethene	ND	0.500						0		30	
cis-1,2-Dichloroethene	ND	0.500						0		30	
Benzene	ND	0.440						0		30	
Trichloroethene (TCE)	ND	0.500						0		30	
Toluene	ND	0.750						0		30	
Tetrachloroethene (PCE)	ND	0.400						0.4795	39.0	30	
Ethylbenzene	ND	0.400						0		30	
m,p-Xylene	ND	1.00						0		30	
o-Xylene	ND	0.500						0		30	
Surr: Dibromofluoromethane	29.8		25.00		119	89.4	113		0		S
Surr: Toluene-d8	24.0		25.00		96.1	87.8	114		0		
Surr: 1-Bromo-4-fluorobenzene	23.3		25.00		93.1	86.8	109		0		

NOTES:

S - Outlying surrogate recovery(ies) observed.

Sample ID: 2103470-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: BATCH	Batch ID: 31818		Analysis Date: 3/31/2021	SeqNo: 1332846							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Vinyl chloride	13.8	0.350	20.00	0	69.1	57.3	148				
1,1-Dichloroethene	19.3	0.500	20.00	0	96.5	87.9	131				
trans-1,2-Dichloroethene	19.1	0.500	20.00	0	95.5	87.7	128				
cis-1,2-Dichloroethene	19.0	0.500	20.00	0	95.2	87.1	126				
Benzene	18.9	0.440	20.00	0	94.5	86.9	130				
Trichloroethene (TCE)	17.3	0.500	20.00	0	86.7	83.2	130				
Toluene	18.8	0.750	20.00	0	93.8	85	134				
Tetrachloroethene (PCE)	20.7	0.400	20.00	0	103	84.6	133				
Ethylbenzene	19.3	0.400	20.00	0	96.7	89.5	129				
m,p-Xylene	37.9	1.00	40.00	0	94.9	88.2	127				

Work Order: 2103518
CLIENT: Aspect Consulting
Project: Skanska NE 8th Redevelopment

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103470-001AMS	SampType: MS	Units: µg/L	Prep Date: 3/30/2021	RunNo: 66237							
Client ID: BATCH	Batch ID: 31818		Analysis Date: 3/31/2021	SeqNo: 1332846							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

o-Xylene	18.7	0.500	20.00	0	93.7	89.6	120				
Surr: Dibromofluoromethane	31.0		25.00		124	89.4	113				S
Surr: Toluene-d8	25.0		25.00		100	87.8	114				
Surr: 1-Bromo-4-fluorobenzene	25.2		25.00		101	86.8	109				

NOTES:

S - Outlying surrogate recovery(ies) observed.

Client Name: **AC**

 Work Order Number: **2103518**

 Logged by: **Gabrielle Coeuille**

 Date Received: **3/30/2021 1:14:00 PM**

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 present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°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 there 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.1

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



Fremont
Analytical

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

Chain of Custody Record & Laboratory Services Agreement

Date: 3/30/21 Page: 1 of 1
Project Name: Skanska NESM Redevelopment

Project No: 180587

Collected by: Rachel Cornwell

Location: Hi ~~off~~ cochrane

Report To (PM): ~~Hi off~~ cochrane

PM Email: acochrane@aspectconsulting.com

Laboratory Project No (Internal): 2103518
Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCS (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DRO)	SVOCs (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 808)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDs (8011)	Comments
1 AMW-03-033021	03/30/21	1120	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	High turbidity, sediment
2 AMW-04-033021	↓	1015	GW	4	X	X	X	X	X	X	X	X	X	X	X	X	High turbidity
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water
 Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Tl V Zn
 Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite
 I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature) *Rachel Cornwell* Print Name Rachel Cornwell Date/Time 3/30/21 12:40
 Relinquished (Signature) *Antony Johnson* Print Name Antony Johnson Date/Time 3/30/21 13:14
 Turn-around Time: Standard Next Day 3 Day Same Day 2 Day (specify)

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

May 24, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on May 14, 2019 from the Skanska NE8 180587, F&BI 905271 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0524R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 14, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 905271 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
905271 -01	AMW-01-2.5
905271 -02	AMW-01-5.0
905271 -03	AMW-01-7.5
905271 -04	AMW-01-10.0
905271 -05	AMW-01-15.0
905271 -06	AMW-01-20.0
905271 -07	AMW-01-25.0
905271 -08	AMW-01-30.0
905271 -09	AMW-01-35.0
905271 -10	AMW-01-40.0
905271 -11	AMW-01-45.0
905271 -12	AMW-01-50.0
905271 -13	AMW-01-55.0
905271 -14	AMW-01-60.0
905271 -15	AMW-01-65.0
905271 -16	AMW-01-66.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19
Date Received: 05/14/19
Project: Skanska NE8 180587, F&BI 905271
Date Extracted: 05/16/19
Date Analyzed: 05/17/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 58-139)
AMW-01-5.0 905271-02	<5	89
AMW-01-10.0 905271-04	<5	89
Method Blank 09-848 MB	<5	114

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/14/19

Project: Skanska NE8 180587, F&BI 905271

Date Extracted: 05/16/19

Date Analyzed: 05/16/19

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AMW-01-5.0 905271-02	<50	<250	82
AMW-01-10.0 905271-04	<50	<250	83
Method Blank 09-1156 MB	<50	<250	84

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AMW-01-5.0	Client:	Aspect Consulting, LLC
Date Received:	05/14/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905271-02
Date Analyzed:	05/23/19	Data File:	052257.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AMW-01-10.0	Client:	Aspect Consulting, LLC
Date Received:	05/14/19	Project:	Skanska NE8 180587
Date Extracted:	05/23/19	Lab ID:	905271-04
Date Analyzed:	05/23/19	Data File:	052316.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AMW-01-25.0	Client:	Aspect Consulting, LLC
Date Received:	05/14/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905271-07
Date Analyzed:	05/23/19	Data File:	052259.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AMW-01-66.0	Client:	Aspect Consulting, LLC
Date Received:	05/14/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905271-16
Date Analyzed:	05/23/19	Data File:	052260.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	09-1138 mb
Date Analyzed:	05/22/19	Data File:	052213.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AMW-01-5.0	Client:	Aspect Consulting, LLC
Date Received:	05/14/19	Project:	Skanska NE8 180587
Date Extracted:	05/17/19	Lab ID:	905271-02 1/5
Date Analyzed:	05/20/19	Data File:	052011.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	75	31	163
Benzo(a)anthracene-d12	83	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	05/17/19	Lab ID:	09-1163 mb 1/5
Date Analyzed:	05/20/19	Data File:	052006.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	82	31	163
Benzo(a)anthracene-d12	94	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/14/19

Project: Skanska NE8 180587, F&BI 905271

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 905297-08 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	85	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/14/19

Project: Skanska NE8 180587, F&BI 905271

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

Laboratory Code: 905191-09 (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	440	100	99	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	91	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/14/19

Project: Skanska NE8 180587, F&BI 905271

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	105	98	58-153	7
Chloromethane	mg/kg (ppm)	0.05	100	99	49-158	1
Vinyl chloride	mg/kg (ppm)	0.05	98	97	55-155	1
Bromomethane	mg/kg (ppm)	0.05	97	102	62-155	5
Chloroethane	mg/kg (ppm)	0.05	92	91	48-179	1
Trichlorofluoromethane	mg/kg (ppm)	0.05	96	96	52-161	0
Acetone	mg/kg (ppm)	0.25	109	110	48-156	1
1,1-Dichloroethene	mg/kg (ppm)	0.05	98	99	63-144	1
Hexane	mg/kg (ppm)	0.05	90	89	70-130	1
Methylene chloride	mg/kg (ppm)	0.05	74	78	26-164	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	94	96	49-148	2
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	99	100	70-130	1
1,1-Dichloroethane	mg/kg (ppm)	0.05	98	99	70-130	1
2,2-Dichloropropane	mg/kg (ppm)	0.05	91	91	70-130	0
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	98	100	70-130	2
Chloroform	mg/kg (ppm)	0.05	98	99	70-130	1
2-Butanone (MEK)	mg/kg (ppm)	0.25	124	128	14-169	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	97	99	69-137	2
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	98	98	71-140	0
1,1-Dichloropropene	mg/kg (ppm)	0.05	97	98	69-138	1
Carbon tetrachloride	mg/kg (ppm)	0.05	96	98	76-140	2
Benzene	mg/kg (ppm)	0.05	98	100	67-138	2
Trichloroethene	mg/kg (ppm)	0.05	101	101	70-130	0
1,2-Dichloropropane	mg/kg (ppm)	0.05	104	105	64-143	1
Bromodichloromethane	mg/kg (ppm)	0.05	102	104	71-140	2
Dibromomethane	mg/kg (ppm)	0.05	102	104	70-130	2
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	115	120	31-183	4
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	107	50-162	2
Toluene	mg/kg (ppm)	0.05	95	96	12-185	1
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	109	67-144	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	102	107	70-130	5
2-Hexanone	mg/kg (ppm)	0.25	114	121	14-162	6
1,3-Dichloropropane	mg/kg (ppm)	0.05	101	106	23-189	5
Tetrachloroethene	mg/kg (ppm)	0.05	95	98	35-176	3
Dibromochloromethane	mg/kg (ppm)	0.05	101	104	57-161	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	102	109	70-130	7
Chlorobenzene	mg/kg (ppm)	0.05	97	99	70-130	2
Ethylbenzene	mg/kg (ppm)	0.05	97	100	70-130	3
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	95	99	70-130	4
m,p-Xylene	mg/kg (ppm)	0.1	98	100	70-130	2
o-Xylene	mg/kg (ppm)	0.05	97	101	70-130	4
Styrene	mg/kg (ppm)	0.05	102	105	70-130	3
Isopropylbenzene	mg/kg (ppm)	0.05	97	99	70-130	2
Bromoform	mg/kg (ppm)	0.05	104	111	70-130	7
n-Propylbenzene	mg/kg (ppm)	0.05	98	101	70-130	3
Bromobenzene	mg/kg (ppm)	0.05	97	102	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	96	100	34-175	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	100	107	54-149	7
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	104	110	70-130	6
2-Chlorotoluene	mg/kg (ppm)	0.05	96	100	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	96	99	70-130	3
tert-Butylbenzene	mg/kg (ppm)	0.05	98	101	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	95	98	70-130	3
sec-Butylbenzene	mg/kg (ppm)	0.05	97	100	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	97	100	70-130	3
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	98	101	70-130	3
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	95	100	70-130	5
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	94	97	70-130	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	102	110	68-124	8
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	108	109	66-129	1
Hexachlorobutadiene	mg/kg (ppm)	0.05	95	102	70-130	7
Naphthalene	mg/kg (ppm)	0.05	99	103	70-130	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	102	104	55-146	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/14/19

Project: Skanska NE8 180587, F&BI 905271

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270D SIM**

Laboratory Code: 905330-02 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	70	44-129
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	74	52-121
Acenaphthene	mg/kg (ppm)	0.17	<0.01	73	51-123
Fluorene	mg/kg (ppm)	0.17	<0.01	78	37-137
Phenanthrene	mg/kg (ppm)	0.17	<0.01	75	34-141
Anthracene	mg/kg (ppm)	0.17	<0.01	74	32-124
Fluoranthene	mg/kg (ppm)	0.17	<0.01	78	16-160
Pyrene	mg/kg (ppm)	0.17	<0.01	83	10-180
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	80	23-144
Chrysene	mg/kg (ppm)	0.17	<0.01	78	32-149
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	77	23-176
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	79	42-139
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	78	21-163
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	74	23-170
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	73	31-146
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	67	37-133

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	82	83	58-121	1
Acenaphthylene	mg/kg (ppm)	0.17	86	86	54-121	0
Acenaphthene	mg/kg (ppm)	0.17	85	87	54-123	2
Fluorene	mg/kg (ppm)	0.17	90	88	56-127	2
Phenanthrene	mg/kg (ppm)	0.17	86	88	55-122	2
Anthracene	mg/kg (ppm)	0.17	86	85	50-120	1
Fluoranthene	mg/kg (ppm)	0.17	88	84	54-129	5
Pyrene	mg/kg (ppm)	0.17	89	95	53-127	7
Benz(a)anthracene	mg/kg (ppm)	0.17	89	92	51-115	3
Chrysene	mg/kg (ppm)	0.17	87	92	55-129	6
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	85	85	56-123	0
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	83	89	54-131	7
Benzo(a)pyrene	mg/kg (ppm)	0.17	81	84	51-118	4
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	89	99	49-148	11
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	90	98	50-141	9
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	85	92	52-131	8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

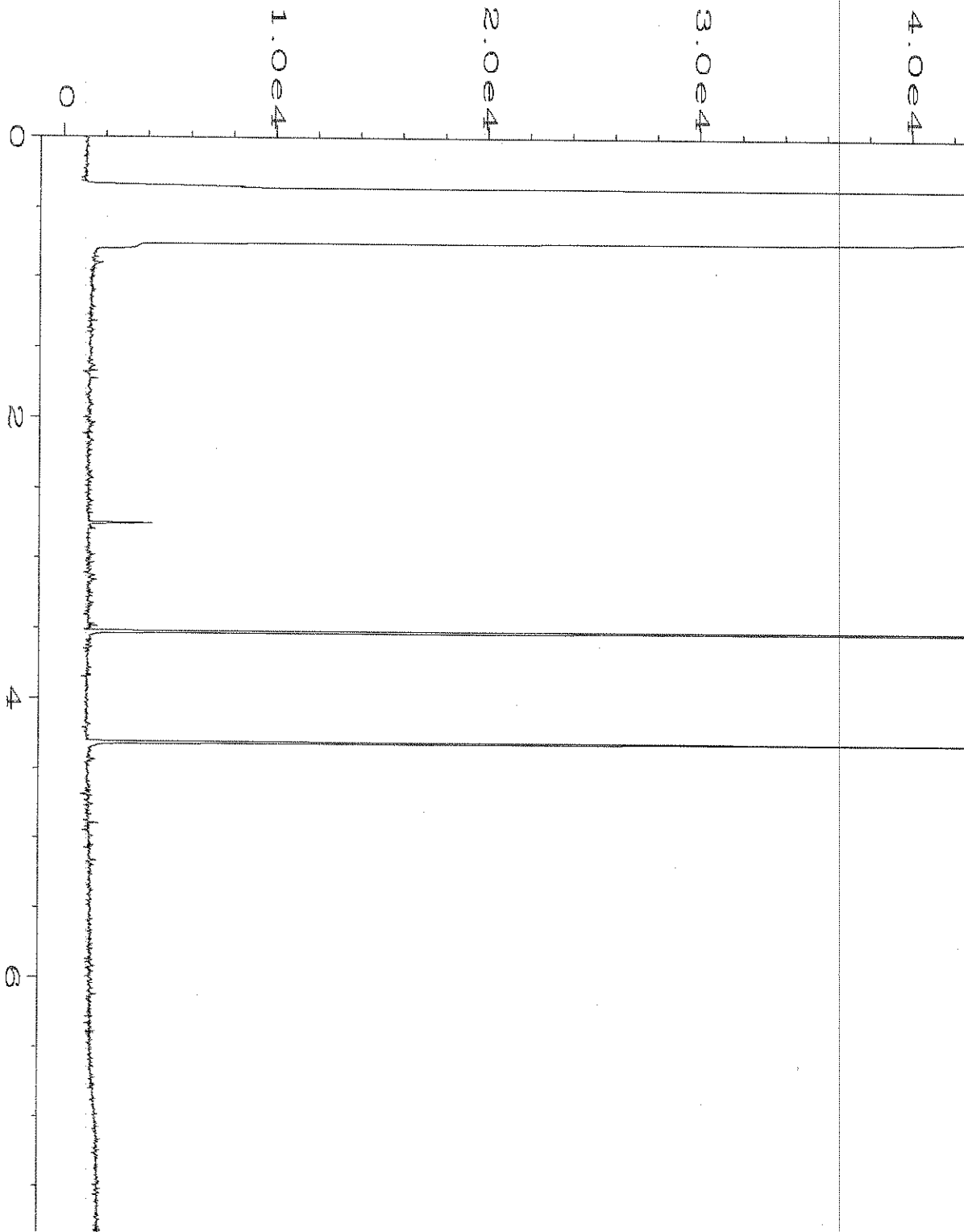
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

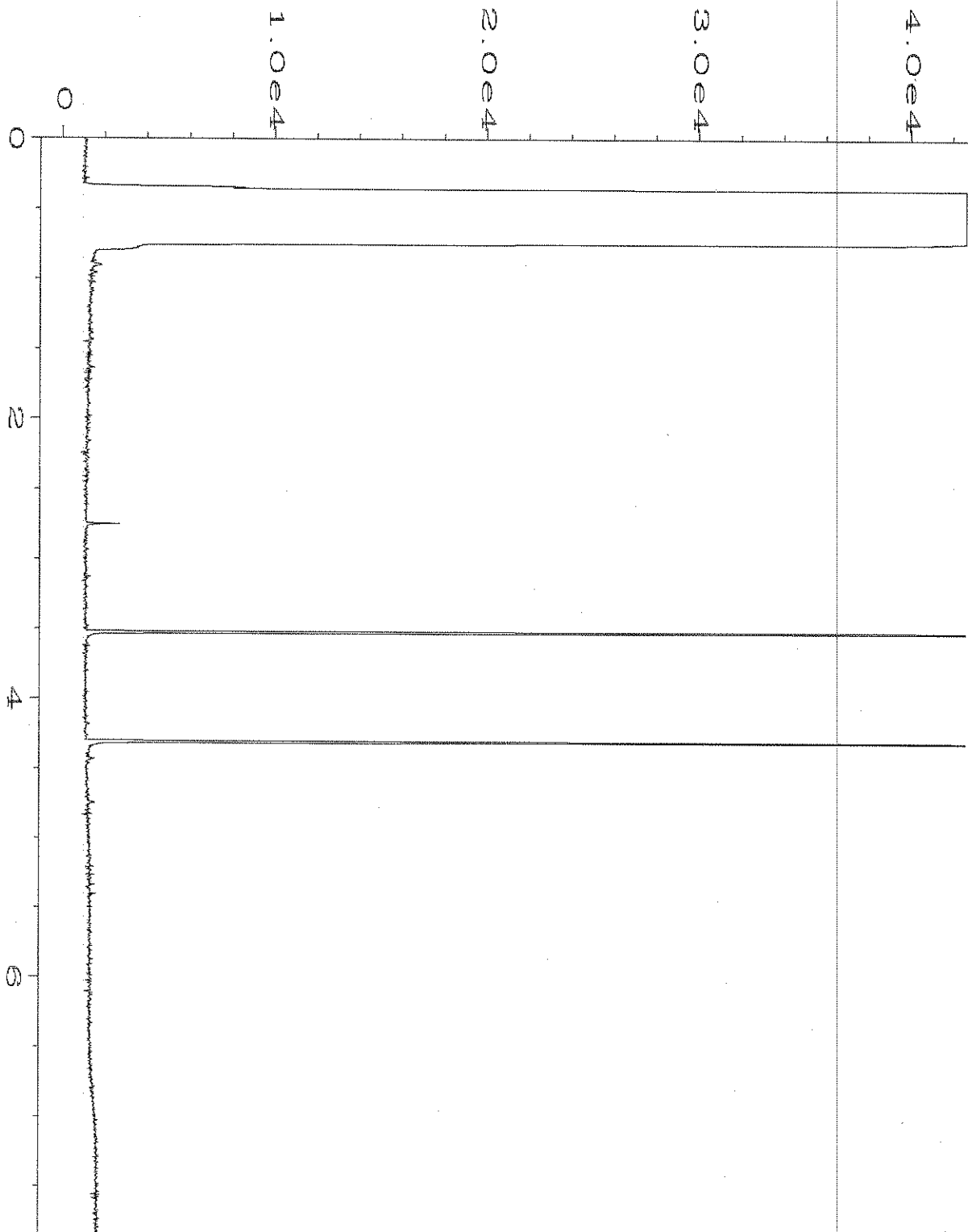
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

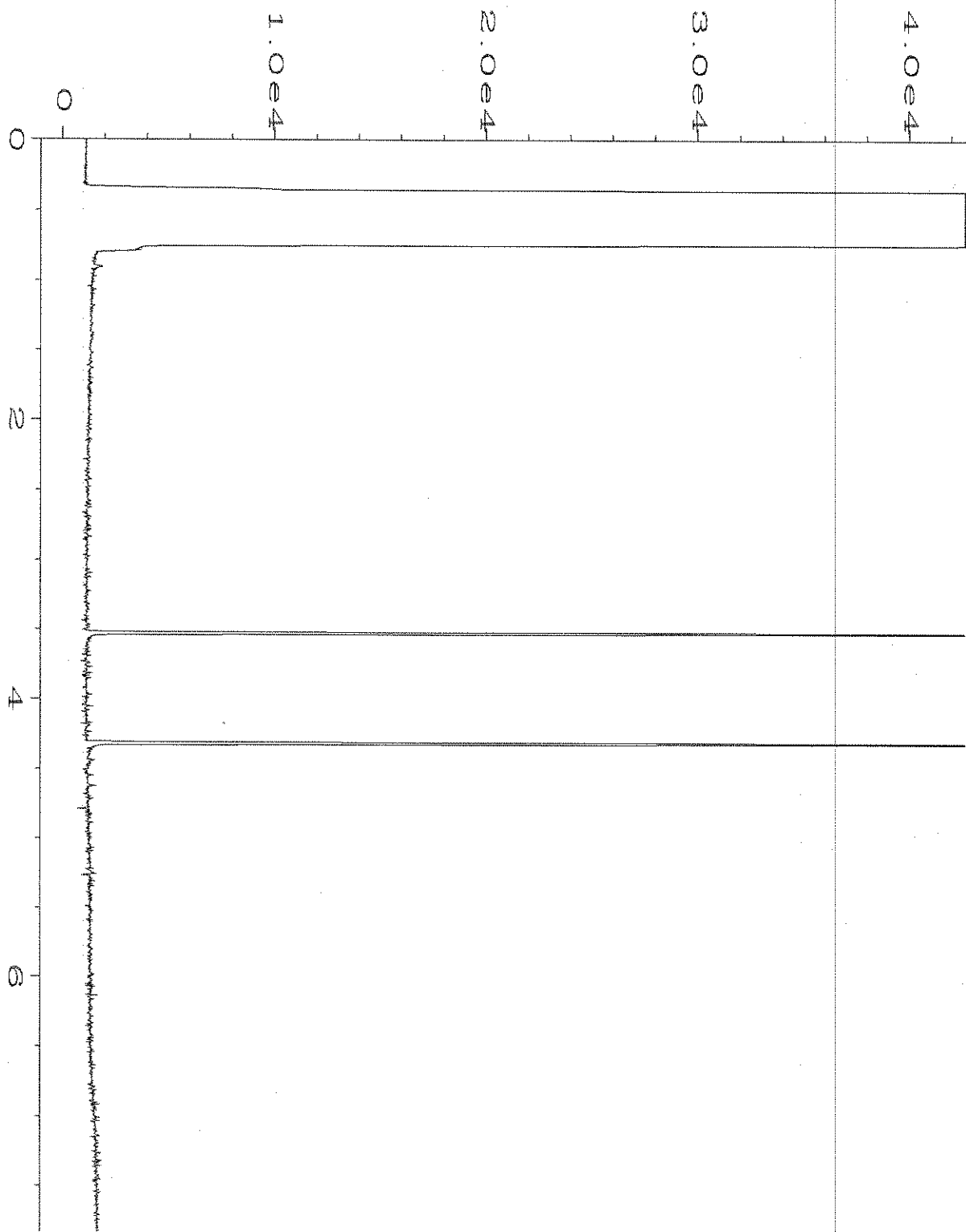
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



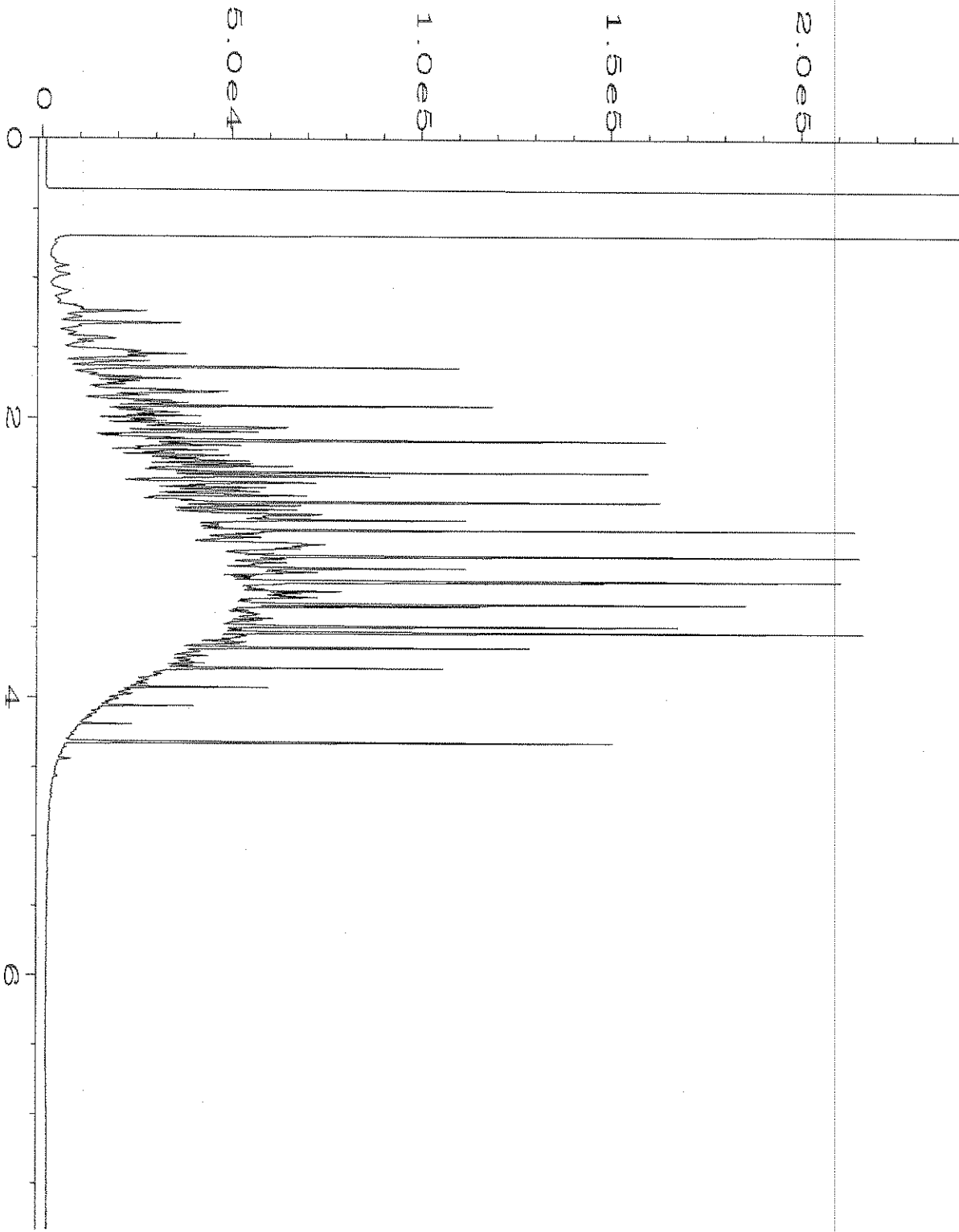
Data File Name	: C:\HPCHEM\4\DATA\05-16-19\058F1301.D	Page Number	: 1
Operator	: TL	Vial Number	: 58
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905271-02	Sequence Line	: 13
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 16 May 19 10:20 PM	Analysis Method	: DX.MTH
Report Created on:	17 May 19 10:18 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-16-19\059F1301.D	Page Number	: 1
Operator	: TL	Vial Number	: 59
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905271-04	Sequence Line	: 13
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 16 May 19 10:32 PM	Analysis Method	: DX.MTH
Report Created on:	17 May 19 10:18 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-16-19\025F0701.D	Page Number	: 1
Operator	: TL	Vial Number	: 25
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 09-1156 mb	Sequence Line	: 7
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 16 May 19 01:48 PM	Analysis Method	: DX.MTH
Report Created on:	17 May 19 10:16 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-16-19\005F0801.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 1000 Dx 57-31B	Sequence Line	: 8
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 16 May 19 02:46 PM	Analysis Method	: DX.MTH
Report Created on:	17 May 19 10:21 AM		

SAMPLE CHAIN OF CUSTODY

ME 05-14-19

Page # 1 of 2 Pos/

905271
 Report To Jessica Smith & Ali Lockman

Company Aspect Consulting

Address 710 2nd Ave Suite 550

City, State, ZIP Seattle, WA 98104

Phone _____ Email _____

SAMPLERS (signature) Kristin Beck

PROJECT NAME

Skanska NE8

PO #

180587

INVOICE TO

Acctg Payable

TURNAROUND TIME 155

Standard Turnaround
 RUSH
 Rush charges authorized by: _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Archive Samples
 Other _____

REMARKS
Please hold

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes	
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		cVOCs
AMW-01-2.5	DIA-E	5/14/19	0908	Soil	5									X-per Acc 5/15/19
AMW-01-5.0	02		0912			X	X				X			ME
AMW-01-7.5	03		0916											
AMW-01-10.0	04		0921			X	X				X			
AMW-01-15.0	05		0929											
AMW-01-20.0	06		0933											
AMW-01-25.0	07		0943								X			
AMW-01-30.0	08		0958											
AMW-01-35.0	09		1000											
AMW-01-40.0	10		1015											

SIGNATURE

Relinquished by: Kristin Beck

Received by: James Broys

PRINT NAME

Kristin Beck

James Broys

COMPANY

Aspect

F&B

DATE

5/14/19

5/14

TIME

6:15

6:15

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

Received by: _____

Samples received at 2:00

905271

Report To Jessica Smith & Ali Cochran

Company Aspect Consulting

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLE CHAIN OF CUSTODY

ME 05-14-19

Page # 2 of 2 2003

SAMPLERS (signature) <u>Art Beck</u>	PROJECT NAME <u>Skanska NE8</u>	PO # <u>180587</u>
REMARKS <u>Please hold</u>	INVOICE TO	

TURNAROUND TIME 155

SAMPLE DISPOSAL
 Standard Turnaround
 RUSH
 Dispose after 30 days
 Archive Samples
 Other

Rush charges authorized by: _____

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		cVOCs	
AMW-01-45.0	11A-E	5/13/19 <u>10:30 AM</u>	1048	soil	5										
AMW-01-50.0	13	5/13/19	1103		1										
AMW-01-55.0	13		1112		1										
AMW-01-60.0	14		1128												
AMW-01-65.0	15		1139												
AMW-01-66.0	16		1152												

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>Art Beck</u>	<u>Art Beck</u>	<u>Aspect</u>	5/14/19	6:15		
Received by: <u>[Signature]</u>	<u>Tamas Brock</u>	<u>Tamas Brock</u>	<u>F&B</u>	5/14	6:15		
Relinquished by: _____							
Received by: _____							

Samples received at 7:00

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

May 24, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on May 15, 2019 from the Skanska NE8 180587, F&BI 905297 project. There are 23 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0524R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 15, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 905297 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
905297 -01	AB-02-2.5
905297 -02	AB-02-5.0
905297 -03	AB-02-7.5
905297 -04	AB-02-10.0
905297 -05	AB-02-15.0
905297 -06	AB-02-20.0
905297 -07	AB-02-25.0
905297 -08	AB-02-30.0
905297 -09	AB-02-35.0
905297 -10	AB-02-40.0
905297 -11	AB-02-45.0
905297 -12	AB-02-50.0
905297 -13	AB-02-55.0
905297 -14	AB-02-60.0
905297 -15	AB-01-2.5
905297 -16	AB-01-5.0
905297 -17	AB-01-7.5
905297 -18	AB-01-10.0
905297 -19	AB-01-15.0
905297 -20	AB-01-20.0
905297 -21	AB-01-25.0
905297 -22	AB-01-30.0
905297 -23	AB-01-35.0

A 6020A internal standard failed the acceptance criteria for sample AB-02-60.0. The sample was diluted and reanalyzed with acceptable results. Both data sets were reported.

An 8260C internal standard failed the acceptance criteria twice for sample AB-01-7.5. The sample was diluted via methanolic extraction and reanalyzed with acceptable results. Both data sets were reported.

Methylene chloride was detected in the 8260C analysis of sample AB-01-35.0. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19
Date Received: 05/15/19
Project: Skanska NE8 180587, F&BI 905297
Date Extracted: 05/16/19
Date Analyzed: 05/16/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
AB-02-7.5 905297-03	<5	97
AB-02-30.0 905297-08	<5	112
AB-01-7.5 905297-17	<5	112
Method Blank 09-848 MB	<5	114

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19
Date Received: 05/15/19
Project: Skanska NE8 180587, F&BI 905297
Date Extracted: 05/17/19
Date Analyzed: 05/17/19

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

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
AB-01-25.0 905297-21	<0.02	<0.02	<0.02	<0.06	<5	108
Method Blank 09-848 MB	<0.02	<0.02	<0.02	<0.06	<5	108

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19
Date Received: 05/15/19
Project: Skanska NE8 180587, F&BI 905297
Date Extracted: 05/17/19
Date Analyzed: 05/17/19

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AB-02-7.5 905297-03	<50	<250	84
AB-02-30.0 905297-08	<50	<250	85
AB-01-7.5 905297-17	<50	<250	96
AB-01-25.0 905297-21	<50	<250	91
Method Blank 09-1160 MB	<50	<250	80

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-02-60.0	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/16/19	Lab ID:	905297-14
Date Analyzed:	05/16/19	Data File:	905297-14.078
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	3.62
Barium	73.2
Cadmium	<1
Chromium	41.5 J
Lead	9.95
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-02-60.0	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/16/19	Lab ID:	905297-14 x5
Date Analyzed:	05/17/19	Data File:	905297-14 x5.038
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Chromium	46.8
----------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska NE8 180587
Date Extracted:	05/16/19	Lab ID:	I9-318 mb
Date Analyzed:	05/16/19	Data File:	I9-318 mb.039
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID: AB-02-7.5	Client: Aspect Consulting, LLC
Date Received: 05/15/19	Project: Skanska NE8 180587
Date Extracted: 05/22/19	Lab ID: 905297-03
Date Analyzed: 05/22/19	Data File: 052248.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-02-30.0	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905297-08
Date Analyzed:	05/22/19	Data File:	052249.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	112	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-02-60.0	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905297-14
Date Analyzed:	05/22/19	Data File:	052250.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	107	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID: AB-01-7.5	Client: Aspect Consulting, LLC
Date Received: 05/15/19	Project: Skanska NE8 180587
Date Extracted: 05/23/19	Lab ID: 905297-17
Date Analyzed: 05/23/19	Data File: 052317.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92 J	50	150
Toluene-d8	96 J	50	150
4-Bromofluorobenzene	95 J	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05 J	1,3-Dichloropropane	<0.005 J
Chloromethane	<0.05 J	Tetrachloroethene	<0.005 J
Vinyl chloride	<0.005 J	Dibromochloromethane	<0.005 J
Bromomethane	<0.05 J	1,2-Dibromoethane (EDB)	<0.005 J
Chloroethane	<0.05 J	Chlorobenzene	<0.005 J
Trichlorofluoromethane	<0.05 J	Ethylbenzene	<0.005 J
Acetone	<0.05 J	1,1,1,2-Tetrachloroethane	<0.005 J
1,1-Dichloroethene	<0.005 J	m,p-Xylene	<0.01 J
Hexane	<0.025 J	o-Xylene	<0.005 J
Methylene chloride	<0.05 J	Styrene	<0.005 J
Methyl t-butyl ether (MTBE)	<0.005 J	Isopropylbenzene	<0.005 J
trans-1,2-Dichloroethene	<0.005 J	Bromoform	<0.005 J
1,1-Dichloroethane	<0.005 J	n-Propylbenzene	<0.005 J
2,2-Dichloropropane	<0.005 J	Bromobenzene	<0.005 J
cis-1,2-Dichloroethene	<0.005 J	1,3,5-Trimethylbenzene	<0.005 J
Chloroform	<0.005 J	1,1,2,2-Tetrachloroethane	<0.005 J
2-Butanone (MEK)	<0.05 J	1,2,3-Trichloropropane	<0.005 J
1,2-Dichloroethane (EDC)	<0.005 J	2-Chlorotoluene	<0.005 J
1,1,1-Trichloroethane	<0.005 J	4-Chlorotoluene	<0.005 J
1,1-Dichloropropene	<0.005 J	tert-Butylbenzene	<0.005 J
Carbon tetrachloride	<0.005 J	1,2,4-Trimethylbenzene	<0.005 J
Benzene	<0.003 J	sec-Butylbenzene	<0.005 J
Trichloroethene	<0.003 J	p-Isopropyltoluene	<0.005 J
1,2-Dichloropropane	<0.005 J	1,3-Dichlorobenzene	<0.005 J
Bromodichloromethane	<0.005 J	1,4-Dichlorobenzene	<0.005 J
Dibromomethane	<0.005 J	1,2-Dichlorobenzene	<0.005 J
4-Methyl-2-pentanone	<0.05 J	1,2-Dibromo-3-chloropropane	<0.05 J
cis-1,3-Dichloropropene	<0.005 J	1,2,4-Trichlorobenzene	<0.025 J
Toluene	<0.005 J	Hexachlorobutadiene	<0.025 J
trans-1,3-Dichloropropene	<0.005 J	Naphthalene	<0.005 J
1,1,2-Trichloroethane	<0.005 J	1,2,3-Trichlorobenzene	<0.025 J
2-Hexanone	<0.05 J		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-01-15.0	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905297-19
Date Analyzed:	05/22/19	Data File:	052252.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	96	50	150
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-01-35.0	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	905297-23
Date Analyzed:	05/23/19	Data File:	052253.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	95	50	150
4-Bromofluorobenzene	117	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.054 lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	05/22/19	Lab ID:	09-1138 mb
Date Analyzed:	05/22/19	Data File:	052213.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	AB-01-7.5	Client:	Aspect Consulting, LLC
Date Received:	05/15/19	Project:	Skanska NE8 180587
Date Extracted:	05/16/19	Lab ID:	905297-17
Date Analyzed:	05/17/19	Data File:	051730.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	97	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	05/16/19	Lab ID:	09-1127 mb
Date Analyzed:	05/16/19	Data File:	051611.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	99	55	145
4-Bromofluorobenzene	97	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		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/15/19

Project: Skanska NE8 180587, F&BI 905297

**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: 905297-08 (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)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	
			Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	112	69-120
Toluene	mg/kg (ppm)	0.5	103	70-117
Ethylbenzene	mg/kg (ppm)	0.5	109	65-123
Xylenes	mg/kg (ppm)	1.5	106	66-120
Gasoline	mg/kg (ppm)	20	85	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/15/19

Project: Skanska NE8 180587, F&BI 905297

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

Laboratory Code: 905329-07 (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	84	86	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	96	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/15/19

Project: Skanska NE8 180587, F&BI 905297

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 905320-09 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<5	81	99	75-125	20
Barium	mg/kg (ppm)	50	45.6	110 b	129 b	75-125	16 b
Cadmium	mg/kg (ppm)	10	<5	96	99	75-125	3
Chromium	mg/kg (ppm)	50	15.6	93	105	75-125	12
Lead	mg/kg (ppm)	50	15.3	85	94	75-125	10
Mercury	mg/kg (ppm)	5	<5	90	96	75-125	6
Selenium	mg/kg (ppm)	5	<5	79	82	75-125	4
Silver	mg/kg (ppm)	10	<5	98	101	75-125	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	87	80-120
Barium	mg/kg (ppm)	50	100	80-120
Cadmium	mg/kg (ppm)	10	99	80-120
Chromium	mg/kg (ppm)	50	98	80-120
Lead	mg/kg (ppm)	50	102	80-120
Mercury	mg/kg (ppm)	5	81	80-120
Selenium	mg/kg (ppm)	5	98	80-120
Silver	mg/kg (ppm)	10	104	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/15/19

Project: Skanska NE8 180587, F&BI 905297

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	105	98	58-153	7
Chloromethane	mg/kg (ppm)	0.05	100	99	49-158	1
Vinyl chloride	mg/kg (ppm)	0.05	98	97	55-155	1
Bromomethane	mg/kg (ppm)	0.05	97	102	62-155	5
Chloroethane	mg/kg (ppm)	0.05	92	91	48-179	1
Trichlorofluoromethane	mg/kg (ppm)	0.05	96	96	52-161	0
Acetone	mg/kg (ppm)	0.25	109	110	48-156	1
1,1-Dichloroethene	mg/kg (ppm)	0.05	98	99	63-144	1
Hexane	mg/kg (ppm)	0.05	90	89	70-130	1
Methylene chloride	mg/kg (ppm)	0.05	74	78	26-164	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	94	96	49-148	2
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	99	100	70-130	1
1,1-Dichloroethane	mg/kg (ppm)	0.05	98	99	70-130	1
2,2-Dichloropropane	mg/kg (ppm)	0.05	91	91	70-130	0
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	98	100	70-130	2
Chloroform	mg/kg (ppm)	0.05	98	99	70-130	1
2-Butanone (MEK)	mg/kg (ppm)	0.25	124	128	14-169	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	97	99	69-137	2
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	98	98	71-140	0
1,1-Dichloropropene	mg/kg (ppm)	0.05	97	98	69-138	1
Carbon tetrachloride	mg/kg (ppm)	0.05	96	98	76-140	2
Benzene	mg/kg (ppm)	0.05	98	100	67-138	2
Trichloroethene	mg/kg (ppm)	0.05	101	101	70-130	0
1,2-Dichloropropane	mg/kg (ppm)	0.05	104	105	64-143	1
Bromodichloromethane	mg/kg (ppm)	0.05	102	104	71-140	2
Dibromomethane	mg/kg (ppm)	0.05	102	104	70-130	2
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	115	120	31-183	4
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	107	50-162	2
Toluene	mg/kg (ppm)	0.05	95	96	12-185	1
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	109	67-144	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	102	107	70-130	5
2-Hexanone	mg/kg (ppm)	0.25	114	121	14-162	6
1,3-Dichloropropane	mg/kg (ppm)	0.05	101	106	23-189	5
Tetrachloroethene	mg/kg (ppm)	0.05	95	98	35-176	3
Dibromochloromethane	mg/kg (ppm)	0.05	101	104	57-161	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	102	109	70-130	7
Chlorobenzene	mg/kg (ppm)	0.05	97	99	70-130	2
Ethylbenzene	mg/kg (ppm)	0.05	97	100	70-130	3
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	95	99	70-130	4
m,p-Xylene	mg/kg (ppm)	0.1	98	100	70-130	2
o-Xylene	mg/kg (ppm)	0.05	97	101	70-130	4
Styrene	mg/kg (ppm)	0.05	102	105	70-130	3
Isopropylbenzene	mg/kg (ppm)	0.05	97	99	70-130	2
Bromoform	mg/kg (ppm)	0.05	104	111	70-130	7
n-Propylbenzene	mg/kg (ppm)	0.05	98	101	70-130	3
Bromobenzene	mg/kg (ppm)	0.05	97	102	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	96	100	34-175	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	100	107	54-149	7
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	104	110	70-130	6
2-Chlorotoluene	mg/kg (ppm)	0.05	96	100	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	96	99	70-130	3
tert-Butylbenzene	mg/kg (ppm)	0.05	98	101	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	95	98	70-130	3
sec-Butylbenzene	mg/kg (ppm)	0.05	97	100	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	97	100	70-130	3
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	98	101	70-130	3
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	95	100	70-130	5
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	94	97	70-130	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	102	110	68-124	8
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	108	109	66-129	1
Hexachlorobutadiene	mg/kg (ppm)	0.05	95	102	70-130	7
Naphthalene	mg/kg (ppm)	0.05	99	103	70-130	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	102	104	55-146	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/15/19

Project: Skanska NE8 180587, F&BI 905297

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

Laboratory Code: 905301-04(Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	6 vo	10-142
Chloromethane	mg/kg (ppm)	2.5	<0.5	23	10-126
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	26	10-138
Bromomethane	mg/kg (ppm)	2.5	<0.5	40	10-163
Chloroethane	mg/kg (ppm)	2.5	<0.5	39	10-176
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	35	10-176
Acetone	mg/kg (ppm)	12.5	<0.5	74	10-163
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	48	10-160
Hexane	mg/kg (ppm)	2.5	<0.25	30	10-137
Methylene chloride	mg/kg (ppm)	2.5	<0.5	64	10-156
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	70	21-145
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	63	14-137
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	65	19-140
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	70	10-158
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	70	25-135
Chloroform	mg/kg (ppm)	2.5	<0.05	71	21-145
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	81	19-147
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	68	12-160
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	70	10-156
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	66	17-140
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	67	9-164
Benzene	mg/kg (ppm)	2.5	<0.03	70	29-129
Trichloroethene	mg/kg (ppm)	2.5	<0.03	70	21-139
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	75	30-135
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	78	23-155
Dibromomethane	mg/kg (ppm)	2.5	<0.05	78	23-145
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	84	24-155
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	81	28-144
Toluene	mg/kg (ppm)	2.5	<0.05	72	35-130
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	83	26-149
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	79	10-205
2-Hexanone	mg/kg (ppm)	12.5	<0.5	81	15-166
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	76	31-137
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	70	20-133
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	81	28-150
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	75	28-142
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	75	32-129
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	75	32-137
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	82	31-143
m,p-Xylene	mg/kg (ppm)	5	<0.1	76	34-136
o-Xylene	mg/kg (ppm)	2.5	<0.05	75	33-134
Styrene	mg/kg (ppm)	2.5	<0.05	78	35-137
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	80	31-142
Bromoform	mg/kg (ppm)	2.5	<0.05	76	21-156
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	77	23-146
Bromobenzene	mg/kg (ppm)	2.5	<0.05	78	34-130
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	79	18-149
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	83	28-140
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	79	25-144
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	77	31-134
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	77	31-136
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	81	30-137
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	78	10-182
sec-Butylbenzene	mg/kg (ppm)	2.5	<0.05	81	23-145
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	80	21-149
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	78	30-131
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	74	29-129
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	77	31-132
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	79	11-161
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	75	22-142
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	81	10-142
Naphthalene	mg/kg (ppm)	2.5	<0.05	78	14-157
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	77	20-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/15/19

Project: Skanska NE8 180587, F&BI 905297

**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	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	58	57	10-146	2
Chloromethane	mg/kg (ppm)	2.5	70	68	27-133	3
Vinyl chloride	mg/kg (ppm)	2.5	84	78	22-139	7
Bromomethane	mg/kg (ppm)	2.5	74	78	38-114	5
Chloroethane	mg/kg (ppm)	2.5	84	82	10-163	2
Trichlorofluoromethane	mg/kg (ppm)	2.5	89	85	10-196	5
Acetone	mg/kg (ppm)	12.5	114	93	52-141	20
1,1-Dichloroethene	mg/kg (ppm)	2.5	92	87	47-128	6
Hexane	mg/kg (ppm)	2.5	89	87	43-142	2
Methylene chloride	mg/kg (ppm)	2.5	87	82	42-132	6
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	87	84	60-123	4
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	98	94	67-127	4
1,1-Dichloroethane	mg/kg (ppm)	2.5	92	87	68-115	6
2,2-Dichloropropane	mg/kg (ppm)	2.5	103	100	52-170	3
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	96	91	72-113	5
Chloroform	mg/kg (ppm)	2.5	94	89	66-120	5
2-Butanone (MEK)	mg/kg (ppm)	12.5	107	97	57-123	10
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	86	82	56-135	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	97	92	62-131	5
1,1-Dichloropropene	mg/kg (ppm)	2.5	95	91	69-128	4
Carbon tetrachloride	mg/kg (ppm)	2.5	98	93	60-139	5
Benzene	mg/kg (ppm)	2.5	93	89	68-114	4
Trichloroethene	mg/kg (ppm)	2.5	92	89	64-117	3
1,2-Dichloropropane	mg/kg (ppm)	2.5	95	91	72-127	4
Bromodichloromethane	mg/kg (ppm)	2.5	98	95	72-130	3
Dibromomethane	mg/kg (ppm)	2.5	97	93	70-120	4
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	99	97	45-145	2
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	104	99	75-136	5
Toluene	mg/kg (ppm)	2.5	92	88	66-126	4
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	107	102	72-132	5
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	93	91	75-113	2
2-Hexanone	mg/kg (ppm)	12.5	97	97	33-152	0
1,3-Dichloropropane	mg/kg (ppm)	2.5	92	90	72-130	2
Tetrachloroethene	mg/kg (ppm)	2.5	94	88	72-114	7
Dibromochloromethane	mg/kg (ppm)	2.5	105	99	74-125	6
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	92	90	74-132	2
Chlorobenzene	mg/kg (ppm)	2.5	92	89	76-111	3
Ethylbenzene	mg/kg (ppm)	2.5	92	90	64-123	2
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	103	95	69-135	8
m,p-Xylene	mg/kg (ppm)	5	95	92	78-122	3
o-Xylene	mg/kg (ppm)	2.5	94	89	77-124	5
Styrene	mg/kg (ppm)	2.5	96	93	74-126	3
Isopropylbenzene	mg/kg (ppm)	2.5	101	95	76-127	6
Bromoform	mg/kg (ppm)	2.5	103	93	56-132	10
n-Propylbenzene	mg/kg (ppm)	2.5	95	92	74-124	3
Bromobenzene	mg/kg (ppm)	2.5	95	92	72-122	3
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	98	94	76-126	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	101	98	56-143	3
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	93	90	61-137	3
2-Chlorotoluene	mg/kg (ppm)	2.5	95	92	74-121	3
4-Chlorotoluene	mg/kg (ppm)	2.5	94	92	75-122	2
tert-Butylbenzene	mg/kg (ppm)	2.5	100	94	73-130	6
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	96	93	76-125	3
sec-Butylbenzene	mg/kg (ppm)	2.5	99	95	71-130	4
p-Isopropyltoluene	mg/kg (ppm)	2.5	98	93	70-132	5
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	96	93	75-121	3
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	92	90	74-117	2
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	97	91	76-121	6
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	102	94	58-138	8
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	99	92	64-135	7
Hexachlorobutadiene	mg/kg (ppm)	2.5	103	93	50-153	10
Naphthalene	mg/kg (ppm)	2.5	102	94	63-140	8
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	99	92	63-138	7

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

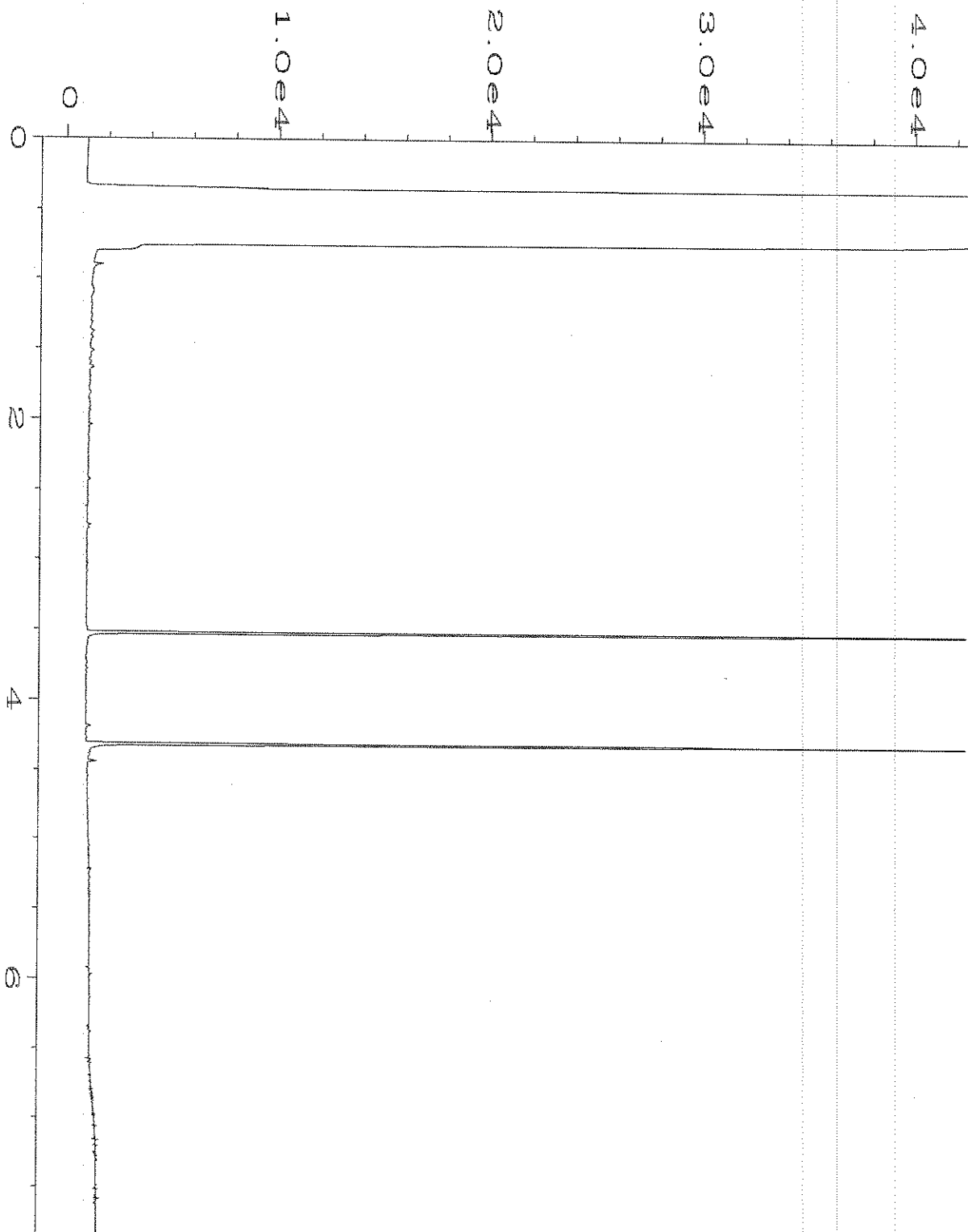
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

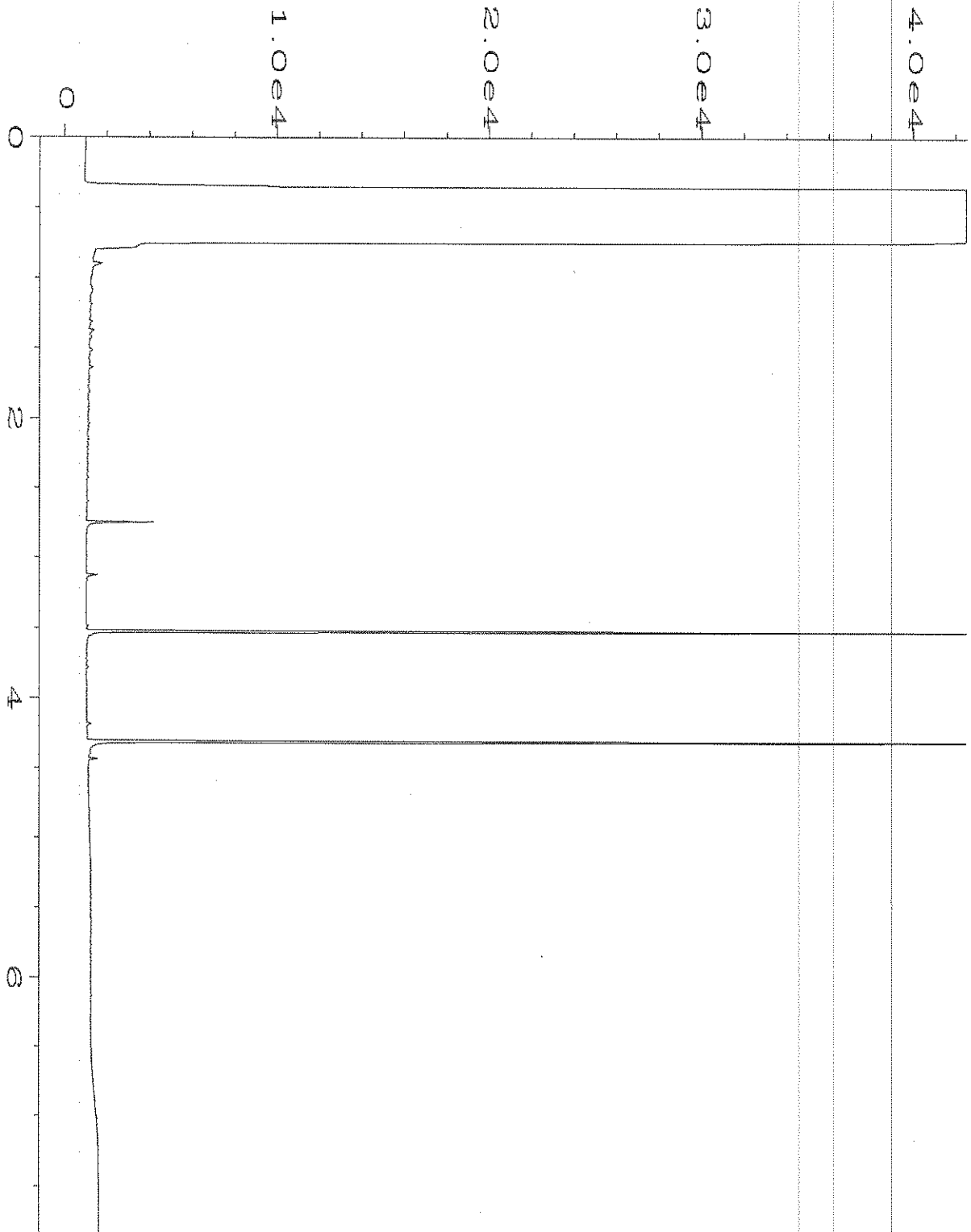
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

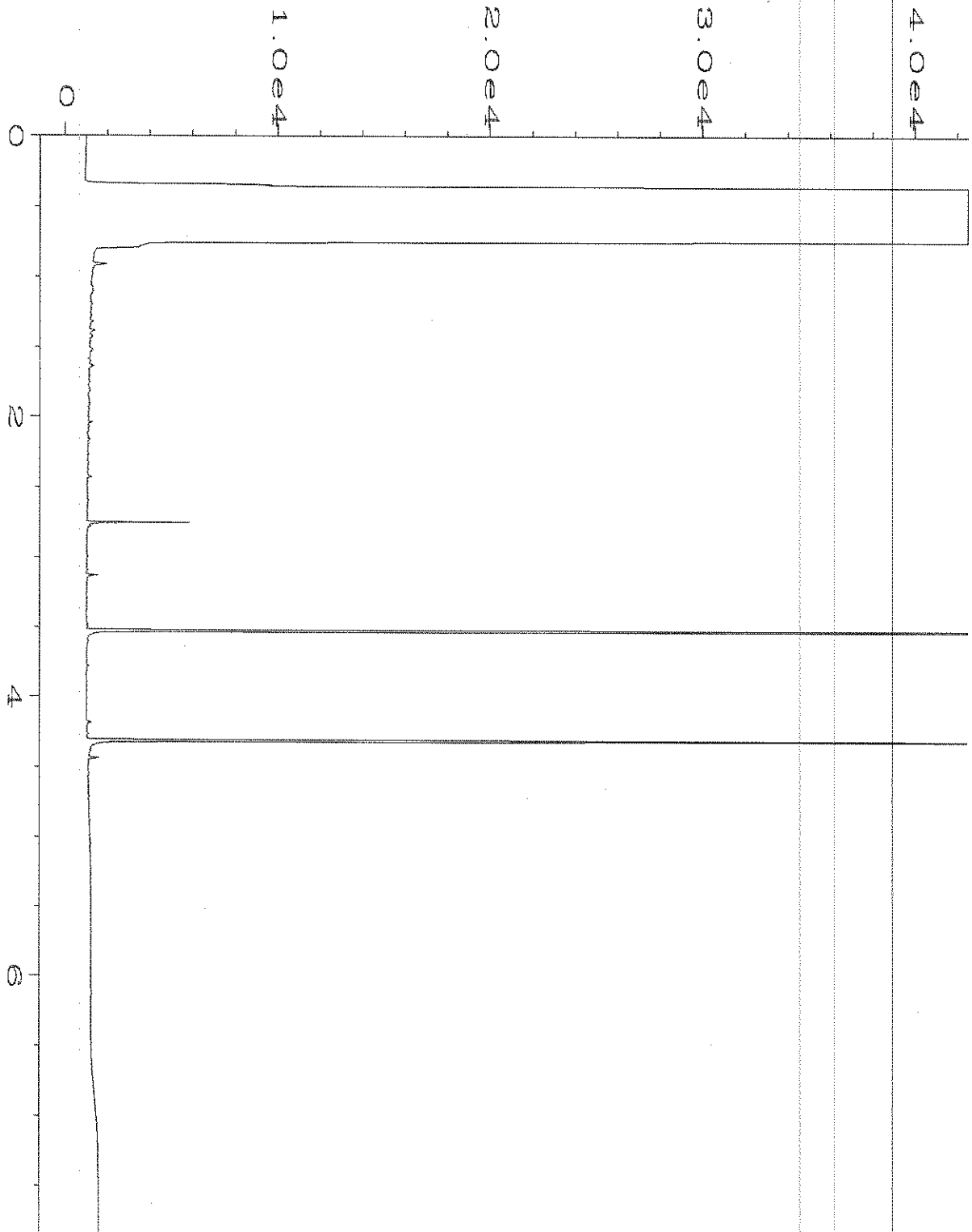
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



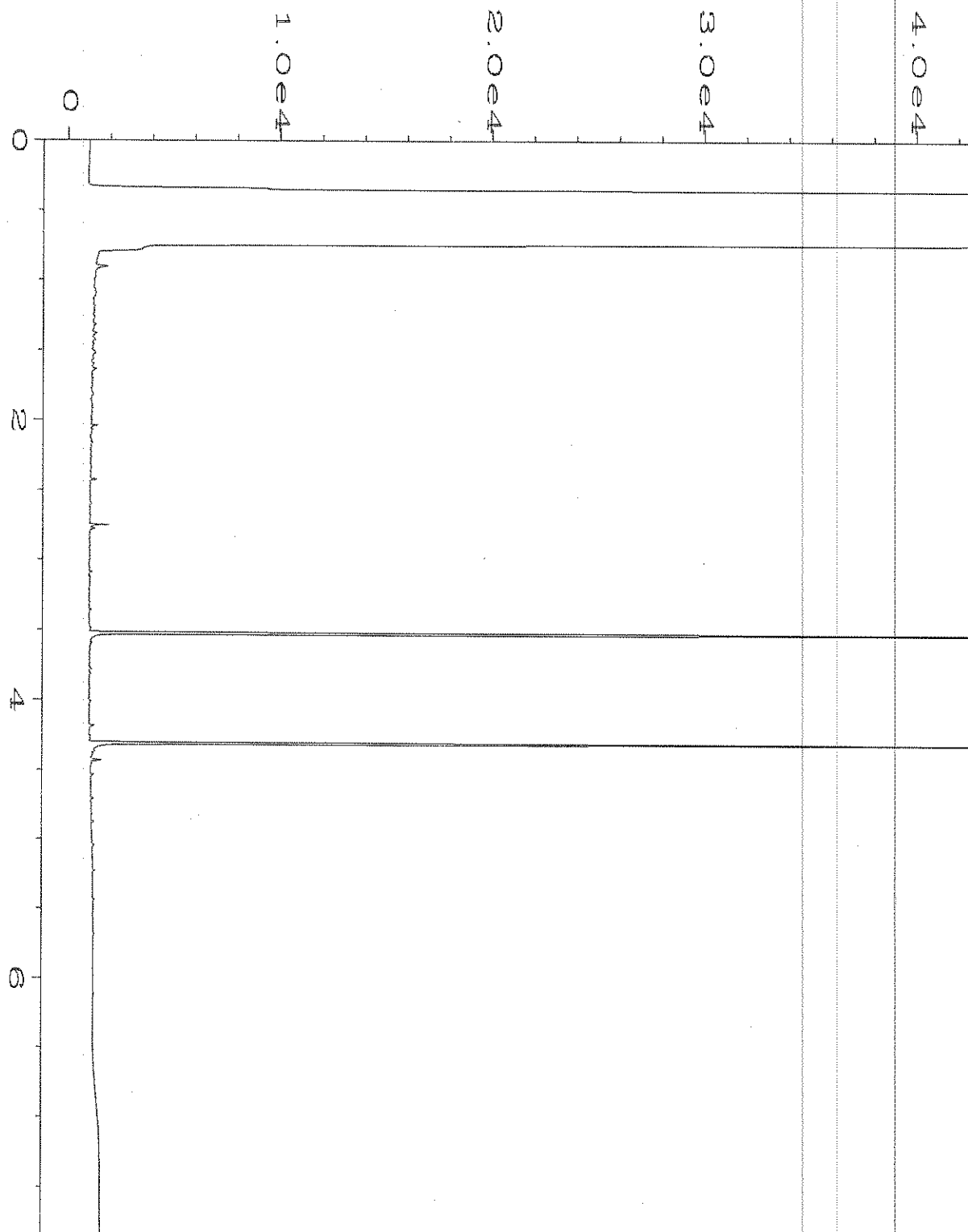
Data File Name	: C:\HPCHEM\4\DATA\05-17-19\029F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 29
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905297-03	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 04:07 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:41 AM		



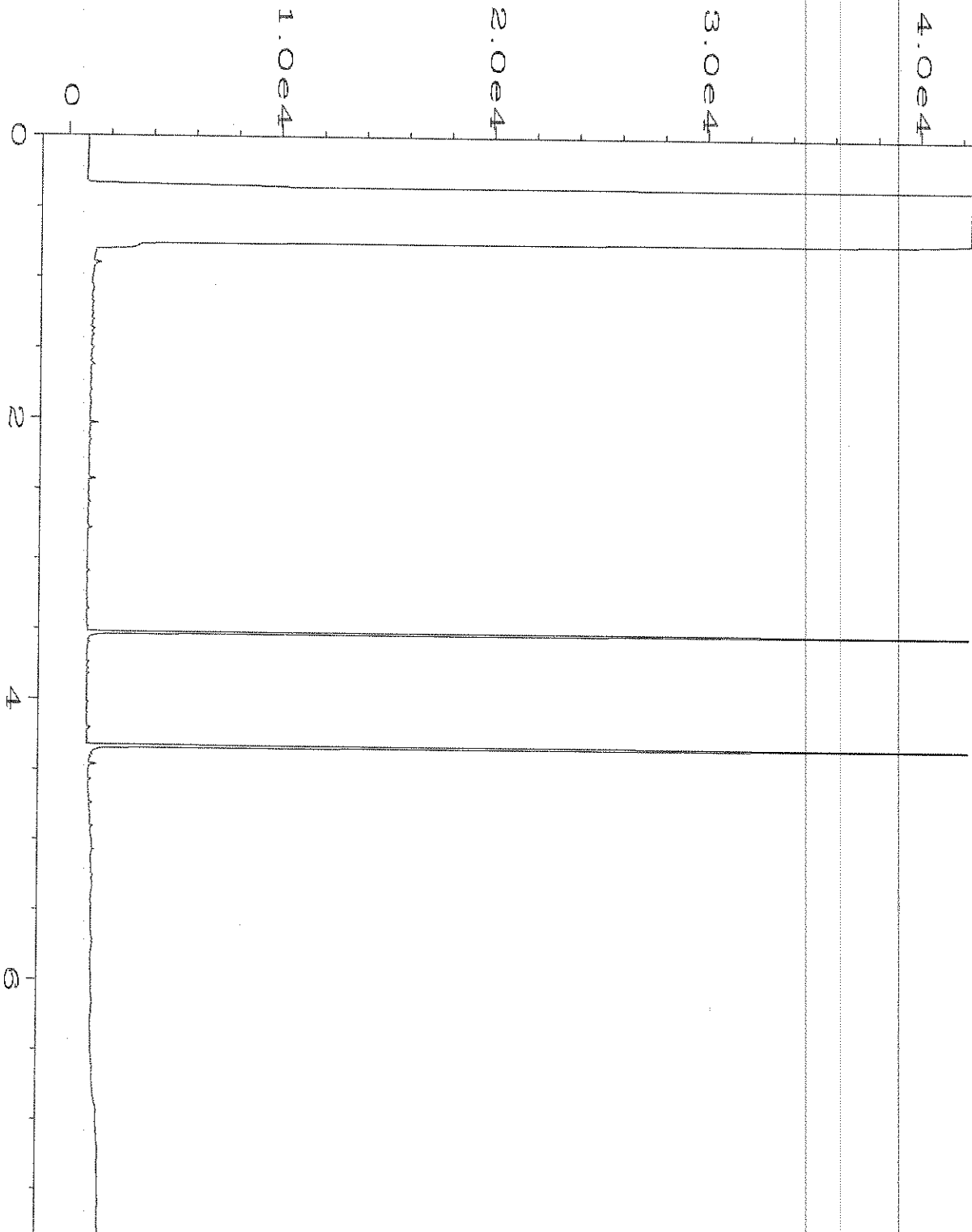
Data File Name	: C:\HPCHEM\4\DATA\05-17-19\030F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 30
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905297-08	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 04:19 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:41 AM		



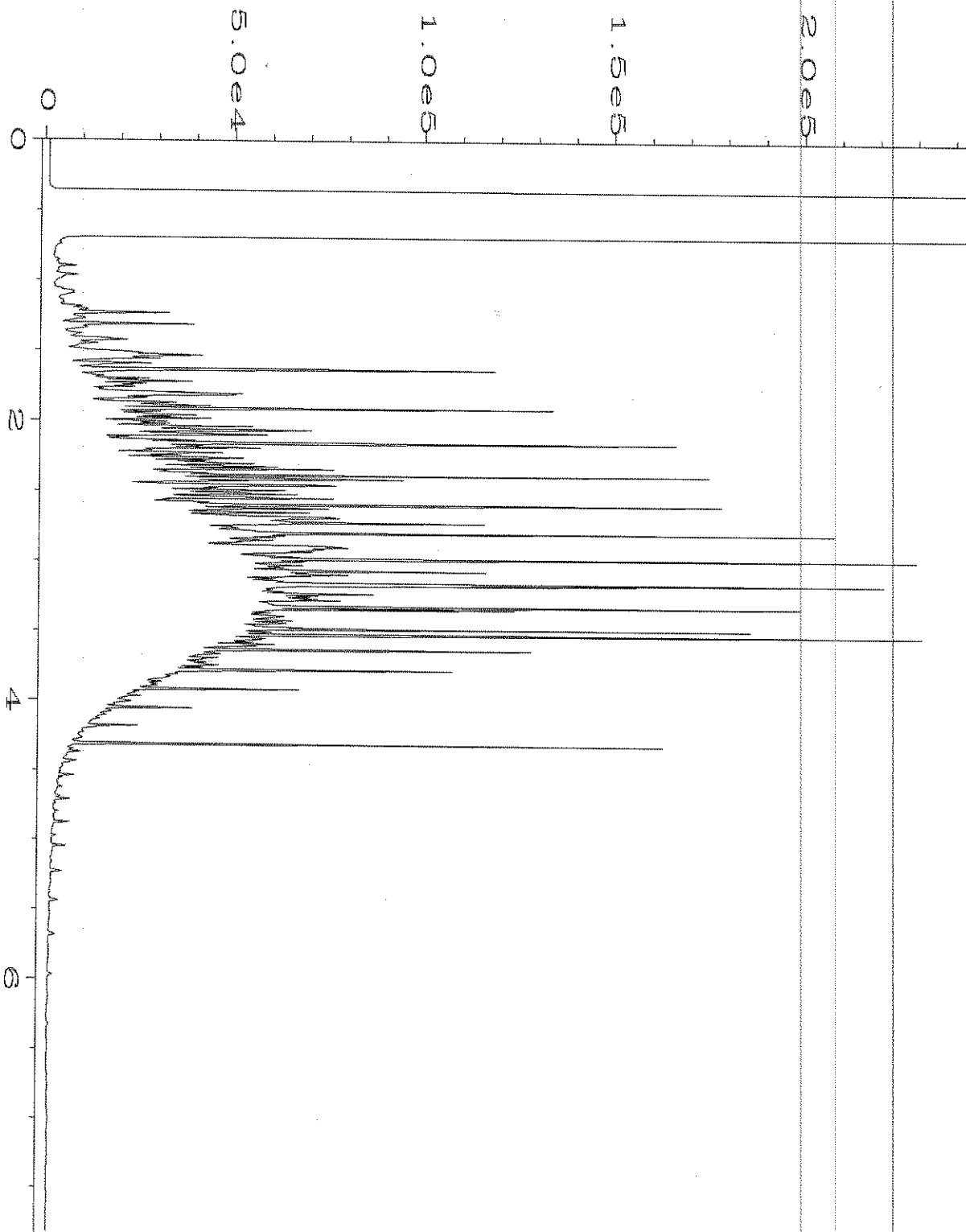
Data File Name	: C:\HPCHEM\4\DATA\05-17-19\031F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 31
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905297-17	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 04:32 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:41 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-17-19\032F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 32
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905297-21	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 04:44 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19* 07:41 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-17-19\024F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 24
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 09-1160 mb	Sequence Line	: 6
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 17 May 19 03:09 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:40 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-17-19\005F0901.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 1000 Dx 57-31B	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 08:56 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:44 AM		

905 509297

SAMPLE CHAIN OF CUSTODY

ME 05-15-19

Page # 1 of 3 D03

Report To: Jessica Smith & Ali Cochrane

Company: Aspect Consulting

Address: 716 2nd Ave Suite 550

City, State, ZIP: Seattle, WA 98104

Phone: _____ Email: _____

SAMPLERS (signature) Kay Beck

PROJECT NAME: Skanska NE8

PO #: 180587

REMARKS: Requested by the client for SIM
Please hold

INVOICE TO: Acccts payable

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes	
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		
AB-02-2.5	01A-E	5/14/19	0821	Soil	5									
AB-02-5.0	02		0829											
AB-02-7.5	03		0834			X	X		X					
AB-02-10.0	04		0843											
AB-02-15.0	05		0851											
AB-02-20.0	06		0859											
AB-02-25.0	07		0909											
AB-02-30.0	08		0916			X	X		X					
AB-02-35.0	09		0926											
AB-02-40.0	10		0935											

Friedman & Bryva, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
<u>Kay Beck</u>	<u>Kristin Beck</u>	<u>Aspect</u>	<u>5/15/19</u>	<u>06:30</u>
<u>[Signature]</u>	<u>[Name]</u>	<u>[Company]</u>		
Received by:				

405-587-2977

Report To: Jessica Smith & Ali Cochran

Company: Aspect Consulting

Address: _____

City, State, ZIP: _____

Phone: _____ Email: _____

SAMPLE CHAIN OF CUSTODY

M E 05-15-19

Page # 2 of 3 DCS/

SAMPLERS (signature)	<u>Kay Beck</u>
PROJECT NAME	<u>Skanska NEB</u>
PO #	<u>180587</u>
INVOICE TO	
REMARKS	<u>X = requested by the on 5/14/19</u> <u>Please note</u>

ANALYSES REQUESTED

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	CNOCs	RCRA 8	Notes
AB-02-45.0	11 A-G	5/14/19	0947	Soil	5										
AB-02-50.0	12		1016												
AB-02-55.0	13		1024												
AB-02-60.0	14		1040									X	X		
AB-01-2.5	15		1334												
AB-01-5.0	16		1348												
AB-01-7.5	17		1351				X	X				X			
AB-01-10.0	18		1401												
AB-01-15.0	19		1413										X		
AB-01-20.0	20		1422												

TURNAROUND TIME USA

Standard Turnaround RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days

Archive Samples

Other _____

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

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Kay Beck</u>	<u>Kristin Beck</u>	<u>Aspect</u>	<u>5.15.19</u>	<u>06:30</u>
Received by: <u>S. O'Brien</u>	<u>S. O'Brien</u>	<u>Aspect</u>	<u>5.15.19</u>	<u>06:30</u>
Relinquished by: _____	_____	_____	_____	_____
Received by: _____	_____	_____	_____	_____

985 584 277

SAMPLE CHAIN OF CUSTODY

WE 05-15-19

Page # 3 of 3 Doc# 152

Report To: Bessica Smith & Ali Cochran

Company: Aspect Consulting

Address: _____
City, State, ZIP: _____

Phone: _____ Email: _____

SAMPLERS (signature)	<u>Kot Beck</u>
PROJECT NAME	<u>Stenska NEP</u>
PO #	<u>180587</u>
INVOICE TO	
REMARKS	<u>X = verified by file on 5/15/19</u> <u>Please hold</u>

TURNAROUND TIME	Standard Turnaround <input checked="" type="checkbox"/> RUSH Rush charges authorized by: _____
SAMPLE DISPOSAL	<input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Archive Samples <input type="checkbox"/> Other

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes		
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		CVOCs	
AB-01-25.0	21 A-E	5/14/19	1434	soil	5		X	X	X						
AB-01-30.0	23	↓	1445	↓	↓										
AB-01-35.0	23	↓	1500	↓	↓										X

Retinquished by:	<u>Kot Beck</u>	PRINT NAME	<u>Kristin Beck</u>	COMPANY	<u>Aspect</u>	DATE	<u>5-15-19</u>	TIME	<u>06:30</u>
Received by:	<u>[Signature]</u>		<u>S. Blom</u>		<u>FBP Inc.</u>				
Retinquished by:									
Received by:					<u>Samples received at</u>				<u>pc</u>

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

May 24, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on May 16, 2019 from the Skanska NE8 180587, F&BI 905329 project. There are 15 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0524R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 16, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 905329 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
905329 -01	AB-01-40.0
905329 -02	AB-01-45.0
905329 -03	AB-01-50.0
905329 -04	AB-01-55.0
905329 -05	AB-01-60.0
905329 -06	AB-13-2.5
905329 -07	AB-13-5.0
905329 -08	AB-13-7.5
905329 -09	AB-13-10.0
905329 -10	AB-13-15.0
905329 -11	AB-13-20.0
905329 -12	AB-13-25.0
905329 -13	AB-13-30.0
905329 -14	AB-13-35.0
905329 -15	AB-13-40.0
905329 -16	AB-13-45.0

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19
Date Received: 05/16/19
Project: Skanska NE8 180587, F&BI 905329
Date Extracted: 05/16/19
Date Analyzed: 05/16/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 58-139)
AB-13-5.0 905329-07	<5	87
Method Blank 09-847 MB	<5	94

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19
Date Received: 05/16/19
Project: Skanska NE8 180587, F&BI 905329
Date Extracted: 05/17/19
Date Analyzed: 05/17/19

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AB-13-5.0 905329-07	<50	<250	81
Method Blank 09-1160 MB	<50	<250	80

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-01-50.0	Client:	Aspect Consulting, LLC
Date Received:	05/16/19	Project:	Skanska NE8 180587, F&BI 905329
Date Extracted:	05/22/19	Lab ID:	905329-03
Date Analyzed:	05/23/19	Data File:	052254.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID: AB-13-5.0	Client: Aspect Consulting, LLC
Date Received: 05/16/19	Project: Skanska NE8 180587, F&BI 905329
Date Extracted: 05/22/19	Lab ID: 905329-07
Date Analyzed: 05/23/19	Data File: 052255.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-13-40.0	Client:	Aspect Consulting, LLC
Date Received:	05/16/19	Project:	Skanska NE8 180587, F&BI 905329
Date Extracted:	05/22/19	Lab ID:	905329-15
Date Analyzed:	05/23/19	Data File:	052256.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	103	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587, F&BI 905329
Date Extracted:	05/22/19	Lab ID:	09-1138 mb
Date Analyzed:	05/22/19	Data File:	052213.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AB-13-5.0	Client:	Aspect Consulting, LLC
Date Received:	05/16/19	Project:	Skanska NE8 180587, F&BI 905329
Date Extracted:	05/22/19	Lab ID:	905329-07 1/5
Date Analyzed:	05/22/19	Data File:	052208.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	92	31	163
Benzo(a)anthracene-d12	94	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AB-13-40.0	Client:	Aspect Consulting, LLC
Date Received:	05/16/19	Project:	Skanska NE8 180587, F&BI 905329
Date Extracted:	05/22/19	Lab ID:	905329-15 1/5
Date Analyzed:	05/22/19	Data File:	052209.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	95	31	163
Benzo(a)anthracene-d12	96	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587, F&BI 905329
Date Extracted:	05/22/19	Lab ID:	09-1191 mb 1/5
Date Analyzed:	05/22/19	Data File:	052207.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	97	31	163
Benzo(a)anthracene-d12	96	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/16/19

Project: Skanska NE8 180587, F&BI 905329

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 905325-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	85	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/16/19

Project: Skanska NE8 180587, F&BI 905329

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

Laboratory Code: 905329-07 (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	84	86	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	96	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/16/19

Project: Skanska NE8 180587, F&BI 905329

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	105	98	58-153	7
Chloromethane	mg/kg (ppm)	0.05	100	99	49-158	1
Vinyl chloride	mg/kg (ppm)	0.05	98	97	55-155	1
Bromomethane	mg/kg (ppm)	0.05	97	102	62-155	5
Chloroethane	mg/kg (ppm)	0.05	92	91	48-179	1
Trichlorofluoromethane	mg/kg (ppm)	0.05	96	96	52-161	0
Acetone	mg/kg (ppm)	0.25	109	110	48-156	1
1,1-Dichloroethene	mg/kg (ppm)	0.05	98	99	63-144	1
Hexane	mg/kg (ppm)	0.05	90	89	70-130	1
Methylene chloride	mg/kg (ppm)	0.05	74	78	26-164	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	94	96	49-148	2
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	99	100	70-130	1
1,1-Dichloroethane	mg/kg (ppm)	0.05	98	99	70-130	1
2,2-Dichloropropane	mg/kg (ppm)	0.05	91	91	70-130	0
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	98	100	70-130	2
Chloroform	mg/kg (ppm)	0.05	98	99	70-130	1
2-Butanone (MEK)	mg/kg (ppm)	0.25	124	128	14-169	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	97	99	69-137	2
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	98	98	71-140	0
1,1-Dichloropropene	mg/kg (ppm)	0.05	97	98	69-138	1
Carbon tetrachloride	mg/kg (ppm)	0.05	96	98	76-140	2
Benzene	mg/kg (ppm)	0.05	98	100	67-138	2
Trichloroethene	mg/kg (ppm)	0.05	101	101	70-130	0
1,2-Dichloropropane	mg/kg (ppm)	0.05	104	105	64-143	1
Bromodichloromethane	mg/kg (ppm)	0.05	102	104	71-140	2
Dibromomethane	mg/kg (ppm)	0.05	102	104	70-130	2
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	115	120	31-183	4
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	107	50-162	2
Toluene	mg/kg (ppm)	0.05	95	96	12-185	1
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	109	67-144	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	102	107	70-130	5
2-Hexanone	mg/kg (ppm)	0.25	114	121	14-162	6
1,3-Dichloropropane	mg/kg (ppm)	0.05	101	106	23-189	5
Tetrachloroethene	mg/kg (ppm)	0.05	95	98	35-176	3
Dibromochloromethane	mg/kg (ppm)	0.05	101	104	57-161	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	102	109	70-130	7
Chlorobenzene	mg/kg (ppm)	0.05	97	99	70-130	2
Ethylbenzene	mg/kg (ppm)	0.05	97	100	70-130	3
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	95	99	70-130	4
m,p-Xylene	mg/kg (ppm)	0.1	98	100	70-130	2
o-Xylene	mg/kg (ppm)	0.05	97	101	70-130	4
Styrene	mg/kg (ppm)	0.05	102	105	70-130	3
Isopropylbenzene	mg/kg (ppm)	0.05	97	99	70-130	2
Bromoform	mg/kg (ppm)	0.05	104	111	70-130	7
n-Propylbenzene	mg/kg (ppm)	0.05	98	101	70-130	3
Bromobenzene	mg/kg (ppm)	0.05	97	102	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	96	100	34-175	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	100	107	54-149	7
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	104	110	70-130	6
2-Chlorotoluene	mg/kg (ppm)	0.05	96	100	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	96	99	70-130	3
tert-Butylbenzene	mg/kg (ppm)	0.05	98	101	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	95	98	70-130	3
sec-Butylbenzene	mg/kg (ppm)	0.05	97	100	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	97	100	70-130	3
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	98	101	70-130	3
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	95	100	70-130	5
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	94	97	70-130	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	102	110	68-124	8
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	108	109	66-129	1
Hexachlorobutadiene	mg/kg (ppm)	0.05	95	102	70-130	7
Naphthalene	mg/kg (ppm)	0.05	99	103	70-130	4
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	102	104	55-146	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/24/19

Date Received: 05/16/19

Project: Skanska NE8 180587, F&BI 905329

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270D SIM**

Laboratory Code: 905385-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	76	44-129
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	86	52-121
Acenaphthene	mg/kg (ppm)	0.17	<0.01	82	51-123
Fluorene	mg/kg (ppm)	0.17	<0.01	90	37-137
Phenanthrene	mg/kg (ppm)	0.17	<0.01	81	34-141
Anthracene	mg/kg (ppm)	0.17	<0.01	86	32-124
Fluoranthene	mg/kg (ppm)	0.17	<0.01	89	16-160
Pyrene	mg/kg (ppm)	0.17	<0.01	106	10-180
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	90	23-144
Chrysene	mg/kg (ppm)	0.17	<0.01	85	32-149
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	85	23-176
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	88	42-139
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	88	21-163
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	64	23-170
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	64	31-146
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	52	37-133

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	84	85	58-121	1
Acenaphthylene	mg/kg (ppm)	0.17	95	93	54-121	2
Acenaphthene	mg/kg (ppm)	0.17	88	92	54-123	4
Fluorene	mg/kg (ppm)	0.17	98	99	56-127	1
Phenanthrene	mg/kg (ppm)	0.17	89	90	55-122	1
Anthracene	mg/kg (ppm)	0.17	90	92	50-120	2
Fluoranthene	mg/kg (ppm)	0.17	91	90	54-129	1
Pyrene	mg/kg (ppm)	0.17	99	102	53-127	3
Benz(a)anthracene	mg/kg (ppm)	0.17	96	98	51-115	2
Chrysene	mg/kg (ppm)	0.17	94	95	55-129	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	90	86	56-123	5
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	87	91	54-131	4
Benzo(a)pyrene	mg/kg (ppm)	0.17	91	90	51-118	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	100	104	49-148	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	98	103	50-141	5
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	94	98	52-131	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

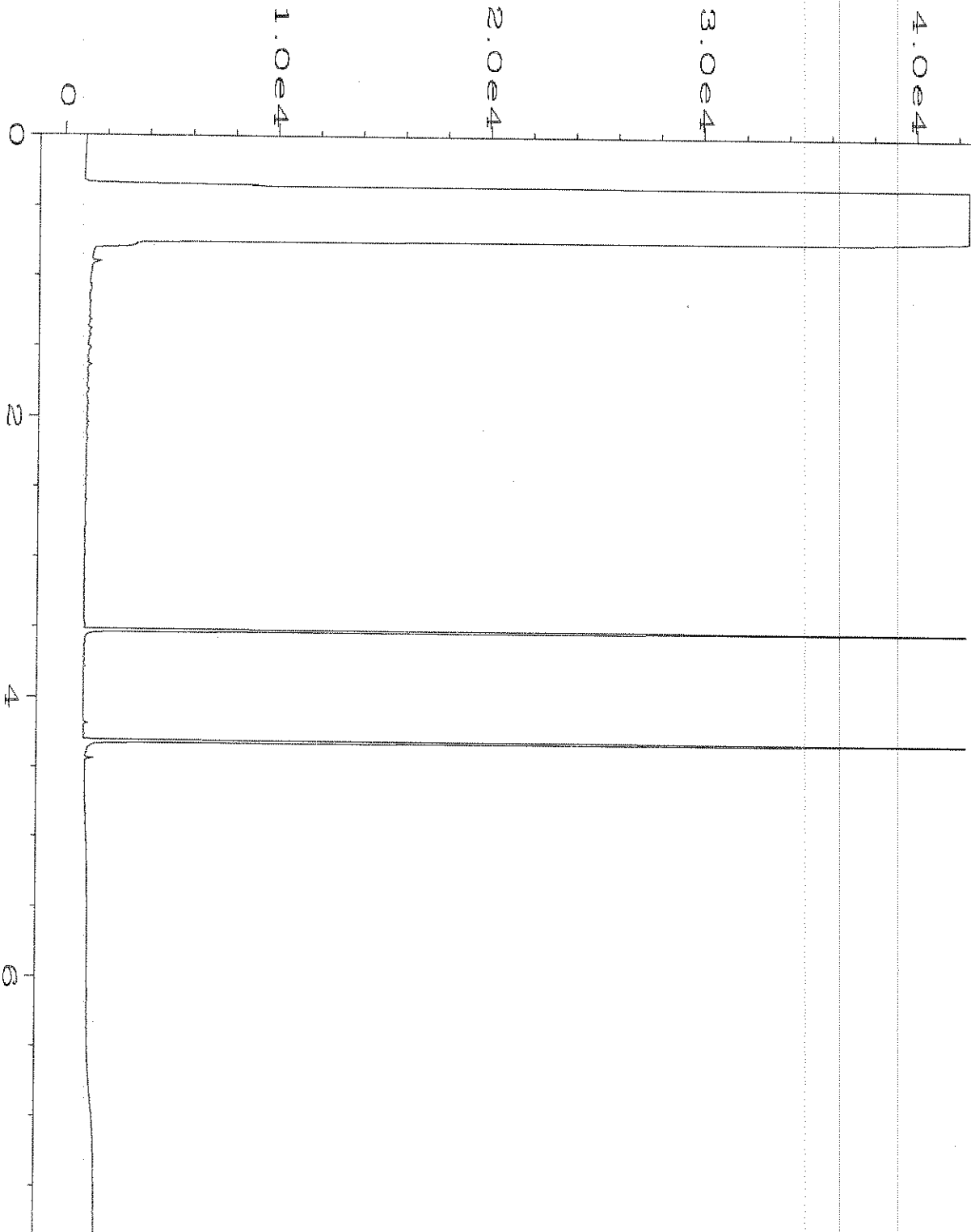
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

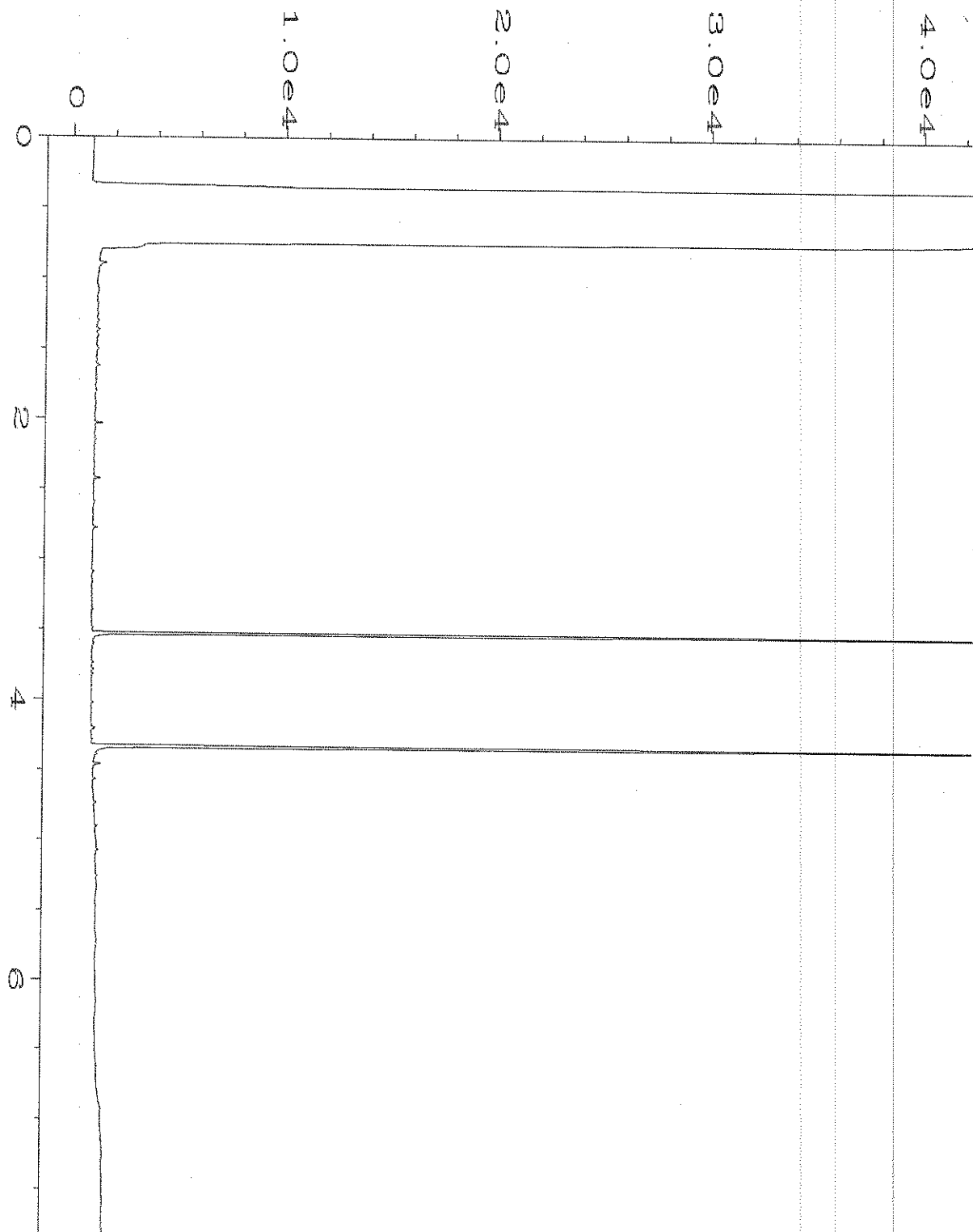
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

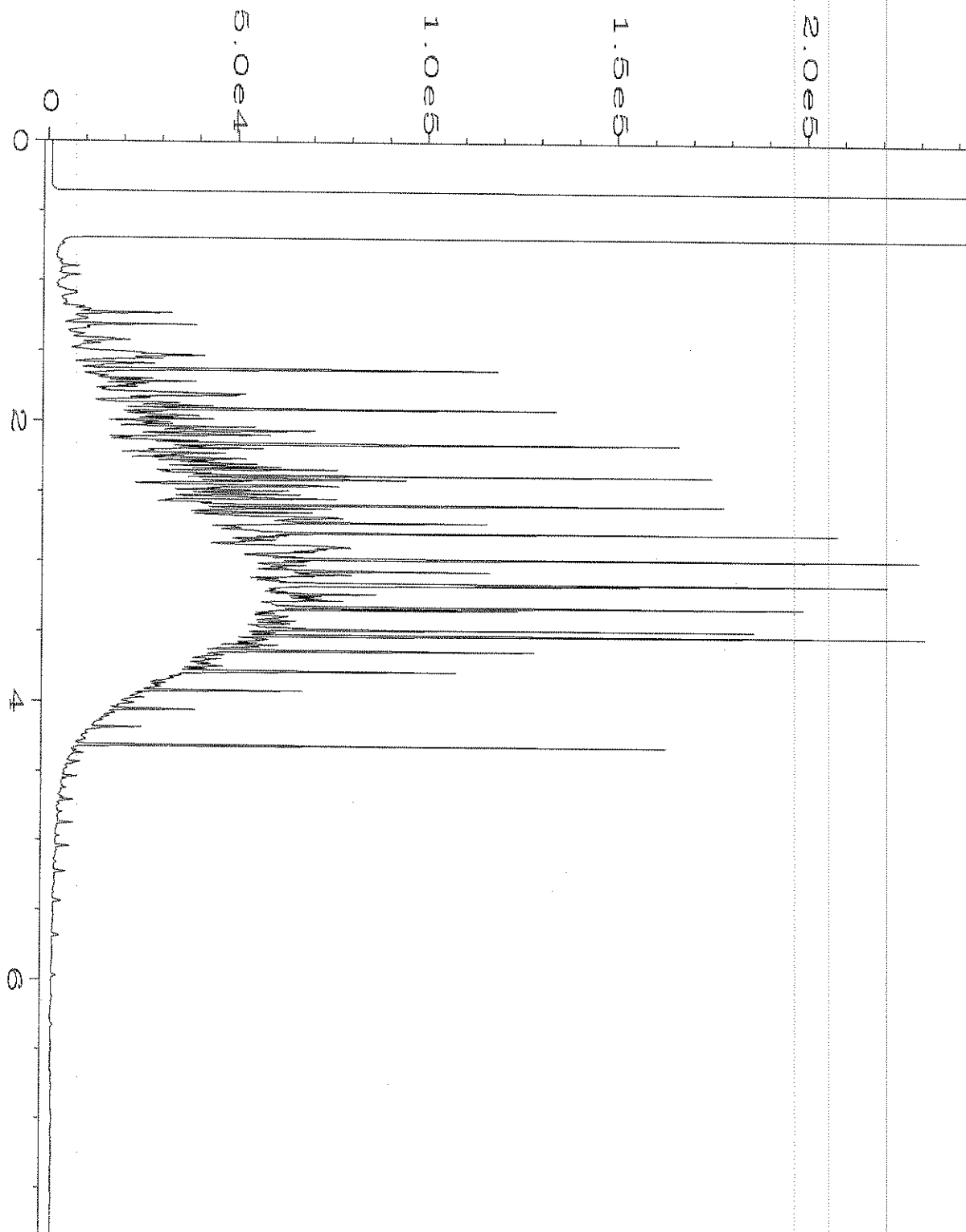
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\4\DATA\05-17-19\028F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 28
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 905329-07	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 03:55 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:41 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-17-19\024F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 24
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 09-1160 mb	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 03:09 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:40 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-17-19\005F0901.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 1000 Dx 57-31B	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 17 May 19 08:56 PM	Analysis Method	: DX.MTH
Report Created on:	20 May 19 07:44 AM		

905 234 (40) 905 329
 Report To: Jessica Smith & Ali Cochran

SAMPLE CHAIN OF CUSTODY
 ME 05-16-19 Page # 1 of 2 604
 WS4

Company: Aspect Consulting
 Address: 710 2nd Ave, Suite 550
 City, State, ZIP: Seattle, WA 98104
 Phone: _____ Email: _____

SAMPLERS (signature) *Kristin Beck*
 PROJECT NAME: Skanska NE8
 PO #: 180587
 REMARKS: InVOICE TO Accts Payable

TURNAROUND TIME
 Standard Turnaround
 RUSH
 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							Notes		
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	<u>C</u> VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		Full VOCs	
AB-01-40.0	01 AE	5/15/19	0830	soil	5									Hold	Ⓢ TPH-COC 5/16/19 MS
AB-01-45.0	02		0845											Hold	
AB-01-50.0	03		0925						X					Hold	
AB-01-55.0	04		0940											Hold	
AB-01-60.0	05		0950											Hold	
AB-13-2.5	06		1235											Hold	
AB-13-5.0	07		1240			X	X				X			Hold	Ⓢ ALL VOCs
AB-13-7.5	08		1245											Hold	
AB-13-10.0	09		1250											Hold	
AB-13-15.0	10		1255											Hold	

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

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
<i>Kristin Beck</i>		Kristin Beck		Aspect		5/16/19	0940
<i>William Pham</i>		William Pham		FEAT		5/16/19	0740
Received by: _____		Received by: _____		Samples received at _____		4	00

905 329

SAMPLE CHAIN OF CUSTODY

ME 05-16-19

Page # 2 of 2 E04
2/25/4

Report To Jessica Smith & Al Cochran

Company Aspect Consulting

Address _____
City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) <u>Kristin Beck</u>	PROJECT NAME
<u>Spanka NEB</u>	PO # <u>185877</u>
REMARKS	INVOICE TO <u>Aspect</u>
	<u>Payroll</u>

<input checked="" type="checkbox"/> Standard Turnaround <input type="checkbox"/> RUSH Rush charges authorized by: _____	ANALYSES REQUESTED <input type="checkbox"/> TPH-HCID <input type="checkbox"/> TPH-Diesel <input type="checkbox"/> TPH-Gasoline <input type="checkbox"/> BTEX by 8021B <input checked="" type="checkbox"/> CVOCs by 8260C <input type="checkbox"/> SVOCs by 8270D <input type="checkbox"/> PAHs 8270D SIM	SAMPLE DISPOSAL <input type="checkbox"/> Dispose after 30 days <input type="checkbox"/> Archive Samples <input type="checkbox"/> Other _____
---	---	---

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	CVOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM	Notes
AB-13-20.0	11 A-E	5/15/19	1300	soil	5								Hold
AB-13-25.0	12		1310										Hold
AB-13-30.0	13		1315										Hold
AB-13-35.0	14		1325										Hold
AB-13-40.0	15		1345						X		X		
AB-13-45.0	16		1432										Hold

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

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>Kristin Beck</u>		Kristin Beck		Aspect		5/16/19	0740
Received by: <u>Mham Pham</u>		Mham Pham		FBI		5/16/19	0740
Relinquished by:							
Received by:							

Samples received at 4:00

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 31, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on July 17, 2019 from the Skanska NE8 180587, F&BI 907269 project. There are 17 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0731R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 17, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 907269 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
907269 -01	AB-14-2.5
907269 -02	AB-14-5.0
907269 -03	AB-14-7.5
907269 -04	AB-14-10.0
907269 -05	AB-14-15.0
907269 -06	AB-14-20.0
907269 -07	AB-14-25.0
907269 -08	AB-14-30.0
907269 -09	AB-14-32.0
907269 -10	AB-14-39.0
907269 -11	AB-14-45.0
907269 -12	AB-14-50.0
907269 -13	AB-14-55.0
907269 -14	AB-14-60.0
907269 -15	AB-14-65.0
907269 -16	AB-14-70.0

The 8260C calibration standard failed the acceptance criteria for methylene chloride in sample AB-14-5.0 and the associated method blank. The data were flagged accordingly.

Methylene chloride did not pass the acceptance criteria in the 8260C laboratory control sample and laboratory control sample duplicate in batch 09-1689. The data were flagged accordingly.

Trichlorofluoromethane in the 8260C laboratory control sample and laboratory control sample duplicate exceeded the acceptance criteria. The analyte was not detected in the samples, therefore the data were acceptable.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19
Date Received: 07/17/19
Project: Skanska NE8 180587, F&BI 907269
Date Extracted: 07/19/19
Date Analyzed: 07/19/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 58-139)
AB-14-5.0 907269-02	<5	101
Method Blank 09-1718 MB2	<5	110

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19
Date Received: 07/17/19
Project: Skanska NE8 180587, F&BI 907269
Date Extracted: 07/18/19
Date Analyzed: 07/18/19

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 56-165)
AB-14-5.0 907269-02	<50	<250	97
Method Blank 09-1734 MB	<50	<250	100

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID: AB-14-5.0	Client: Aspect Consulting, LLC
Date Received: 07/17/19	Project: Skanska NE8 180587
Date Extracted: 07/22/19	Lab ID: 907269-02
Date Analyzed: 07/23/19	Data File: 072324.D
Matrix: Soil	Instrument: GCMS9
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-14-70.0	Client:	Aspect Consulting, LLC
Date Received:	07/17/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907269-16
Date Analyzed:	07/22/19	Data File:	072222.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	110	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/23/19	Lab ID:	09-1692 mb
Date Analyzed:	07/23/19	Data File:	072316.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	09-1689 mb
Date Analyzed:	07/22/19	Data File:	071906.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AB-14-5.0	Client:	Aspect Consulting, LLC
Date Received:	07/17/19	Project:	Skanska NE8 180587
Date Extracted:	07/18/19	Lab ID:	907269-02 1/5
Date Analyzed:	07/18/19	Data File:	071821.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	64	31	163
Benzo(a)anthracene-d12	73	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/18/19	Lab ID:	09-1728 mb3 1/5
Date Analyzed:	07/18/19	Data File:	071812.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	80	31	163
Benzo(a)anthracene-d12	88	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 907306-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	100	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

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

Laboratory Code: 907269-02 (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	92	63-146	2

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

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

Laboratory Code: 907322-15 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Hexane	mg/kg (ppm)	<0.025	<0.025	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,2-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Chloroform	mg/kg (ppm)	<0.005	<0.005	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Carbon tetrachloride	mg/kg (ppm)	<0.005	<0.005	nm
Benzene	mg/kg (ppm)	<0.003	<0.003	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Bromodichloromethane	mg/kg (ppm)	<0.005	<0.005	nm
Dibromomethane	mg/kg (ppm)	<0.005	<0.005	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Toluene	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2-Hexanone	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Dibromochloromethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.005	<0.005	nm
Chlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
Ethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
m,p-Xylene	mg/kg (ppm)	<0.01	<0.01	nm
o-Xylene	mg/kg (ppm)	<0.005	<0.005	nm
Styrene	mg/kg (ppm)	<0.005	<0.005	nm
Isopropylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromoform	mg/kg (ppm)	<0.005	<0.005	nm
n-Propylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
2-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
4-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
tert-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
sec-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.005	<0.005	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.025	<0.025	nm
Naphthalene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCS ^D	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	118	115	43-162	3
Chloromethane	mg/kg (ppm)	0.05	108	106	58-137	2
Vinyl chloride	mg/kg (ppm)	0.05	111	110	60-136	1
Bromomethane	mg/kg (ppm)	0.05	110	110	67-138	0
Chloroethane	mg/kg (ppm)	0.05	108	105	65-132	3
Trichlorofluoromethane	mg/kg (ppm)	0.05	109	108	66-133	1
Acetone	mg/kg (ppm)	0.25	117	104	64-132	12
1,1-Dichloroethene	mg/kg (ppm)	0.05	107	105	70-130	2
Hexane	mg/kg (ppm)	0.05	95	91	70-130	4
Methylene chloride	mg/kg (ppm)	0.05	20 vo	19 vo	52-150	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	104	107	70-130	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	108	106	70-130	2
1,1-Dichloroethane	mg/kg (ppm)	0.05	105	104	70-130	1
2,2-Dichloropropane	mg/kg (ppm)	0.05	113	111	70-130	2
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	107	105	70-130	2
Chloroform	mg/kg (ppm)	0.05	106	105	70-130	1
2-Butanone (MEK)	mg/kg (ppm)	0.25	114	107	70-130	6
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	103	101	70-130	2
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	110	108	70-130	2
1,1-Dichloropropene	mg/kg (ppm)	0.05	108	106	70-130	2
Carbon tetrachloride	mg/kg (ppm)	0.05	111	111	70-130	0
Benzene	mg/kg (ppm)	0.05	105	104	70-130	1
Trichloroethene	mg/kg (ppm)	0.05	108	104	70-130	4
1,2-Dichloropropane	mg/kg (ppm)	0.05	108	106	70-130	2
Bromodichloromethane	mg/kg (ppm)	0.05	107	106	70-130	1
Dibromomethane	mg/kg (ppm)	0.05	109	106	70-130	3
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	109	107	70-130	2
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	110	106	70-130	4
Toluene	mg/kg (ppm)	0.05	106	103	70-130	3
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	112	109	70-130	3
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	106	104	70-130	2
2-Hexanone	mg/kg (ppm)	0.25	110	102	19-174	8
1,3-Dichloropropane	mg/kg (ppm)	0.05	105	103	70-130	2
Tetrachloroethene	mg/kg (ppm)	0.05	110	108	70-130	2
Dibromochloromethane	mg/kg (ppm)	0.05	111	111	70-130	0
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	107	105	70-130	2
Chlorobenzene	mg/kg (ppm)	0.05	106	104	70-130	2
Ethylbenzene	mg/kg (ppm)	0.05	109	104	70-130	5
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	109	110	70-130	1
m,p-Xylene	mg/kg (ppm)	0.1	109	107	70-130	2
o-Xylene	mg/kg (ppm)	0.05	110	107	70-130	3
Styrene	mg/kg (ppm)	0.05	112	108	70-130	4
Isopropylbenzene	mg/kg (ppm)	0.05	112	110	70-130	2
Bromoform	mg/kg (ppm)	0.05	111	110	70-130	1
n-Propylbenzene	mg/kg (ppm)	0.05	109	107	70-130	2
Bromobenzene	mg/kg (ppm)	0.05	108	103	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	111	109	70-130	2
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	105	107	70-130	2
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	103	102	70-130	1
2-Chlorotoluene	mg/kg (ppm)	0.05	110	106	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	110	107	70-130	3
tert-Butylbenzene	mg/kg (ppm)	0.05	110	107	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	110	107	70-130	3
sec-Butylbenzene	mg/kg (ppm)	0.05	111	110	70-130	1
p-Isopropyltoluene	mg/kg (ppm)	0.05	113	111	70-130	2
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	112	109	70-130	3
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	112	107	70-130	5
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	110	108	70-130	2
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	112	116	70-130	4
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	130	127	46-143	2
Hexachlorobutadiene	mg/kg (ppm)	0.05	116	116	70-130	0
Naphthalene	mg/kg (ppm)	0.05	115	116	70-130	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	124	122	65-131	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

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

Laboratory Code: 907219-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Hexane	mg/kg (ppm)	<0.025	<0.025	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Chloroform	mg/kg (ppm)	<0.005	<0.005	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Carbon tetrachloride	mg/kg (ppm)	<0.005	<0.005	nm
Benzene	mg/kg (ppm)	<0.003	<0.003	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Bromodichloromethane	mg/kg (ppm)	<0.005	<0.005	nm
Dibromomethane	mg/kg (ppm)	<0.005	<0.005	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Toluene	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2-Hexanone	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Dibromochloromethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.005	<0.005	nm
Chlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
Ethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
m,p-Xylene	mg/kg (ppm)	<0.01	<0.01	nm
o-Xylene	mg/kg (ppm)	<0.005	<0.005	nm
Styrene	mg/kg (ppm)	<0.005	<0.005	nm
Isopropylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromoform	mg/kg (ppm)	<0.005	<0.005	nm
n-Propylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
2-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
4-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
tert-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
sec-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.005	<0.005	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.025	<0.025	nm
Naphthalene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	96	113	58-155	16
Chloromethane	mg/kg (ppm)	0.05	88	97	45-161	10
Vinyl chloride	mg/kg (ppm)	0.05	90	100	50-158	11
Bromomethane	mg/kg (ppm)	0.05	103	113	59-154	9
Chloroethane	mg/kg (ppm)	0.05	86	97	48-179	12
Trichlorofluoromethane	mg/kg (ppm)	0.05	86	98	52-161	13
Acetone	mg/kg (ppm)	0.25	192 vo	204 vo	48-156	6
1,1-Dichloroethene	mg/kg (ppm)	0.05	80	90	63-144	12
Hexane	mg/kg (ppm)	0.05	82	96	70-130	16
Methylene chloride	mg/kg (ppm)	0.05	82	95	17-179	15
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	93	96	49-148	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	80	88	70-130	10
1,1-Dichloroethane	mg/kg (ppm)	0.05	82	89	70-130	8
2,2-Dichloropropane	mg/kg (ppm)	0.05	84	92	70-130	9
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	90	95	70-130	5
Chloroform	mg/kg (ppm)	0.05	89	95	70-130	7
2-Butanone (MEK)	mg/kg (ppm)	0.25	146	153	14-169	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	92	97	69-137	5
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	83	90	71-140	8
1,1-Dichloropropene	mg/kg (ppm)	0.05	85	94	69-138	10
Carbon tetrachloride	mg/kg (ppm)	0.05	86	96	76-140	11
Benzene	mg/kg (ppm)	0.05	88	95	67-138	8
Trichloroethene	mg/kg (ppm)	0.05	89	98	70-130	10
1,2-Dichloropropane	mg/kg (ppm)	0.05	95	101	64-143	6
Bromodichloromethane	mg/kg (ppm)	0.05	96	100	71-140	4
Dibromomethane	mg/kg (ppm)	0.05	98	101	70-130	3
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	98	103	31-183	5
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	97	102	50-162	5
Toluene	mg/kg (ppm)	0.05	90	98	12-185	9
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	99	103	67-144	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	98	101	70-130	3
2-Hexanone	mg/kg (ppm)	0.25	123	128	14-162	4
1,3-Dichloropropane	mg/kg (ppm)	0.05	99	104	23-189	5
Tetrachloroethene	mg/kg (ppm)	0.05	87	95	35-176	9
Dibromochloromethane	mg/kg (ppm)	0.05	99	102	57-161	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	98	102	70-130	4
Chlorobenzene	mg/kg (ppm)	0.05	92	96	70-130	4
Ethylbenzene	mg/kg (ppm)	0.05	91	97	70-130	6
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	97	100	70-130	3
m,p-Xylene	mg/kg (ppm)	0.1	89	96	70-130	8
o-Xylene	mg/kg (ppm)	0.05	90	95	70-130	5
Styrene	mg/kg (ppm)	0.05	92	96	70-130	4
Isopropylbenzene	mg/kg (ppm)	0.05	92	98	70-130	6
Bromoform	mg/kg (ppm)	0.05	98	101	70-130	3
n-Propylbenzene	mg/kg (ppm)	0.05	92	100	70-130	8
Bromobenzene	mg/kg (ppm)	0.05	93	99	70-130	6
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	91	98	34-175	7
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	94	100	54-149	6
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	95	100	70-130	5
2-Chlorotoluene	mg/kg (ppm)	0.05	89	96	70-130	8
4-Chlorotoluene	mg/kg (ppm)	0.05	91	98	70-130	7
tert-Butylbenzene	mg/kg (ppm)	0.05	96	102	70-130	6
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	92	99	70-130	7
sec-Butylbenzene	mg/kg (ppm)	0.05	94	102	70-130	8
p-Isopropyltoluene	mg/kg (ppm)	0.05	92	99	70-130	7
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	90	95	70-130	5
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	91	97	70-130	6
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	92	96	70-130	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	93	98	68-124	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	92	96	59-135	4
Hexachlorobutadiene	mg/kg (ppm)	0.05	88	92	70-130	4
Naphthalene	mg/kg (ppm)	0.05	89	91	70-130	2
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	89	90	55-146	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/31/19

Date Received: 07/17/19

Project: Skanska NE8 180587, F&BI 907269

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270D SIM**

Laboratory Code: 907263-02 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	77	44-129
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	80	52-121
Acenaphthene	mg/kg (ppm)	0.17	<0.01	79	51-123
Fluorene	mg/kg (ppm)	0.17	<0.01	79	37-137
Phenanthrene	mg/kg (ppm)	0.17	<0.01	79	34-141
Anthracene	mg/kg (ppm)	0.17	<0.01	75	32-124
Fluoranthene	mg/kg (ppm)	0.17	<0.01	78	16-160
Pyrene	mg/kg (ppm)	0.17	<0.01	81	10-180
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	81	23-144
Chrysene	mg/kg (ppm)	0.17	<0.01	79	32-149
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	72	23-176
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	73	42-139
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	71	21-163
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	68	23-170
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	72	31-146
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	66	37-133

Laboratory Code: Laboratory Control Sample 1/5

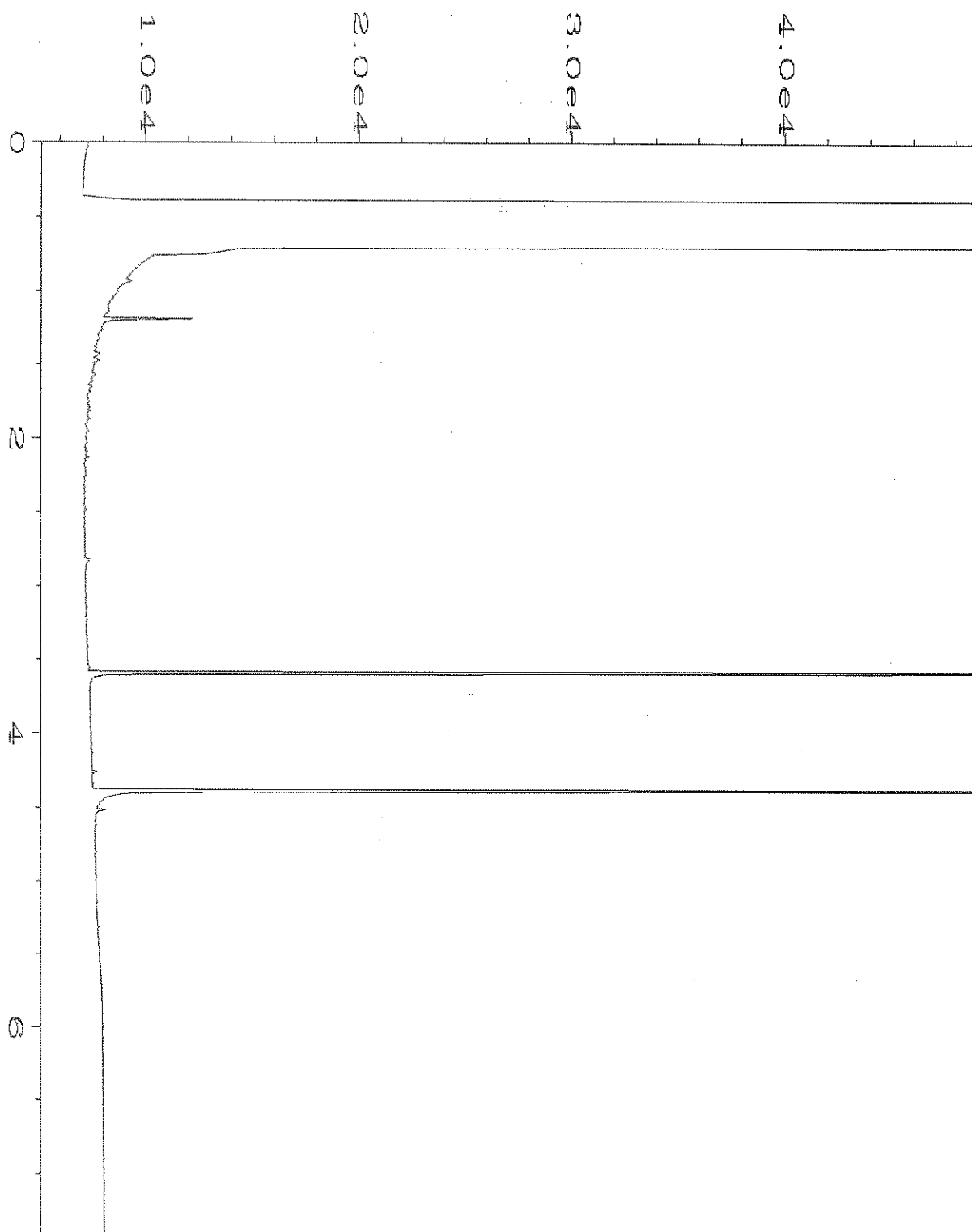
Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	83	85	58-121	2
Acenaphthylene	mg/kg (ppm)	0.17	87	89	54-121	2
Acenaphthene	mg/kg (ppm)	0.17	86	89	54-123	3
Fluorene	mg/kg (ppm)	0.17	87	90	56-127	3
Phenanthrene	mg/kg (ppm)	0.17	87	89	55-122	2
Anthracene	mg/kg (ppm)	0.17	82	85	50-120	4
Fluoranthene	mg/kg (ppm)	0.17	85	88	54-129	3
Pyrene	mg/kg (ppm)	0.17	91	89	53-127	2
Benz(a)anthracene	mg/kg (ppm)	0.17	91	92	51-115	1
Chrysene	mg/kg (ppm)	0.17	89	89	55-129	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	81	82	56-123	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	85	86	54-131	1
Benzo(a)pyrene	mg/kg (ppm)	0.17	80	81	51-118	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	83	85	49-148	2
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	88	91	50-141	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	83	85	52-131	2

FRIEDMAN & BRUYA, INC.

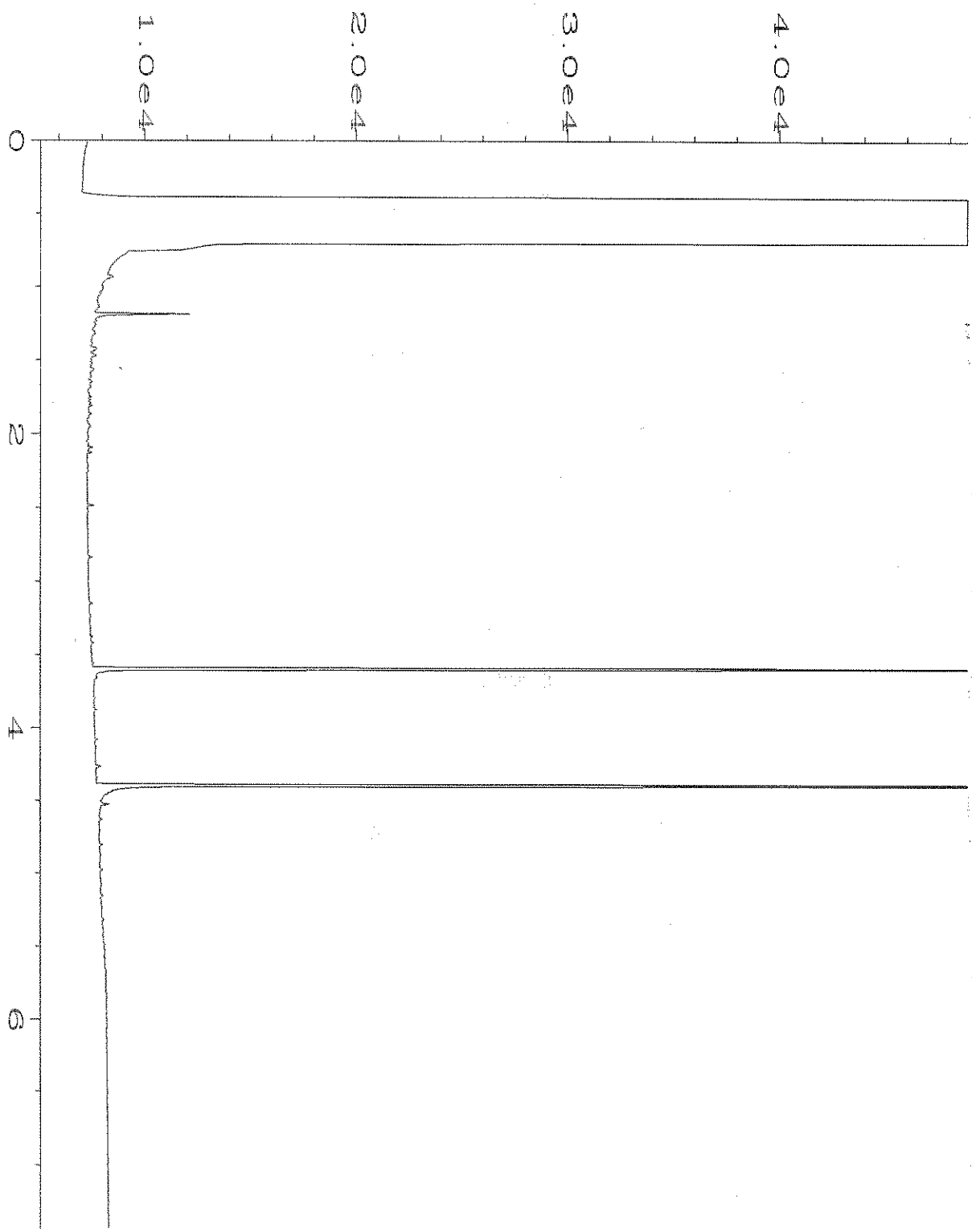
ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

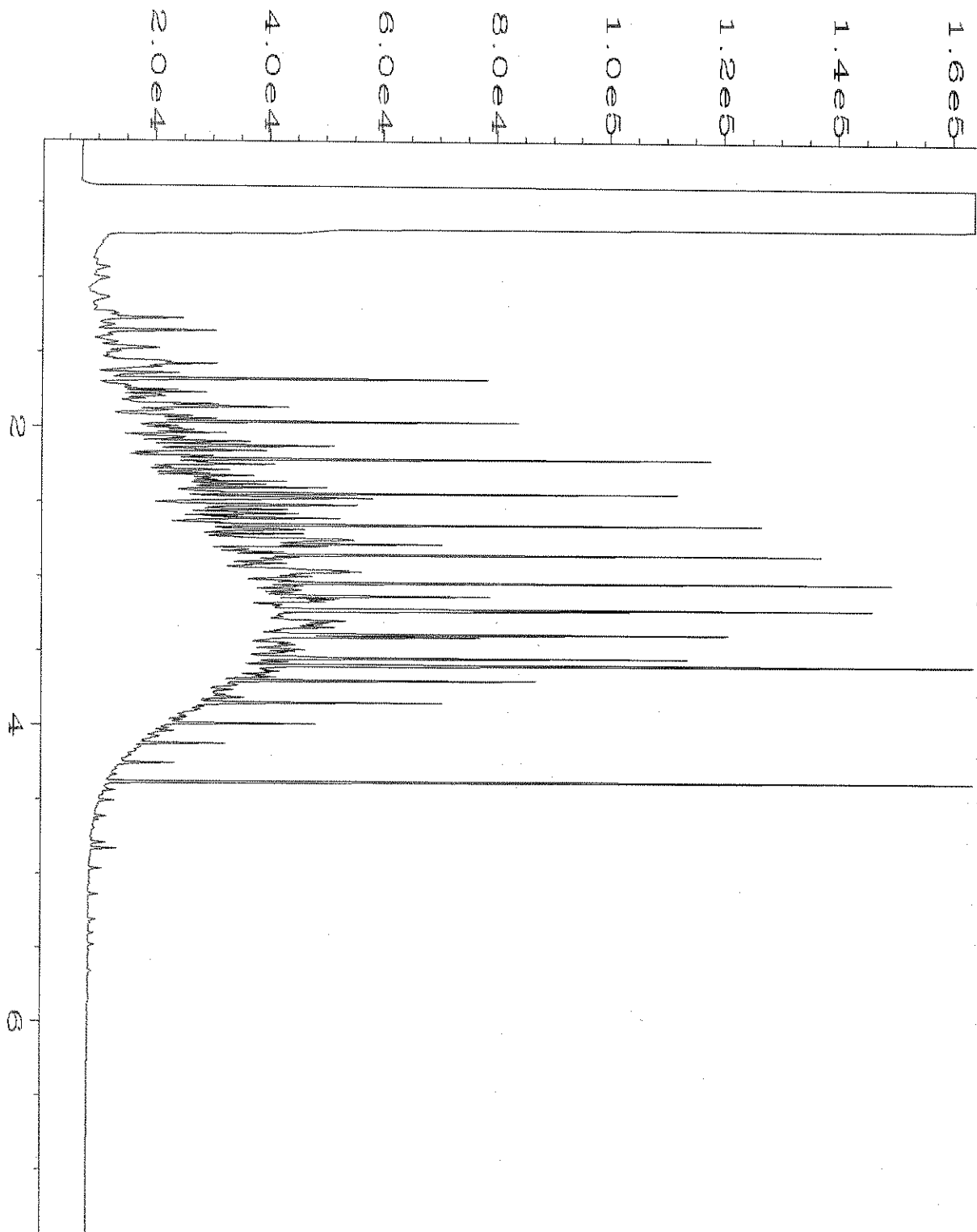
- a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.
- b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.
- ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.
- c - The presence of the analyte may be due to carryover from previous sample injections.
- cf - The sample was centrifuged prior to analysis.
- d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.
- dv - Insufficient sample volume was available to achieve normal reporting limits.
- f - The sample was laboratory filtered prior to analysis.
- fb - The analyte was detected in the method blank.
- fc - The analyte 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 due to sample matrix effects.
- 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.



Data File Name	: C:\HPCHEM\1\DATA\07-18-19\010F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 10
Instrument	: GC1	Injection Number	: 1
Sample Name	: 907269-02	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 18 Jul 19 08:44 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	19 Jul 19 10:28 AM		



Data File Name	: C:\HPCHEM\1\DATA\07-18-19\006F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 6
Instrument	: GC1	Injection Number	: 1
Sample Name	: 09-1734 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 18 Jul 19 08:00 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	19 Jul 19 10:28 AM		



Data File Name	: C:\HPCHEM\1\DATA\07-18-19\003F0201.D	Page Number	: 1
Operator	: TL	Vial Number	: 3
Instrument	: GC1	Injection Number	: 1
Sample Name	: 500 Dx 57-78E	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 18 Jul 19 06:51 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	19 Jul 19 10:28 AM		

907 269

SAMPLE CHAIN OF CUSTODY ME 07-17-19

Page # 105 of 215

Report To Jessica Smith & Ari Colman

Company Aspect Consulting

Address 210 2nd Ave Suite 550

City, State, ZIP Seattle, WA 9804

Phone _____ Email _____

SAMPLERS (signature) K.A. Beck

PROJECT NAME

Skanska NES

PO #

180587

REMARKS

Please hold

INVOICE TO

Accts Payable

TURNAROUND TIME

Standard Turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days

Archive Samples

Other _____

ANALYSES REQUESTED

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
AB-14-2.5	01A-E	7/16/19	0911	Soil	5								X-pe AC 7/17/19
AB-14-5.0	02		0914		1		X	X		X			
AB-14-7.5	03		0916		1								ME
AB-14-10.0	04		0920		1								
AB-14-15.0	05		1001		1								
AB-14-20.0	06		1006		1								
AB-14-25.0	07		1055		1								
AB-14-30.0	08		1100		1								
AB-14- 32.0 32.0	09		1150		1								
AB-14- 35.0 39.0	10		1152		1								

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: K.A. Beck

Received by: Tommy Bryas

Kristin Beck

Tommy Bryas

Aspect

F&B

7/17/19

7/17

5710

7:00

Received by: _____

Samples received at 23°C

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

907 269

SAMPLE CHAIN OF CUSTODY

HE 07-17-19

Page # 2 of 2

Report To ~~Jessica Smith & Ali Colvane~~

Company Aspect Consulting

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) Kath Beck

PROJECT NAME Skanska NE8

PO # 185587

REMARKS Please hold

INVOICE TO

TURNAROUND TIME

Standard Turnaround
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
 Dispose after 30 days
 Archive Samples
 Other

ANALYSES REQUESTED

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
AB-14-45.0	11A-E	7/16/19	1422	Soil	5								
AB-14-50.0	12-		1425		1								
AB-14-55.0	13		1535		1								
AB-14-60.0	14		1540		1								
AB-14-65.0	15		1765		1								
AB-14-70.0	16		1710		1							X	

SIGNATURE

Relinquished by: Kath Beck

PRINT NAME

Kath Beck

COMPANY

Aspect

DATE

7/19/19

TIME

5:10

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Received by: Kristin Beck

Kristin Beck

Aspect

7/17

2:00

Relinquished by: Sammy Blyes

Sammy Blyes

Aspect

7/17

2:00

Received by:

Sammy Blyes

Aspect

7/17

2:00

Samples received at 2:00

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 2, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on July 19, 2019 from the Skanska NE8 180587, F&BI 907322 project. There are 34 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0802R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 19, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 907322 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
907322 -01	AB-11-2.0
907322 -02	AB-11-5.0
907322 -03	AB-11-7.0
907322 -04	AB-11-11.0
907322 -05	AB-11-15.0
907322 -06	AB-11-20.0
907322 -07	AB-11-25.0
907322 -08	AB-11-30.0
907322 -09	AB-11-35.0
907322 -10	AB-12-2.0
907322 -11	AB-12-5.0
907322 -12	AB-12-7.5
907322 -13	AB-12-10.0
907322 -14	AB-12-15.0
907322 -15	AB-12-20.0
907322 -16	AB-12-23.0
907322 -17	AB-12-30.0
907322 -18	AB-12-35.0
907322 -19	AB-10-2.0
907322 -20	AB-10-5.0
907322 -21	AB-10-7.5
907322 -22	AB-10-10.0
907322 -23	AB-10-15.0
907322 -24	AB-10-20.0
907322 -25	AB-10-25.0
907322 -26	AB-10-30.0
907322 -27	AB-10-33.0
907322 -28	AB-10-40.0
907322 -29	AB-10-45.0
907322 -30	AB-10-50.0
907322 -31	AB-10-55.0
907322 -32	AB-10-60.0
907322 -33	AB-10-62.0
907322 -34	AMW-2-2.0
907322 -35	AMW-2-5.0
907322 -36	AMW-2-8.0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE (continued)

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
907322 -37	AMW-2-15.0
907322 -38	AMW-2-20.0
907322 -39	AMW-2-25.0
907322 -40	AMW-2-30.0

The 8260C calibration standard failed the acceptance criteria for methylene chloride. In addition, the laboratory control sample failed the acceptance criteria for methylene chloride for one of the quality assurance batches. The data were flagged accordingly.

Methylene chloride was detected in the 8260C analysis of several samples. The data were flagged as due to laboratory contamination.

An 8270D internal standard failed the acceptance criteria for sample AB-12-2.0. The sample was diluted and reanalyzed with the same results. Both data sets were reported.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19
Date Received: 07/19/19
Project: Skanska NE8 180587, F&BI 907322
Date Extracted: 07/19/19 and 07/24/19
Date Analyzed: 07/19/19 and 07/25/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 58-139)
AB-11-7.0 907322-03	<5	101
AB-12-2.0 907322-10	43	105
AB-12-15.0 907322-14	<5	101
AB-12-20.0 907322-15	<5	101
AB-10-25.0 907322-25	<5	104
AB-10-33.0 907322-27	13	106
AB-10-45.0 907322-29	<5	107
AMW-2-20.0 907322-38	<5	104
Method Blank 09-1720 MB	<5	106
Method Blank 09-1763 MB	<5	88

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19
Date Received: 07/19/19
Project: Skanska NE8 180587, F&BI 907322
Date Extracted: 07/24/19
Date Analyzed: 07/25/19

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-132)
AB-10-15.0 907322-23	<0.02	<0.02	<0.02	<0.06	<5	99
Method Blank 09-1763 MB	<0.02	<0.02	<0.02	<0.06	<5	75

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19
 Date Received: 07/19/19
 Project: Skanska NE8 180587, F&BI 907322
 Date Extracted: 07/19/19 and 07/24/19
 Date Analyzed: 07/19/19 and 07/24/19

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AB-11-7.0 907322-03	<50	<250	104
AB-12-2.0 907322-10	610	1,800	97
AB-12-15.0 907322-14	<50	<250	92
AB-12-20.0 907322-15	<50	<250	90
AB-10-15.0 907322-23	<50	<250	90
AB-10-25.0 907322-25	3,500	<250	89
AB-10-33.0 907322-27	78	<250	87
AB-10-45.0 907322-29	<50	<250	86
AMW-2-20.0 907322-38	<50	<250	91
Method Blank 09-1744 MB	<50	<250	89
Method Blank 09-1773 MB	<50	<250	82

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID: AB-11-7.0	Client: Aspect Consulting, LLC
Date Received: 07/19/19	Project: Skanska NE8 180587
Date Extracted: 07/22/19	Lab ID: 907322-03
Date Analyzed: 07/22/19	Data File: 072211.D
Matrix: Soil	Instrument: GCMS9
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	50	150
Toluene-d8	96	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-12-2.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-10
Date Analyzed:	07/22/19	Data File:	072212.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	108	50	150
Toluene-d8	88	50	150
4-Bromofluorobenzene	123	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	0.0064
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	0.0090
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	0.0068
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-12-15.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-14
Date Analyzed:	07/23/19	Data File:	072319.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	110	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 jl ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-12-20.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/23/19	Lab ID:	907322-15
Date Analyzed:	07/23/19	Data File:	072328.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	94	50	150
4-Bromofluorobenzene	122	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 ca jl	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID: AB-10-25.0	Client: Aspect Consulting, LLC
Date Received: 07/19/19	Project: Skanska NE8 180587
Date Extracted: 07/22/19	Lab ID: 907322-25
Date Analyzed: 07/23/19	Data File: 072321.D
Matrix: Soil	Instrument: GCMS9
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	116	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	0.020
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 jl ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	0.029
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	0.012
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	0.018
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	0.051
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	0.016
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-10-33.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-27
Date Analyzed:	07/23/19	Data File:	072322.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	93	50	150
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 jl ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	0.0085
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID: AB-10-45.0	Client: Aspect Consulting, LLC
Date Received: 07/19/19	Project: Skanska NE8 180587
Date Extracted: 07/22/19	Lab ID: 907322-29
Date Analyzed: 07/23/19	Data File: 072323.D
Matrix: Soil	Instrument: GCMS9
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	94	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 jl ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-10-62.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-33
Date Analyzed:	07/22/19	Data File:	072220.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.11 lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AMW-2-20.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	08/01/19	Lab ID:	907322-38
Date Analyzed:	08/01/19 13:30	Data File:	080115.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	0.055 lc jl ca	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	0.12 lc	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AMW-2-30.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-40
Date Analyzed:	07/25/19	Data File:	072516.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	50	150
Toluene-d8	94	50	150
4-Bromofluorobenzene	112 J	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05 ca
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	09-1689 mb
Date Analyzed:	07/22/19	Data File:	071906.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/23/19	Lab ID:	09-1692 mb
Date Analyzed:	07/23/19	Data File:	072316.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 jl ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/25/19	Lab ID:	09-1696 mb
Date Analyzed:	07/25/19	Data File:	072511.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	08/01/19	Lab ID:	09-1847 mb
Date Analyzed:	08/01/19	Data File:	080113.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AB-12-2.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-10 1/50
Date Analyzed:	07/25/19	Data File:	072521.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	100 d	31	163
Benzo(a)anthracene-d12	97 d	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.1
Acenaphthylene	<0.1
Acenaphthene	<0.1
Fluorene	<0.1
Phenanthrene	0.25
Anthracene	<0.1
Fluoranthene	<0.1
Pyrene	0.20
Benz(a)anthracene	<0.1
Chrysene	<0.1
Benzo(a)pyrene	<0.1 J
Benzo(b)fluoranthene	<0.1 J
Benzo(k)fluoranthene	<0.1 J
Indeno(1,2,3-cd)pyrene	<0.1 J
Dibenz(a,h)anthracene	<0.1 J
Benzo(g,h,i)perylene	<0.1 J

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AB-12-2.0	Client:	Aspect Consulting, LLC
Date Received:	07/19/19	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	907322-10 1/250
Date Analyzed:	07/23/19	Data File:	072327.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	113 d	31	163
Benzo(a)anthracene-d12	65 d	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.5
Acenaphthylene	<0.5
Acenaphthene	<0.5
Fluorene	<0.5
Phenanthrene	<0.5
Anthracene	<0.5
Fluoranthene	<0.5
Pyrene	<0.5
Benz(a)anthracene	<0.5
Chrysene	<0.5
Benzo(a)pyrene	<0.5 J
Benzo(b)fluoranthene	<0.5 J
Benzo(k)fluoranthene	<0.5 J
Indeno(1,2,3-cd)pyrene	<0.5 J
Dibenz(a,h)anthracene	<0.5 J
Benzo(g,h,i)perylene	<0.5 J

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587
Date Extracted:	07/22/19	Lab ID:	09-1755 mb 1/5
Date Analyzed:	07/23/19	Data File:	072308.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	75	31	163
Benzo(a)anthracene-d12	81	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 907314-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	115	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**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: 907401-01 (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)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	
			Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	98	69-120
Toluene	mg/kg (ppm)	0.5	107	70-117
Ethylbenzene	mg/kg (ppm)	0.5	110	65-123
Xylenes	mg/kg (ppm)	1.5	113	66-120
Gasoline	mg/kg (ppm)	20	105	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

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

Laboratory Code: 907323-01 (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	22000	160 b	120	73-135	29 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	102	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

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

Laboratory Code: 907322-23 (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	100	108	64-133	8

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 907322-15 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05 J	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05 J	nm
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005 J	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05 J	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05 J	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05 J	nm
Acetone	mg/kg (ppm)	<0.05	<0.05 J	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005 J	nm
Hexane	mg/kg (ppm)	<0.025	<0.025 J	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05 J	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.005	<0.005 J	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005 J	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005 J	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005 J	nm
Chloroform	mg/kg (ppm)	<0.005	<0.005 J	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.05	<0.05 J	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005 J	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005 J	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.005	<0.005 J	nm
Carbon tetrachloride	mg/kg (ppm)	<0.005	<0.005 J	nm
Benzene	mg/kg (ppm)	<0.003	<0.003 J	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003 J	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005 J	nm
Bromodichloromethane	mg/kg (ppm)	<0.005	<0.005 J	nm
Dibromomethane	mg/kg (ppm)	<0.005	<0.005 J	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.05	<0.05 J	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005 J	nm
Toluene	mg/kg (ppm)	<0.005	<0.005 J	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.005	<0.005 J	nm
2-Hexanone	mg/kg (ppm)	<0.05	<0.05 J	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.005	<0.005 J	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005 J	nm
Dibromochloromethane	mg/kg (ppm)	<0.005	<0.005 J	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.005	<0.005 J	nm
Chlorobenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
Ethylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005 J	nm
m,p-Xylene	mg/kg (ppm)	<0.01	<0.01 J	nm
o-Xylene	mg/kg (ppm)	<0.005	<0.005 J	nm
Styrene	mg/kg (ppm)	<0.005	<0.005 J	nm
Isopropylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
Bromoform	mg/kg (ppm)	<0.005	<0.005 J	nm
n-Propylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
Bromobenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005 J	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.005	<0.005 J	nm
2-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005 J	nm
4-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005 J	nm
tert-Butylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
sec-Butylbenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05 J	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025 J	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.025	<0.025 J	nm
Naphthalene	mg/kg (ppm)	<0.005	<0.005 J	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025 J	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	90	87	58-155	3
Chloromethane	mg/kg (ppm)	0.05	83	79	45-161	5
Vinyl chloride	mg/kg (ppm)	0.05	94	92	50-158	2
Bromomethane	mg/kg (ppm)	0.05	99	101	59-154	2
Chloroethane	mg/kg (ppm)	0.05	92	91	48-179	1
Trichlorofluoromethane	mg/kg (ppm)	0.05	96	95	52-161	1
Acetone	mg/kg (ppm)	0.25	176 vo	208 vo	48-156	17
1,1-Dichloroethene	mg/kg (ppm)	0.05	88	90	63-144	2
Hexane	mg/kg (ppm)	0.05	94	100	70-130	6
Methylene chloride	mg/kg (ppm)	0.05	94	112	17-179	17
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	91	97	49-148	6
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	88	88	70-130	0
1,1-Dichloroethane	mg/kg (ppm)	0.05	85	88	70-130	3
2,2-Dichloropropane	mg/kg (ppm)	0.05	91	89	70-130	2
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	93	96	70-130	3
Chloroform	mg/kg (ppm)	0.05	90	94	70-130	4
2-Butanone (MEK)	mg/kg (ppm)	0.25	123	152	14-169	21 vo
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	87	96	69-137	10
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	88	90	71-140	2
1,1-Dichloropropene	mg/kg (ppm)	0.05	91	94	69-138	3
Carbon tetrachloride	mg/kg (ppm)	0.05	93	93	76-140	0
Benzene	mg/kg (ppm)	0.05	90	95	67-138	5
Trichloroethene	mg/kg (ppm)	0.05	92	96	70-130	4
1,2-Dichloropropane	mg/kg (ppm)	0.05	90	100	64-143	11
Bromodichloromethane	mg/kg (ppm)	0.05	91	100	71-140	9
Dibromomethane	mg/kg (ppm)	0.05	91	100	70-130	9
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	84	101	31-183	18
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	89	103	50-162	15
Toluene	mg/kg (ppm)	0.05	95	95	12-185	0
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	93	101	67-144	8
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	91	99	70-130	8
2-Hexanone	mg/kg (ppm)	0.25	104	124	14-162	18
1,3-Dichloropropane	mg/kg (ppm)	0.05	92	101	23-189	9
Tetrachloroethene	mg/kg (ppm)	0.05	95	93	35-176	2
Dibromochloromethane	mg/kg (ppm)	0.05	94	99	57-161	5
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	91	99	70-130	8
Chlorobenzene	mg/kg (ppm)	0.05	94	96	70-130	2
Ethylbenzene	mg/kg (ppm)	0.05	95	96	70-130	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	100	98	70-130	2
m,p-Xylene	mg/kg (ppm)	0.1	96	95	70-130	1
o-Xylene	mg/kg (ppm)	0.05	96	94	70-130	2
Styrene	mg/kg (ppm)	0.05	93	96	70-130	3
Isopropylbenzene	mg/kg (ppm)	0.05	99	95	70-130	4
Bromoform	mg/kg (ppm)	0.05	92	98	70-130	6
n-Propylbenzene	mg/kg (ppm)	0.05	101	98	70-130	3
Bromobenzene	mg/kg (ppm)	0.05	96	98	70-130	2
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	102	96	34-175	6
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	94	98	54-149	4
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	91	97	70-130	6
2-Chlorotoluene	mg/kg (ppm)	0.05	98	94	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	98	97	70-130	1
tert-Butylbenzene	mg/kg (ppm)	0.05	107	100	70-130	7
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	104	98	70-130	6
sec-Butylbenzene	mg/kg (ppm)	0.05	106	99	70-130	7
p-Isopropyltoluene	mg/kg (ppm)	0.05	104	98	70-130	6
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	99	96	70-130	3
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	100	100	70-130	0
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	100	97	70-130	3
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	93	94	68-124	1
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	120	104	59-135	14
Hexachlorobutadiene	mg/kg (ppm)	0.05	105	91	70-130	14
Naphthalene	mg/kg (ppm)	0.05	103	94	70-130	9
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	113	96	55-146	16

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCS	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	118	115	43-162	3
Chloromethane	mg/kg (ppm)	0.05	108	106	58-137	2
Vinyl chloride	mg/kg (ppm)	0.05	111	110	60-136	1
Bromomethane	mg/kg (ppm)	0.05	110	110	67-138	0
Chloroethane	mg/kg (ppm)	0.05	108	105	65-132	3
Trichlorofluoromethane	mg/kg (ppm)	0.05	109	108	66-133	1
Acetone	mg/kg (ppm)	0.25	117	104	64-132	12
1,1-Dichloroethene	mg/kg (ppm)	0.05	107	105	70-130	2
Hexane	mg/kg (ppm)	0.05	95	91	70-130	4
Methylene chloride	mg/kg (ppm)	0.05	20 vo	19 vo	52-150	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	104	107	70-130	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	108	106	70-130	2
1,1-Dichloroethane	mg/kg (ppm)	0.05	105	104	70-130	1
2,2-Dichloropropane	mg/kg (ppm)	0.05	113	111	70-130	2
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	107	105	70-130	2
Chloroform	mg/kg (ppm)	0.05	106	105	70-130	1
2-Butanone (MEK)	mg/kg (ppm)	0.25	114	107	70-130	6
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	103	101	70-130	2
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	110	108	70-130	2
1,1-Dichloropropene	mg/kg (ppm)	0.05	108	106	70-130	2
Carbon tetrachloride	mg/kg (ppm)	0.05	111	111	70-130	0
Benzene	mg/kg (ppm)	0.05	105	104	70-130	1
Trichloroethene	mg/kg (ppm)	0.05	108	104	70-130	4
1,2-Dichloropropane	mg/kg (ppm)	0.05	108	106	70-130	2
Bromodichloromethane	mg/kg (ppm)	0.05	107	106	70-130	1
Dibromomethane	mg/kg (ppm)	0.05	109	106	70-130	3
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	109	107	70-130	2
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	110	106	70-130	4
Toluene	mg/kg (ppm)	0.05	106	103	70-130	3
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	112	109	70-130	3
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	106	104	70-130	2
2-Hexanone	mg/kg (ppm)	0.25	110	102	19-174	8
1,3-Dichloropropane	mg/kg (ppm)	0.05	105	103	70-130	2
Tetrachloroethene	mg/kg (ppm)	0.05	110	108	70-130	2
Dibromochloromethane	mg/kg (ppm)	0.05	111	111	70-130	0
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	107	105	70-130	2
Chlorobenzene	mg/kg (ppm)	0.05	106	104	70-130	2
Ethylbenzene	mg/kg (ppm)	0.05	109	104	70-130	5
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	109	110	70-130	1
m,p-Xylene	mg/kg (ppm)	0.1	109	107	70-130	2
o-Xylene	mg/kg (ppm)	0.05	110	107	70-130	3
Styrene	mg/kg (ppm)	0.05	112	108	70-130	4
Isopropylbenzene	mg/kg (ppm)	0.05	112	110	70-130	2
Bromoform	mg/kg (ppm)	0.05	111	110	70-130	1
n-Propylbenzene	mg/kg (ppm)	0.05	109	107	70-130	2
Bromobenzene	mg/kg (ppm)	0.05	108	103	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	111	109	70-130	2
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	105	107	70-130	2
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	103	102	70-130	1
2-Chlorotoluene	mg/kg (ppm)	0.05	110	106	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	110	107	70-130	3
tert-Butylbenzene	mg/kg (ppm)	0.05	110	107	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	110	107	70-130	3
sec-Butylbenzene	mg/kg (ppm)	0.05	111	110	70-130	1
p-Isopropyltoluene	mg/kg (ppm)	0.05	113	111	70-130	2
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	112	109	70-130	3
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	112	107	70-130	5
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	110	108	70-130	2
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	112	116	70-130	4
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	130	127	46-143	2
Hexachlorobutadiene	mg/kg (ppm)	0.05	116	116	70-130	0
Naphthalene	mg/kg (ppm)	0.05	115	116	70-130	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	124	122	65-131	2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 907219-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Hexane	mg/kg (ppm)	<0.025	<0.025	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Chloroform	mg/kg (ppm)	<0.005	<0.005	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Carbon tetrachloride	mg/kg (ppm)	<0.005	<0.005	nm
Benzene	mg/kg (ppm)	<0.003	<0.003	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Bromodichloromethane	mg/kg (ppm)	<0.005	<0.005	nm
Dibromomethane	mg/kg (ppm)	<0.005	<0.005	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Toluene	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2-Hexanone	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Dibromochloromethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.005	<0.005	nm
Chlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
Ethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
m,p-Xylene	mg/kg (ppm)	<0.01	<0.01	nm
o-Xylene	mg/kg (ppm)	<0.005	<0.005	nm
Styrene	mg/kg (ppm)	<0.005	<0.005	nm
Isopropylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromoform	mg/kg (ppm)	<0.005	<0.005	nm
n-Propylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
2-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
4-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
tert-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
sec-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.005	<0.005	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.025	<0.025	nm
Naphthalene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	96	113	58-155	16
Chloromethane	mg/kg (ppm)	0.05	88	97	45-161	10
Vinyl chloride	mg/kg (ppm)	0.05	90	100	50-158	11
Bromomethane	mg/kg (ppm)	0.05	103	113	59-154	9
Chloroethane	mg/kg (ppm)	0.05	86	97	48-179	12
Trichlorofluoromethane	mg/kg (ppm)	0.05	86	98	52-161	13
Acetone	mg/kg (ppm)	0.25	192 vo	204 vo	48-156	6
1,1-Dichloroethene	mg/kg (ppm)	0.05	80	90	63-144	12
Hexane	mg/kg (ppm)	0.05	82	96	70-130	16
Methylene chloride	mg/kg (ppm)	0.05	82	95	17-179	15
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	93	96	49-148	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	80	88	70-130	10
1,1-Dichloroethane	mg/kg (ppm)	0.05	82	89	70-130	8
2,2-Dichloropropane	mg/kg (ppm)	0.05	84	92	70-130	9
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	90	95	70-130	5
Chloroform	mg/kg (ppm)	0.05	89	95	70-130	7
2-Butanone (MEK)	mg/kg (ppm)	0.25	146	153	14-169	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	92	97	69-137	5
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	83	90	71-140	8
1,1-Dichloropropene	mg/kg (ppm)	0.05	85	94	69-138	10
Carbon tetrachloride	mg/kg (ppm)	0.05	86	96	76-140	11
Benzene	mg/kg (ppm)	0.05	88	95	67-138	8
Trichloroethene	mg/kg (ppm)	0.05	89	98	70-130	10
1,2-Dichloropropane	mg/kg (ppm)	0.05	95	101	64-143	6
Bromodichloromethane	mg/kg (ppm)	0.05	96	100	71-140	4
Dibromomethane	mg/kg (ppm)	0.05	98	101	70-130	3
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	98	103	31-183	5
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	97	102	50-162	5
Toluene	mg/kg (ppm)	0.05	90	98	12-185	9
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	99	103	67-144	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	98	101	70-130	3
2-Hexanone	mg/kg (ppm)	0.25	123	128	14-162	4
1,3-Dichloropropane	mg/kg (ppm)	0.05	99	104	23-189	5
Tetrachloroethene	mg/kg (ppm)	0.05	87	95	35-176	9
Dibromochloromethane	mg/kg (ppm)	0.05	99	102	57-161	3
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	98	102	70-130	4
Chlorobenzene	mg/kg (ppm)	0.05	92	96	70-130	4
Ethylbenzene	mg/kg (ppm)	0.05	91	97	70-130	6
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	97	100	70-130	3
m,p-Xylene	mg/kg (ppm)	0.1	89	96	70-130	8
o-Xylene	mg/kg (ppm)	0.05	90	95	70-130	5
Styrene	mg/kg (ppm)	0.05	92	96	70-130	4
Isopropylbenzene	mg/kg (ppm)	0.05	92	98	70-130	6
Bromoform	mg/kg (ppm)	0.05	98	101	70-130	3
n-Propylbenzene	mg/kg (ppm)	0.05	92	100	70-130	8
Bromobenzene	mg/kg (ppm)	0.05	93	99	70-130	6
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	91	98	34-175	7
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	94	100	54-149	6
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	95	100	70-130	5
2-Chlorotoluene	mg/kg (ppm)	0.05	89	96	70-130	8
4-Chlorotoluene	mg/kg (ppm)	0.05	91	98	70-130	7
tert-Butylbenzene	mg/kg (ppm)	0.05	96	102	70-130	6
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	92	99	70-130	7
sec-Butylbenzene	mg/kg (ppm)	0.05	94	102	70-130	8
p-Isopropyltoluene	mg/kg (ppm)	0.05	92	99	70-130	7
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	90	95	70-130	5
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	91	97	70-130	6
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	92	96	70-130	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	93	98	68-124	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	92	96	59-135	4
Hexachlorobutadiene	mg/kg (ppm)	0.05	88	92	70-130	4
Naphthalene	mg/kg (ppm)	0.05	89	91	70-130	2
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	89	90	55-146	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCS D	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	99	103	43-162	4
Chloromethane	mg/kg (ppm)	0.05	98	102	58-137	4
Vinyl chloride	mg/kg (ppm)	0.05	102	106	60-136	4
Bromomethane	mg/kg (ppm)	0.05	105	105	67-138	0
Chloroethane	mg/kg (ppm)	0.05	100	103	65-132	3
Trichlorofluoromethane	mg/kg (ppm)	0.05	102	107	66-133	5
Acetone	mg/kg (ppm)	0.25	97	107	64-132	10
1,1-Dichloroethene	mg/kg (ppm)	0.05	99	108	70-130	9
Hexane	mg/kg (ppm)	0.05	97	105	70-130	8
Methylene chloride	mg/kg (ppm)	0.05	131	136	52-150	4
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	103	106	70-130	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	103	108	70-130	5
1,1-Dichloroethane	mg/kg (ppm)	0.05	101	105	70-130	4
2,2-Dichloropropane	mg/kg (ppm)	0.05	107	112	70-130	5
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	102	108	70-130	6
Chloroform	mg/kg (ppm)	0.05	102	106	70-130	4
2-Butanone (MEK)	mg/kg (ppm)	0.25	95	104	70-130	9
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	98	102	70-130	4
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	104	110	70-130	6
1,1-Dichloropropene	mg/kg (ppm)	0.05	101	108	70-130	7
Carbon tetrachloride	mg/kg (ppm)	0.05	105	112	70-130	6
Benzene	mg/kg (ppm)	0.05	101	105	70-130	4
Trichloroethene	mg/kg (ppm)	0.05	102	106	70-130	4
1,2-Dichloropropane	mg/kg (ppm)	0.05	103	108	70-130	5
Bromodichloromethane	mg/kg (ppm)	0.05	103	108	70-130	5
Dibromomethane	mg/kg (ppm)	0.05	103	109	70-130	6
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	98	104	70-130	6
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	104	108	70-130	4
Toluene	mg/kg (ppm)	0.05	100	106	70-130	6
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	109	70-130	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	101	104	70-130	3
2-Hexanone	mg/kg (ppm)	0.25	94	100	19-174	6
1,3-Dichloropropane	mg/kg (ppm)	0.05	100	103	70-130	3
Tetrachloroethene	mg/kg (ppm)	0.05	101	109	70-130	8
Dibromochloromethane	mg/kg (ppm)	0.05	108	112	70-130	4
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	102	106	70-130	4
Chlorobenzene	mg/kg (ppm)	0.05	100	105	70-130	5
Ethylbenzene	mg/kg (ppm)	0.05	101	107	70-130	6
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	107	111	70-130	4
m,p-Xylene	mg/kg (ppm)	0.1	103	108	70-130	5
o-Xylene	mg/kg (ppm)	0.05	103	107	70-130	4
Styrene	mg/kg (ppm)	0.05	104	108	70-130	4
Isopropylbenzene	mg/kg (ppm)	0.05	105	110	70-130	5
Bromoform	mg/kg (ppm)	0.05	104	111	70-130	7
n-Propylbenzene	mg/kg (ppm)	0.05	102	107	70-130	5
Bromobenzene	mg/kg (ppm)	0.05	100	105	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	104	109	70-130	5
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	100	104	70-130	4
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	96	101	70-130	5
2-Chlorotoluene	mg/kg (ppm)	0.05	103	107	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	101	105	70-130	4
tert-Butylbenzene	mg/kg (ppm)	0.05	105	109	70-130	4
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	102	106	70-130	4
sec-Butylbenzene	mg/kg (ppm)	0.05	106	109	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	106	110	70-130	4
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	102	106	70-130	4
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	100	104	70-130	4
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	101	103	70-130	2
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	100	105	70-130	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	109	106	46-143	3
Hexachlorobutadiene	mg/kg (ppm)	0.05	112	109	70-130	3
Naphthalene	mg/kg (ppm)	0.05	104	102	70-130	2
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	109	105	65-131	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/19/19

Project: Skanska NE8 180587, F&BI 907322

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270D SIM**

Laboratory Code: 907338-06 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	72	44-129
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	74	52-121
Acenaphthene	mg/kg (ppm)	0.17	<0.01	73	51-123
Fluorene	mg/kg (ppm)	0.17	<0.01	75	37-137
Phenanthrene	mg/kg (ppm)	0.17	0.011	84	34-141
Anthracene	mg/kg (ppm)	0.17	<0.01	71	32-124
Fluoranthene	mg/kg (ppm)	0.17	<0.01	68	16-160
Pyrene	mg/kg (ppm)	0.17	<0.01	73	10-180
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	76	23-144
Chrysene	mg/kg (ppm)	0.17	<0.01	78	32-149
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	64	23-176
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	70	42-139
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	62	21-163
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	62	23-170
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	69	31-146
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	65	37-133

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	85	81	58-121	5
Acenaphthylene	mg/kg (ppm)	0.17	85	82	54-121	4
Acenaphthene	mg/kg (ppm)	0.17	85	83	54-123	2
Fluorene	mg/kg (ppm)	0.17	85	83	56-127	2
Phenanthrene	mg/kg (ppm)	0.17	87	84	55-122	4
Anthracene	mg/kg (ppm)	0.17	82	79	50-120	4
Fluoranthene	mg/kg (ppm)	0.17	79	78	54-129	1
Pyrene	mg/kg (ppm)	0.17	80	79	53-127	1
Benz(a)anthracene	mg/kg (ppm)	0.17	83	83	51-115	0
Chrysene	mg/kg (ppm)	0.17	86	86	55-129	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	79	75	56-123	5
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	85	81	54-131	5
Benzo(a)pyrene	mg/kg (ppm)	0.17	72	70	51-118	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	68	67	49-148	1
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	72	73	50-141	1
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	71	71	52-131	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

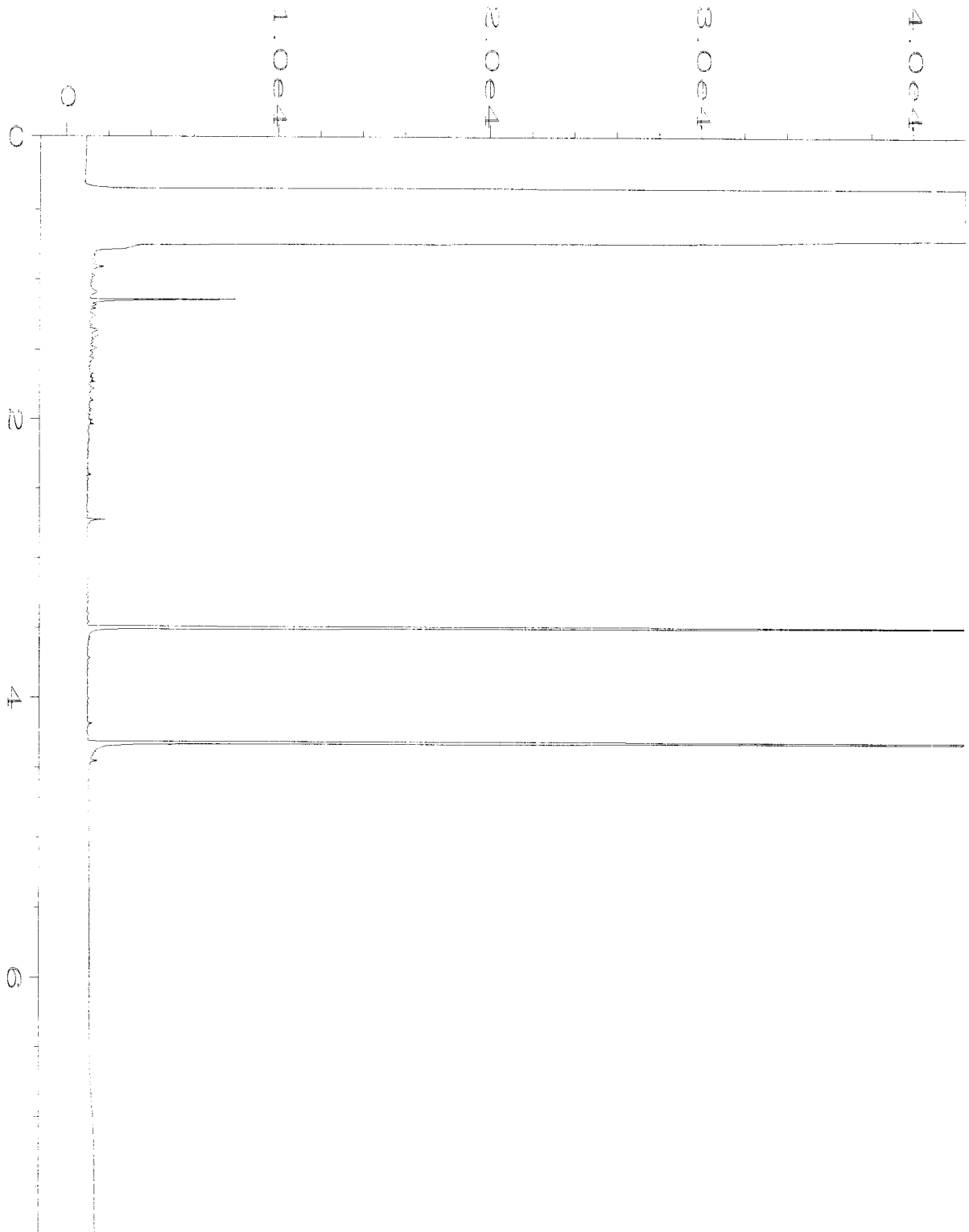
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

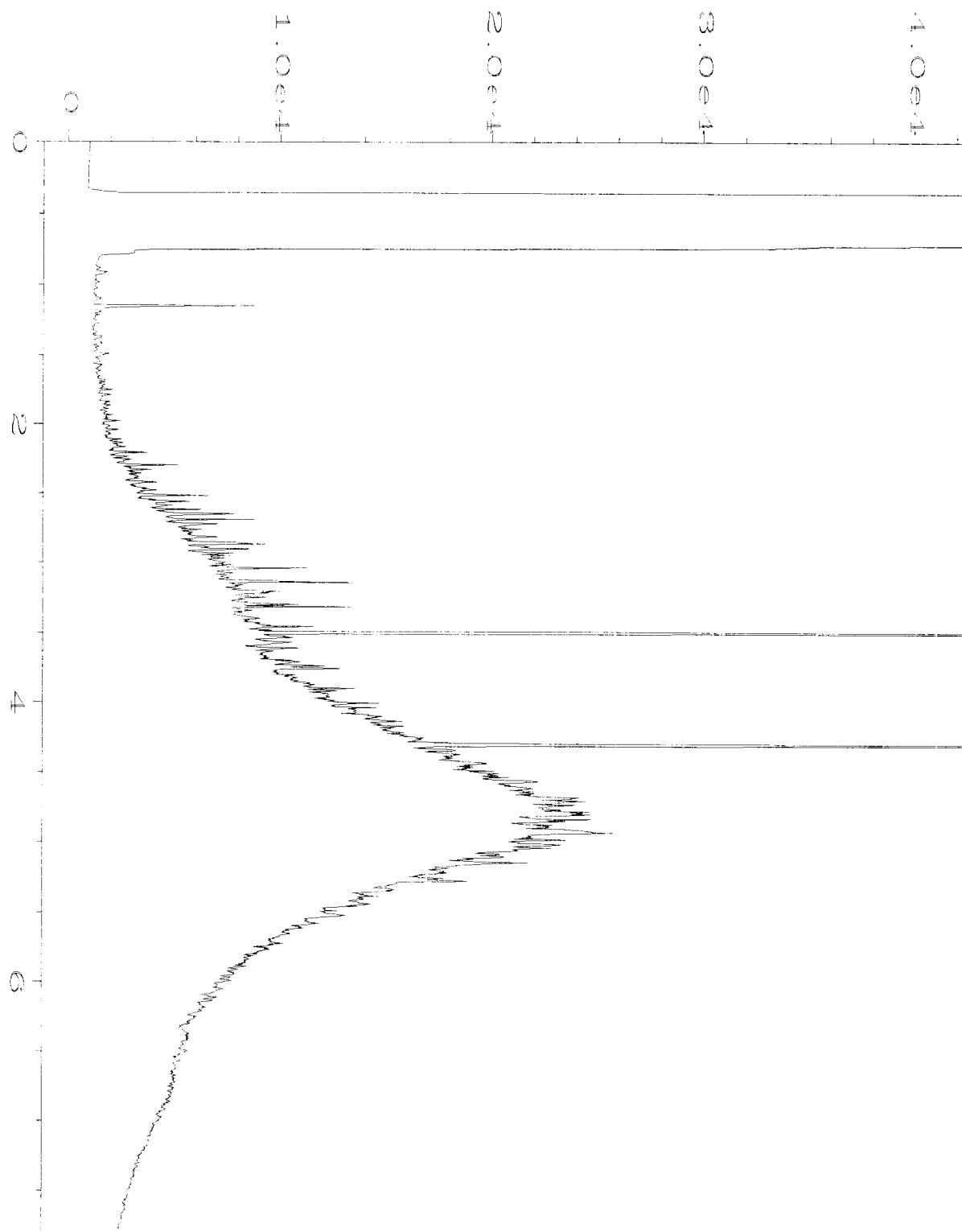
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

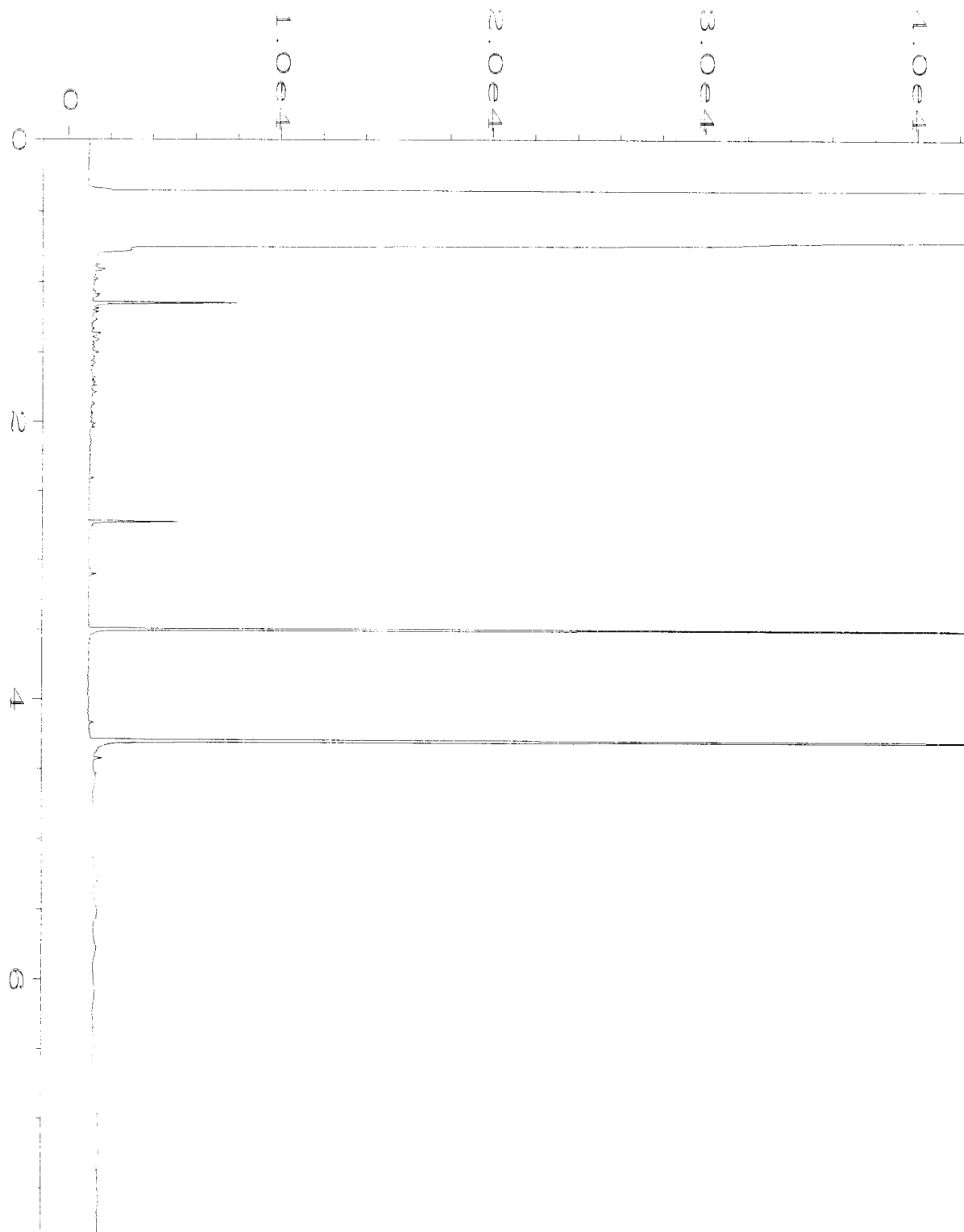
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



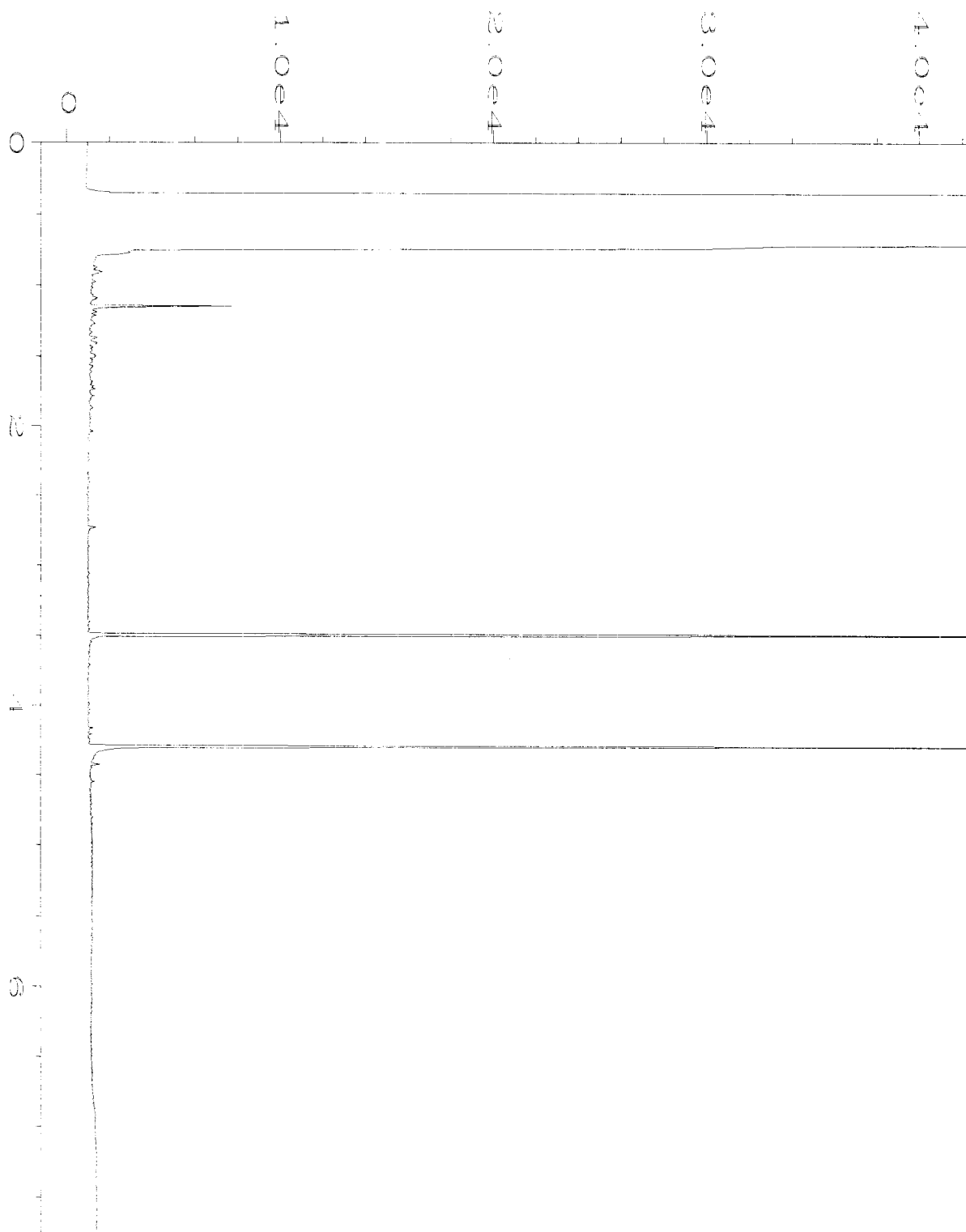
Data File Name	: C:\HPCHEM\4\DATA\07-19-19\018F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 18
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907322-03	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 19 Jul 19 01:48 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	22 Jul 19 08:49 AM		



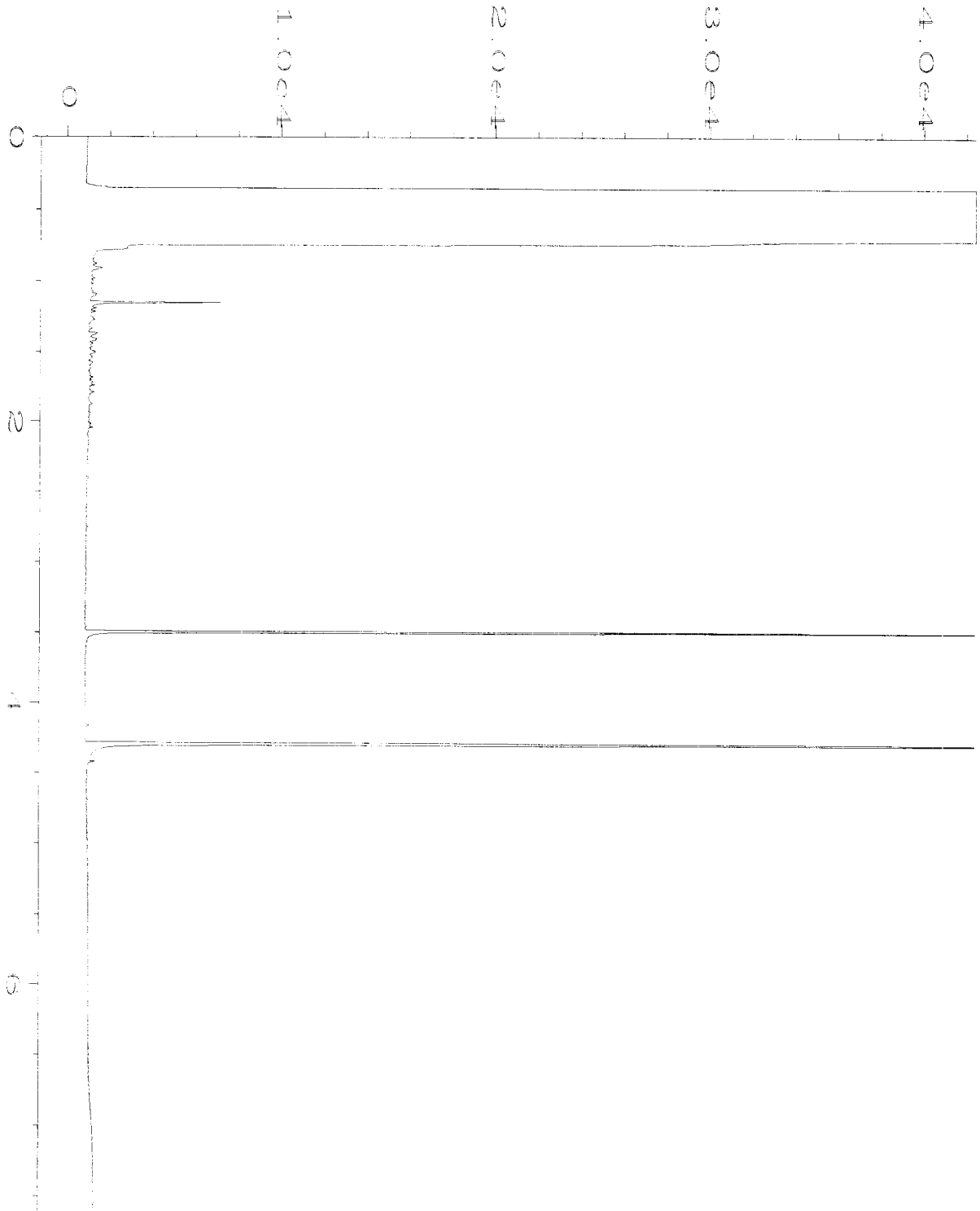
Data File Name	: C:\HPCHEM\4\DATA\07-19-19\019F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 19
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907322-10	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 19 Jul 19 01:58 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	22 Jul 19 08:49 AM		



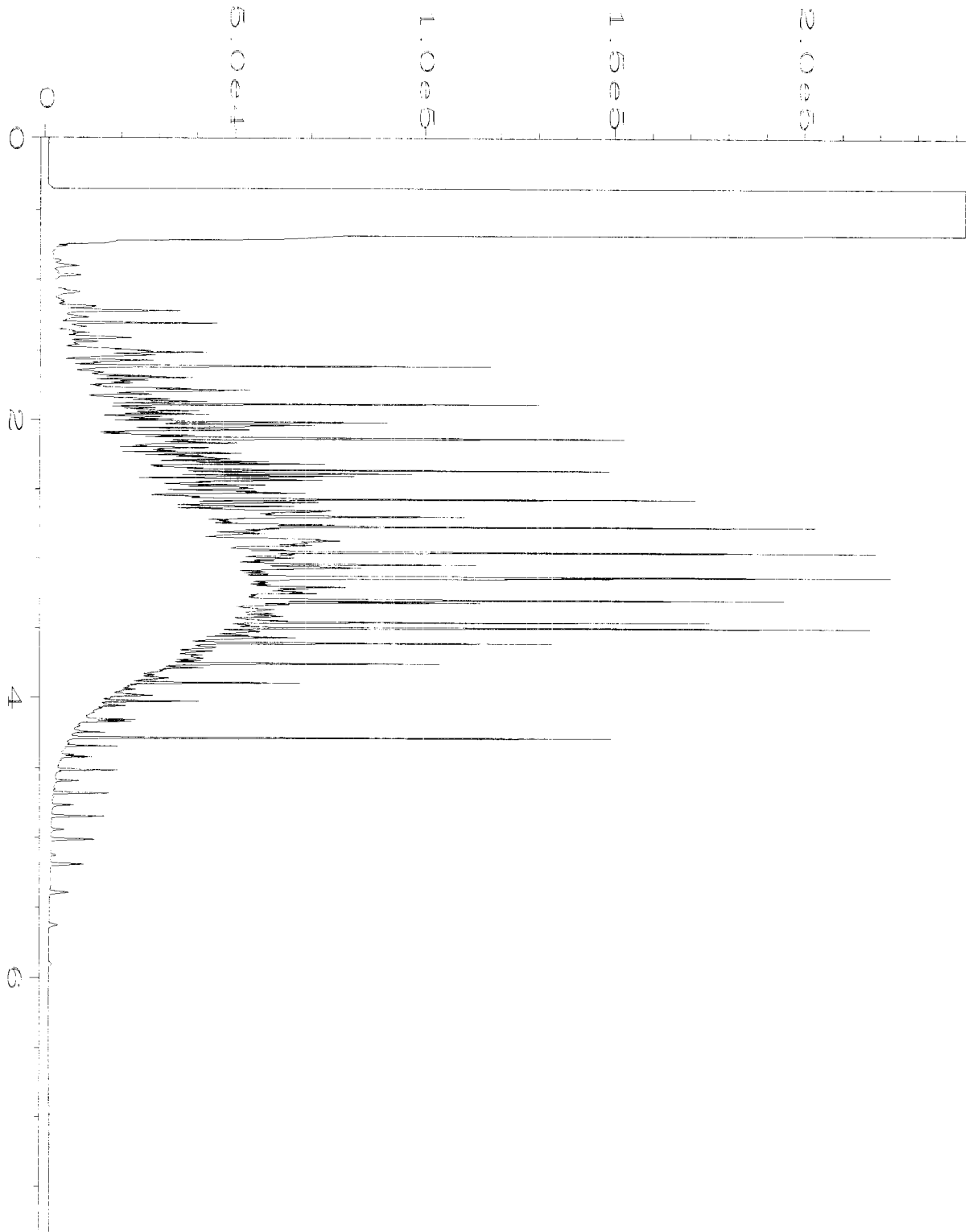
Data File Name	: C:\HPCHEM\4\DATA\07-19-19\020F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 20
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907322-14	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 19 Jul 19 02:10 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	22 Jul 19 08:49 AM		



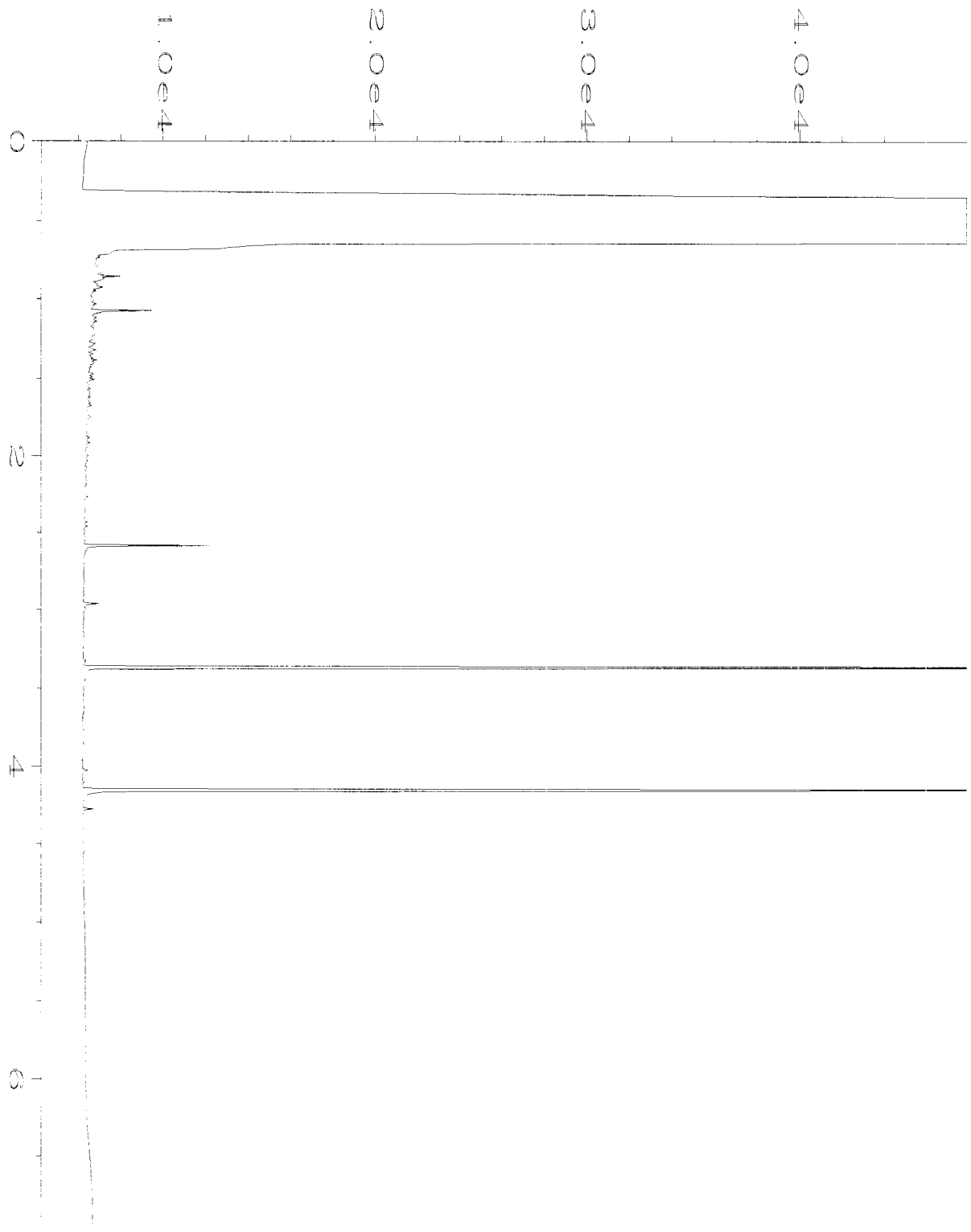
Data File Name	: C:\HPCHEM\4\DATA\07-19-19\021F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 21
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907322-15	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 19 Jul 19 02:23 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	22 Jul 19 08:49 AM		



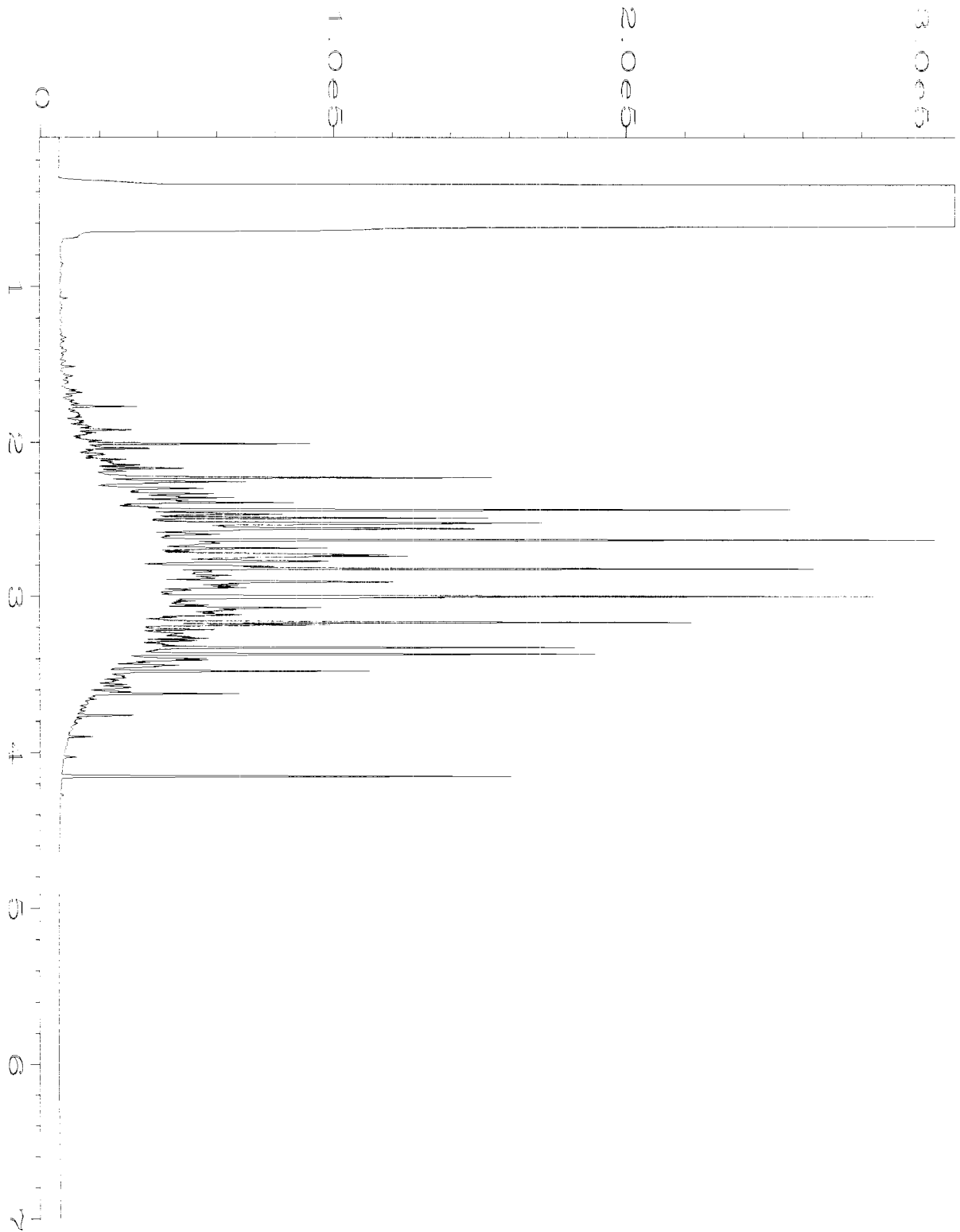
Data File Name	: C:\HPCHEM\4\DATA\07-19-19\010F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 10
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 09-1744 mb	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 19 Jul 19 10:55 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	22 Jul 19 08:50 AM		



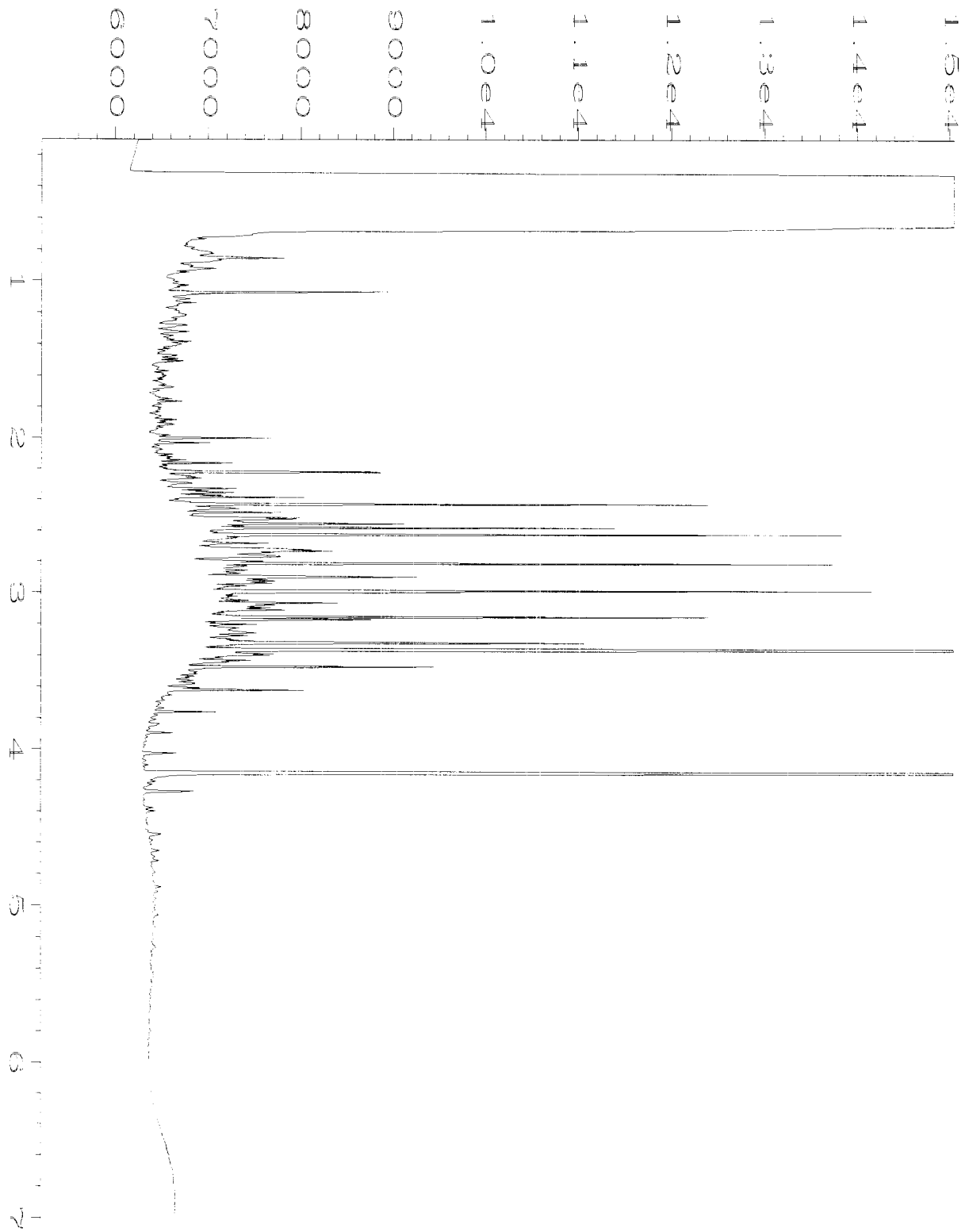
Data File Name	: C:\HPCHEM\4\DATA\07-19-19\005F1001.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 1000 Dx 57-78B	Sequence Line	: 10
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 19 Jul 19 07:13 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	22 Jul 19 08:50 AM		



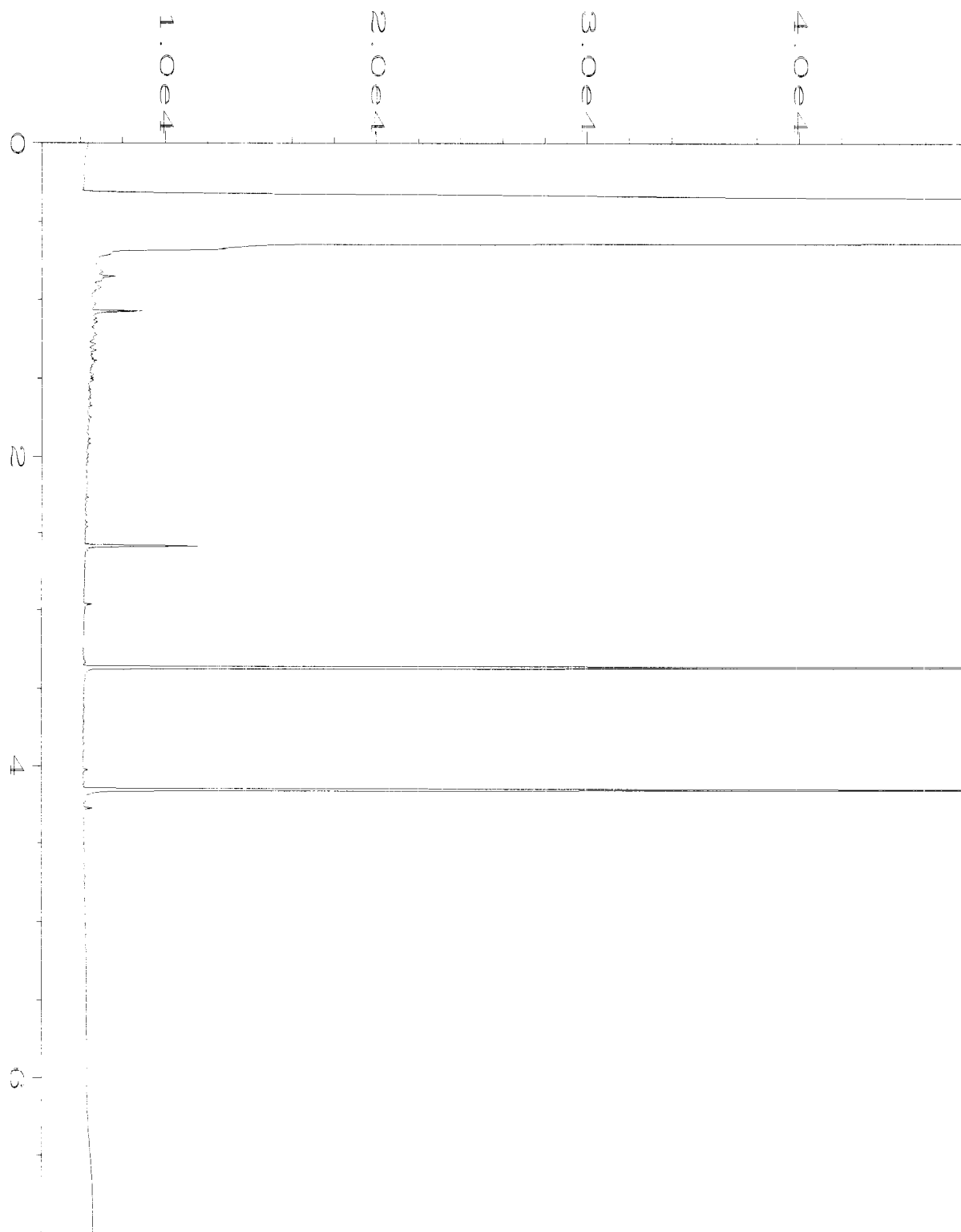
Data File Name	: C:\HPCHEM\6\DATA\07-24-19\010F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 10
Instrument	: GC6	Injection Number	: 1
Sample Name	: 907322-23	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 09:11 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:38 AM		



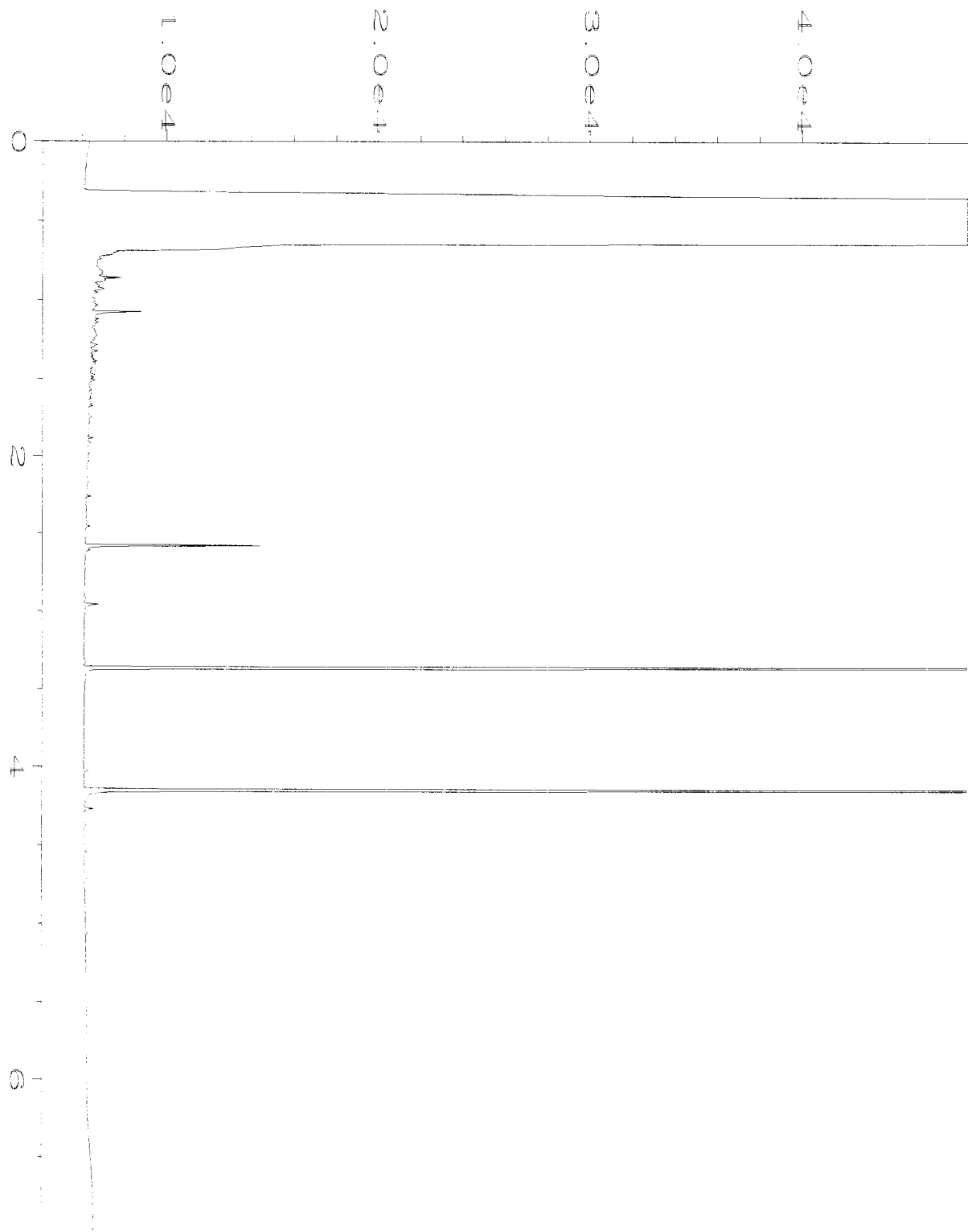
Data File Name	: C:\HPCHEM\6\DATA\07-24-19\011F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 11
Instrument	: GC6	Injection Number	: 1
Sample Name	: 907322-25	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 09:22 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:38 AM		



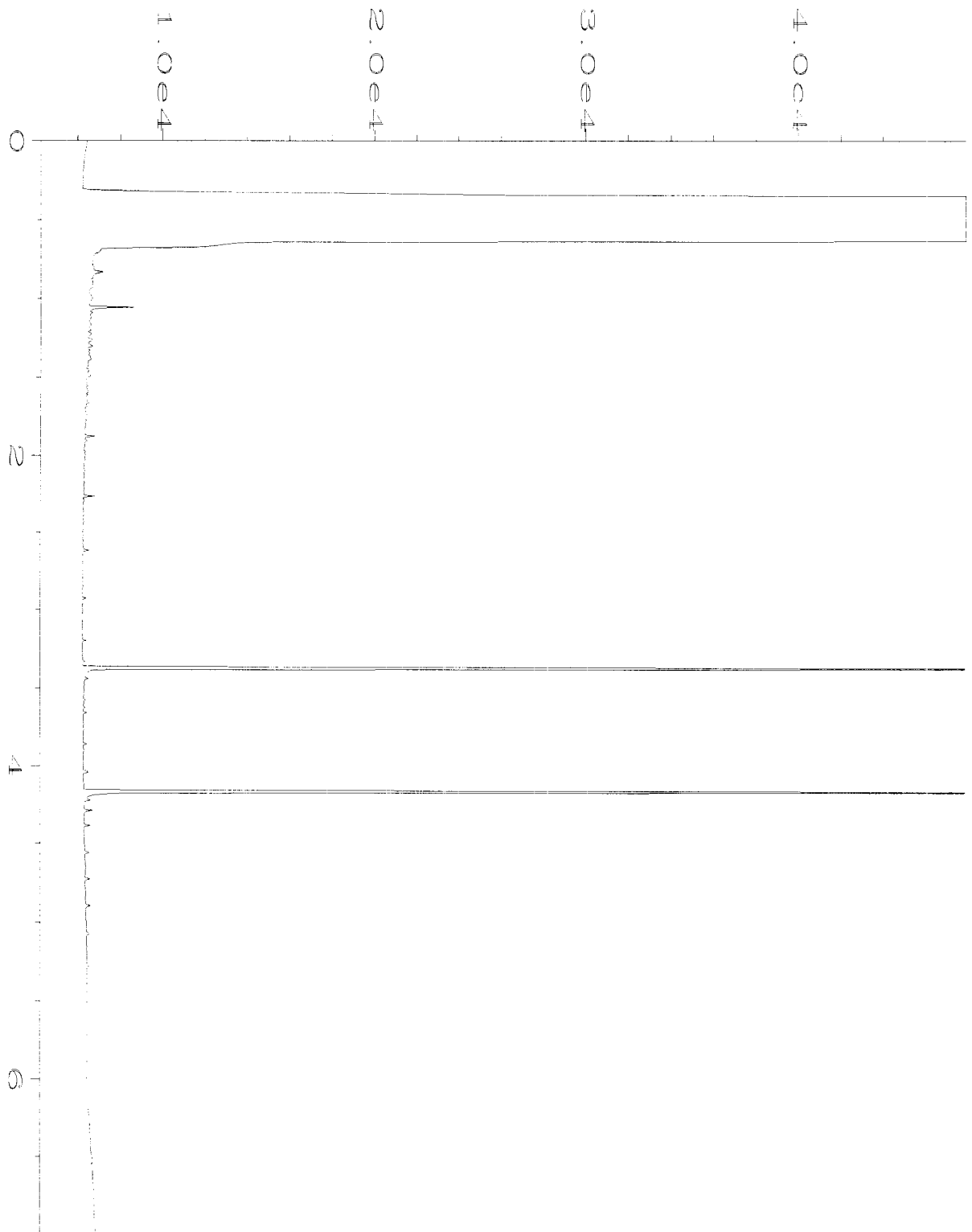
Data File Name	: C:\HPCHEM\6\DATA\07-24-19\012F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 12
Instrument	: GC6	Injection Number	: 1
Sample Name	: 907322-27	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 09:33 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:39 AM		



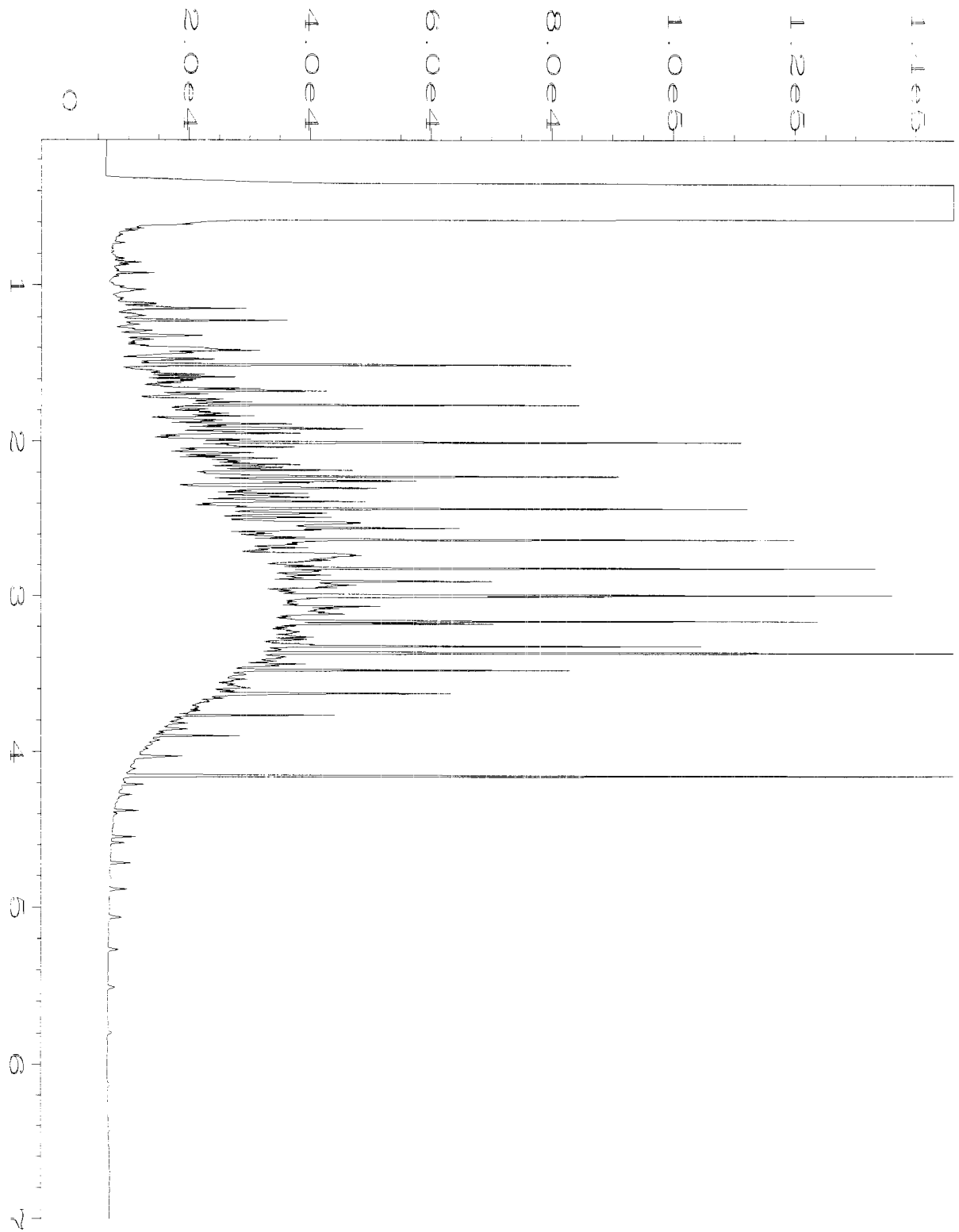
Data File Name	: C:\HPCHEM\6\DATA\07-24-19\013F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 13
Instrument	: GC6	Injection Number	: 1
Sample Name	: 907322-29	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 09:44 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:39 AM		



Data File Name	: C:\HPCHEM\6\DATA\07-24-19\014F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 14
Instrument	: GC6	Injection Number	: 1
Sample Name	: 907322-38	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 09:55 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:39 AM		



Data File Name	: C:\HPCHEM\6\DATA\07-24-19\006F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 6
Instrument	: GC6	Injection Number	: 1
Sample Name	: 09-1773 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 08:29 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:37 AM		



Data File Name	: C:\HPCHEM\6\DATA\07-24-19\003F0201.D	Page Number	: 1
Operator	: TL	Vial Number	: 3
Instrument	: GC6	Injection Number	: 1
Sample Name	: 500 Dx 57-78E	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 24 Jul 19 07:20 AM	Analysis Method	: DX.MTH
Report Created on:	25 Jul 19 10:37 AM		

907322

SAMPLE CHAIN OF CUSTODY ME 07-19-19

805 / 1449

Report To Jessica Smith & Ali Cochran

Company Aspect Consulting

Address 710 2nd Ave Suite 550

City, State, ZIP Seattle, WA 98104

Phone _____ Email _____

Page # _____ of _____

TURNAROUND TIME

Standard Turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days

Archive Samples

Other

SAMPLERS (signature) Kath Beck

PROJECT NAME

Skanska NE8

PO #

180587

REMARKS

Please hold

INVOICE TO

Accts payable

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes	
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		
AB-11-2.0	01A-E	7.17.19	1241	soil	5									
AB-11-5.0	02		1249											
AB-11-7.0	03		1251			X	X		X					
AB-11-11.0	04		1310											
AB-11-15.0	05		1313											
AB-11-20.0	06		1351											
AB-11-25.0	07		1352											
AB-11-30.0	08		1451											
AB-11-35.0	09		1452											
AB-12-2.0	10		0911			X	X		X		X			

SIGNATURE

Kath Beck

PRINT NAME

Kristin Beck

COMPANY

Aspect

DATE

7/15/19

TIME

707

Relinquished by:

Kath Beck

Received by:

Liz Webber-Bryce

COMPANY

F2B1

DATE

7/19/19

TIME

707

Ph. (206) 285-8282

Seattle, WA 98119-2029

3012 16th Avenue West

Friedman & Bruya, Inc.

Received by:

Liz Webber-Bryce

Samples received at 4 °C

907322

SAMPLE CHAIN OF CUSTODY ME 07-19-19

Page # 2 of 4

Report To Jessica Smith & Ali Cochran

Company Aspect Consulting

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) Kristin Beck

PROJECT NAME Stem's & NEP

PO # 180587

REMARKS Please hold

INVOICE TO Accts payable

TURNAROUND TIME

Standard Turnaround

RUSH

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							Notes	
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		
AB-12-5.0	11A-E	7.17.19	0914	soil	5									
AB-12-7.5	12-T		0921		1									
AB-12-16.0	13		0924		1									
AB-12-15.0	14		0932		1	X	X				X			
AB-12-20.0	15		1015		1	X	X				X			
AB-12-23.0	16		1019		1									
AB-12-30.0	17		1101		1									
AB-12-35.0	18		1106		1									
AB-10-2.0	19	7.18.19	0801		1									
AB-10-5.0	20		0803		1									

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: Kristin Beck

Kristin Beck

Aspect

7/19/19

707

Received by: S.D. Webb

S.D. Webb

EBI

7/19/19

707

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

907322

SAMPLE CHAIN OF CUSTODY

HE 07-19-19

805/1844

Report To Jessica Smith ~~MTA~~ Ati Cochran

Company Aspect Consulting

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) Kath Beck

PROJECT NAME

Skanska NE8

PO #

180587

REMARKS

Please hold non-marked samples

INVOICE TO

Aceto payroll

Page # 3 of 4

TURNAROUND TIME
 Standard Turnaround
 RUSH
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										Notes			
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM							
AB-10-7.5	21 A-F	7.18.19	0805	Soil	5														
AB-10-10.0	22 T		0807																
AB-10-15.0	23		0826																
AB-10-20.0	24		0828																
AB-10-25.0	25		0841																
AB-10-30.0	26		0848																
AB-10-33.0	27		0951																
AB-10-40.0	28		1000																
AB-10-45.0	29		1035																
AB-10-50.0	30		1040																

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

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Kath Beck</u>	<u>Kristin Beck</u>	<u>Aspect</u>	<u>7/19/19</u>	<u>707</u>
Received by: <u>D.W. Beck</u>	<u>Liz Weber-Beck</u>	<u>FiB</u>	<u>7/19/19</u>	<u>707</u>
Relinquished by: _____				
Received by: _____				

907322

SAMPLE CHAIN OF CUSTODY NE 07-19-19

Page # 8524 of 1444

Report To Jessica Smith & Ali Cochran

Company Aspect Consulting

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) K. Webb

PROJECT NAME Skanska NE8

PO # 180567

REMARKS

Please hold unmarked samples

INVOICE TO

TURNAROUND TIME
 Standard Turnaround
 RUSH
Rush charges authorized by: _____

SAMPLE DISPOSAL
 Dispose after 30 days
 Archive Samples
 Other _____

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes	
						TPH-HCID	TPH-Diesel	TPH-Gasoline *	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		
AB-10-55.0	31A-E	7.18.19	1050	soil	5									
AB-10-60.0	32		1241		1									
AB-10-62.0	33		1244		1									
AMW-2-2.0	34		1451		1									
AMW-2-5.0	35		1454		1									
AMW-2-8.0	36		1457		1									
AMW-2-15.0	37		1511		1									
AMW-2-20.0	38		1515		1									
AMW-2-25.0	39		1646		1									
AMW-2-30.0	40		1641		1									

SIGNATURE

Relinquished by: K. Webb

PRINT NAME

Kristin Beck

COMPANY

Aspect

DATE

7/19/19

TIME

707

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

Received by: K. Webb

PRINT NAME

Liz Webber Beck

COMPANY

F781

DATE

7/19/19

TIME

707

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 29, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on July 20, 2019 from the Skanska NE8 180587, F&BI 907368 project. There are 12 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Ali Cochrane
ASP0729R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 20, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8 180587, F&BI 907368 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
907368 -01	AMW-2-80.0
907368 -02	AMW-2-35.0
907368 -03	AMW-2-40.0
907368 -04	AMW-2-42.0
907368 -05	AMW-2-45.0
907368 -06	AMW-2-50.0
907368 -07	AMW-2-55.0
907368 -08	AMW-2-60.0
907368 -09	AMW-2-65.0
907368 -10	AMW-2-70.0
907368 -11	AMW-2-75.0

Methylene chloride was detected in the 8260C analysis of sample AMW-2-60.0. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AMW-2-42.0	Client:	Aspect Consulting, LLC
Date Received:	07/20/19	Project:	Skanska NE8 180587, F&BI 907368
Date Extracted:	07/22/19	Lab ID:	907368-04
Date Analyzed:	07/22/19	Data File:	072215.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AMW-2-55.0	Client:	Aspect Consulting, LLC
Date Received:	07/20/19	Project:	Skanska NE8 180587, F&BI 907368
Date Extracted:	07/22/19	Lab ID:	907368-07
Date Analyzed:	07/22/19	Data File:	072216.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	130	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	0.0092

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AMW-2-60.0	Client:	Aspect Consulting, LLC
Date Received:	07/20/19	Project:	Skanska NE8 180587, F&BI 907368
Date Extracted:	07/22/19	Lab ID:	907368-08
Date Analyzed:	07/23/19	Data File:	072315.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	110	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.11 lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AMW-2-65.0	Client:	Aspect Consulting, LLC
Date Received:	07/20/19	Project:	Skanska NE8 180587, F&BI 907368
Date Extracted:	07/22/19	Lab ID:	907368-09
Date Analyzed:	07/22/19	Data File:	072218.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	104	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AMW-2-70.0	Client:	Aspect Consulting, LLC
Date Received:	07/20/19	Project:	Skanska NE8 180587, F&BI 907368
Date Extracted:	07/22/19	Lab ID:	907368-10
Date Analyzed:	07/22/19	Data File:	072219.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8 180587, F&BI 907368
Date Extracted:	07/22/19	Lab ID:	09-1689 mb
Date Analyzed:	07/22/19	Data File:	071906.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/29/19
Date Received: 07/20/19
Project: Skanska NE8 180587, F&BI 907368
Date Extracted: 07/24/19
Date Analyzed: 07/24/19

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 56-165)
AMW-2-55.0 907368-07	1,200	<250	101
Method Blank 09-1783 MB	<50	<250	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/29/19

Date Received: 07/20/19

Project: Skanska NE8 180587, F&BI 907368

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 907219-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/29/19

Date Received: 07/20/19

Project: Skanska NE8 180587, F&BI 907368

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

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)	0.05	90	100	50-158	11
Chloroethane	mg/kg (ppm)	0.05	86	97	48-179	12
1,1-Dichloroethene	mg/kg (ppm)	0.05	80	90	63-144	12
Methylene chloride	mg/kg (ppm)	0.05	82	95	17-179	15
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	80	88	70-130	10
1,1-Dichloroethane	mg/kg (ppm)	0.05	82	89	70-130	8
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	90	95	70-130	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	92	97	69-137	5
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	83	90	71-140	8
Trichloroethene	mg/kg (ppm)	0.05	89	98	70-130	10
Tetrachloroethene	mg/kg (ppm)	0.05	87	95	35-176	9

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/29/19

Date Received: 07/20/19

Project: Skanska NE8 180587, F&BI 907368

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

Laboratory Code: 907354-04 (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	108	96	63-146	12

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	94	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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

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

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

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

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

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

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

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

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

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

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

August 2, 2019

Jessica Smith, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Smith:

Included are the results from the testing of material submitted on July 24, 2019 from the Skanska NE8, PO 180587, F&BI 907411 project. There are 25 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect
ASP0802R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 24, 2019 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE8, PO 180587, F&BI 907411 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
907411 -01	AB-05-2.5
907411 -02	AB-05-5.0
907411 -03	AB-05-7.5
907411 -04	AB-05-10.0
907411 -05	AB-05-12.5
907411 -06	AB-05-15.0
907411 -07	AB-05-20.0
907411 -08	AB-05-25.0
907411 -09	AB-05-30.0
907411 -10	AB-05-35.0
907411 -11	AB-05-40.0
907411 -12	AB-05-45.0
907411 -13	AB-05-50.0
907411 -14	AB-05-55.0
907411 -15	AB-06-2.5
907411 -16	AB-06-5.0
907411 -17	AB-06-7.5
907411 -18	AB-06-10.0
907411 -19	AB-06-12.5
907411 -20	AB-06-15.0
907411 -21	AB-06-20.0
907411 -22	AB-06-25.0
907411 -23	AB-06-30.0
907411 -24	AB-06-35.0
907411 -25	AB-06-40.0
907411 -26	AB-06-45.0
907411 -27	AB-06-50.0
907411 -28	AB-06-55.0

An 8260C direct sparge internal standard failed the acceptance criteria for samples AB-05-20.0 and AB-05-30.0. In addition, the concentration for some analytes in these samples exceeded the calibration range. The samples were diluted by performing methanolic extraction. Both data sets were reported. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

Date Extracted: 07/26/19

Date Analyzed: 07/26/19 and 07/29/19

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
AB-05-20.0 907411-07	27	97
AB-05-30.0 907411-09 1/10	230	109
AB-05-50.0 907411-13	<5	68
AB-06-2.5 907411-15	<5	70
AB-06-40.0 907411-25 1/10	200	96
AB-06-55.0 907411-28	<5	73
Method Blank 09-1809 MB	<5	80

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

Date Extracted: 07/26/19

Date Analyzed: 07/26/19

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AB-05-20.0 907411-07	<50	<250	88
AB-05-30.0 907411-09	3,900	<250	94
AB-05-50.0 907411-13	<50	<250	92
AB-06-2.5 907411-15	<50	<250	87
AB-06-40.0 907411-25	<50	<250	90
AB-06-55.0 907411-28	<50	<250	86
Method Blank 09-1801 MB	<50	<250	87

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-06-2.5	Client:	Aspect Consulting, LLC
Date Received:	07/24/19	Project:	Skanska NE8, PO 180587
Date Extracted:	07/26/19	Lab ID:	907411-15
Date Analyzed:	07/26/19	Data File:	907411-15.162
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	2.24
Barium	70.4
Cadmium	<1
Chromium	17.7
Lead	2.42
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska NE8, PO 180587
Date Extracted:	07/26/19	Lab ID:	I9-451 mb
Date Analyzed:	07/26/19	Data File:	I9-451 mb.114
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	AB-06-2.5	Client:	Aspect Consulting, LLC
Date Received:	07/24/19	Project:	Skanska NE8, PO 180587
Date Extracted:	07/24/19	Lab ID:	907411-15 1/5
Date Analyzed:	07/25/19	Data File:	072515.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	89	31	163
Benzo(a)anthracene-d12	109	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8, PO 180587
Date Extracted:	07/25/19	Lab ID:	09-1785 mb 1/5
Date Analyzed:	07/24/19	Data File:	072423.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	86	31	163
Benzo(a)anthracene-d12	107	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID: AB-05-20.0	Client: Aspect Consulting, LLC
Date Received: 07/24/19	Project: Skanska NE8, PO 180587
Date Extracted: 07/25/19	Lab ID: 907411-07
Date Analyzed: 07/25/19	Data File: 072517.D
Matrix: Soil	Instrument: GCMS9
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	135 J	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	0.016
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	0.034	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	0.081
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	0.15 J
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005 J
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	0.12 J
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005 J
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005 J
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005 J
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005 J
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005 J
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	0.031 J
Benzene	<0.003	sec-Butylbenzene	0.19 J ve
Trichloroethene	<0.003	p-Isopropyltoluene	0.12 J
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005 J
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005 J
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005 J
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05 J
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025 J
Toluene	<0.005	Hexachlorobutadiene	<0.025 J
trans-1,3-Dichloropropene	<0.005	Naphthalene	0.071 J
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025 J
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-05-30.0	Client:	Aspect Consulting, LLC
Date Received:	07/24/19	Project:	Skanska NE8, PO 180587
Date Extracted:	07/25/19	Lab ID:	907411-09
Date Analyzed:	07/25/19	Data File:	072518.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	128 J	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	0.11	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	0.088
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	0.18 J ve
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005 J
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	0.40 J ve
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005 J
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005 J
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005 J
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005 J
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005 J
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	0.39 J ve
Benzene	<0.003	sec-Butylbenzene	0.31 J ve
Trichloroethene	<0.003	p-Isopropyltoluene	0.27 J ve
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005 J
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005 J
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005 J
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05 J
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025 J
Toluene	<0.005	Hexachlorobutadiene	<0.025 J
trans-1,3-Dichloropropene	<0.005	Naphthalene	0.15 J ve
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025 J
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-05-50.0	Client:	Aspect Consulting, LLC
Date Received:	07/24/19	Project:	Skanska NE8, PO 180587
Date Extracted:	07/31/19	Lab ID:	907411-13
Date Analyzed:	07/31/19	Data File:	073115.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05 ca	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-06-2.5	Client:	Aspect Consulting, LLC
Date Received:	07/24/19	Project:	Skanska NE8, PO 180587
Date Extracted:	07/25/19	Lab ID:	907411-15
Date Analyzed:	07/25/19	Data File:	072520.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID: AB-06-40.0	Client: Aspect Consulting, LLC
Date Received: 07/24/19	Project: Skanska NE8, PO 180587
Date Extracted: 07/25/19	Lab ID: 907411-25
Date Analyzed: 07/25/19	Data File: 072521.D
Matrix: Soil	Instrument: GCMS9
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	50	150
Toluene-d8	96	50	150
4-Bromofluorobenzene	125	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	0.021
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	0.0059
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	0.013
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	0.069
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	0.066
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	0.031
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	0.051
Benzene	<0.003	sec-Butylbenzene	0.15
Trichloroethene	<0.003	p-Isopropyltoluene	0.040
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	0.056
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	AB-06-55.0	Client:	Aspect Consulting, LLC
Date Received:	07/24/19	Project:	Skanska NE8, PO 180587
Date Extracted:	07/25/19	Lab ID:	907411-28
Date Analyzed:	07/25/19	Data File:	072522.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	97	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8, PO 180587
Date Extracted:	07/25/19	Lab ID:	09-1696 mb
Date Analyzed:	07/25/19	Data File:	072511.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.05	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: AB-05-20.0	Client: Aspect Consulting, LLC
Date Received: 07/24/19	Project: Skanska NE8, PO 180587
Date Extracted: 07/31/19	Lab ID: 907411-07
Date Analyzed: 07/31/19	Data File: 073119.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	145
Toluene-d8	100	55	145
4-Bromofluorobenzene	98	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	0.060
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	0.060
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	0.12
Trichloroethene	<0.02	p-Isopropyltoluene	0.086
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	0.093
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: AB-05-30.0	Client: Aspect Consulting, LLC
Date Received: 07/24/19	Project: Skanska NE8, PO 180587
Date Extracted: 07/31/19	Lab ID: 907411-09
Date Analyzed: 07/31/19	Data File: 073120.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: MS/AEN

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	145
Toluene-d8	102	55	145
4-Bromofluorobenzene	103	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	0.39	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	0.50
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	0.63
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	1.6
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	1.8
Benzene	<0.03	sec-Butylbenzene	1.4
Trichloroethene	<0.02	p-Isopropyltoluene	1.3
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	1.3
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska NE8, PO 180587
Date Extracted:	07/31/19	Lab ID:	09-1706 mb
Date Analyzed:	07/31/19	Data File:	073113.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS/AEN

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

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 907411-07 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	21	36	53 a

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	100	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

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

Laboratory Code: 907411-07 (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	82	94	73-135	14

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	92	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 907428-01 x5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	5.60	97	98	75-125	1
Barium	mg/kg (ppm)	50	180	138 b	84 b	75-125	49 b
Cadmium	mg/kg (ppm)	10	<5	97	93	75-125	4
Chromium	mg/kg (ppm)	50	16.1	87	84	75-125	4
Lead	mg/kg (ppm)	50	93.4	128 b	88 b	75-125	37 b
Mercury	mg/kg (ppm)	5	<5	100	95	75-125	5
Selenium	mg/kg (ppm)	5	<5	77	76	75-125	1
Silver	mg/kg (ppm)	10	<25	94	92	75-125	2

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	104	80-120
Barium	mg/kg (ppm)	50	95	80-120
Cadmium	mg/kg (ppm)	10	99	80-120
Chromium	mg/kg (ppm)	50	100	80-120
Lead	mg/kg (ppm)	50	105	80-120
Mercury	mg/kg (ppm)	5	104	80-120
Selenium	mg/kg (ppm)	5	112	80-120
Silver	mg/kg (ppm)	10	106	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270D SIM**

Laboratory Code: 907401-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	<0.01	78	44-129
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	80	52-121
Acenaphthene	mg/kg (ppm)	0.17	<0.01	79	51-123
Fluorene	mg/kg (ppm)	0.17	<0.01	80	37-137
Phenanthrene	mg/kg (ppm)	0.17	<0.01	81	34-141
Anthracene	mg/kg (ppm)	0.17	<0.01	78	32-124
Fluoranthene	mg/kg (ppm)	0.17	<0.01	83	16-160
Pyrene	mg/kg (ppm)	0.17	<0.01	78	10-180
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	84	23-144
Chrysene	mg/kg (ppm)	0.17	<0.01	83	32-149
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	87	23-176
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	87	42-139
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	81	21-163
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	75	23-170
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	75	31-146
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	71	37-133

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCS/D	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	84	85	58-121	1
Acenaphthylene	mg/kg (ppm)	0.17	85	86	54-121	1
Acenaphthene	mg/kg (ppm)	0.17	85	86	54-123	1
Fluorene	mg/kg (ppm)	0.17	85	87	56-127	2
Phenanthrene	mg/kg (ppm)	0.17	86	86	55-122	0
Anthracene	mg/kg (ppm)	0.17	85	86	50-120	1
Fluoranthene	mg/kg (ppm)	0.17	89	87	54-129	2
Pyrene	mg/kg (ppm)	0.17	86	92	53-127	7
Benz(a)anthracene	mg/kg (ppm)	0.17	91	92	51-115	1
Chrysene	mg/kg (ppm)	0.17	90	91	55-129	1
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	84	85	56-123	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	87	87	54-131	0
Benzo(a)pyrene	mg/kg (ppm)	0.17	81	81	51-118	0
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	85	89	49-148	5
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	86	89	50-141	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	83	86	52-131	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCS/D	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	99	103	43-162	4
Chloromethane	mg/kg (ppm)	0.05	98	102	58-137	4
Vinyl chloride	mg/kg (ppm)	0.05	102	106	60-136	4
Bromomethane	mg/kg (ppm)	0.05	105	105	67-138	0
Chloroethane	mg/kg (ppm)	0.05	100	103	65-132	3
Trichlorofluoromethane	mg/kg (ppm)	0.05	102	107	66-133	5
Acetone	mg/kg (ppm)	0.25	97	107	64-132	10
1,1-Dichloroethene	mg/kg (ppm)	0.05	99	108	70-130	9
Hexane	mg/kg (ppm)	0.05	97	105	70-130	8
Methylene chloride	mg/kg (ppm)	0.05	131	136	52-150	4
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	103	106	70-130	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	103	108	70-130	5
1,1-Dichloroethane	mg/kg (ppm)	0.05	101	105	70-130	4
2,2-Dichloropropane	mg/kg (ppm)	0.05	107	112	70-130	5
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	102	108	70-130	6
Chloroform	mg/kg (ppm)	0.05	102	106	70-130	4
2-Butanone (MEK)	mg/kg (ppm)	0.25	95	104	70-130	9
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	98	102	70-130	4
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	104	110	70-130	6
1,1-Dichloropropene	mg/kg (ppm)	0.05	101	108	70-130	7
Carbon tetrachloride	mg/kg (ppm)	0.05	105	112	70-130	6
Benzene	mg/kg (ppm)	0.05	101	105	70-130	4
Trichloroethene	mg/kg (ppm)	0.05	102	106	70-130	4
1,2-Dichloropropane	mg/kg (ppm)	0.05	103	108	70-130	5
Bromodichloromethane	mg/kg (ppm)	0.05	103	108	70-130	5
Dibromomethane	mg/kg (ppm)	0.05	103	109	70-130	6
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	98	104	70-130	6
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	104	108	70-130	4
Toluene	mg/kg (ppm)	0.05	100	106	70-130	6
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	105	109	70-130	4
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	101	104	70-130	3
2-Hexanone	mg/kg (ppm)	0.25	94	100	19-174	6
1,3-Dichloropropane	mg/kg (ppm)	0.05	100	103	70-130	3
Tetrachloroethene	mg/kg (ppm)	0.05	101	109	70-130	8
Dibromochloromethane	mg/kg (ppm)	0.05	108	112	70-130	4
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	102	106	70-130	4
Chlorobenzene	mg/kg (ppm)	0.05	100	105	70-130	5
Ethylbenzene	mg/kg (ppm)	0.05	101	107	70-130	6
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	107	111	70-130	4
m,p-Xylene	mg/kg (ppm)	0.1	103	108	70-130	5
o-Xylene	mg/kg (ppm)	0.05	103	107	70-130	4
Styrene	mg/kg (ppm)	0.05	104	108	70-130	4
Isopropylbenzene	mg/kg (ppm)	0.05	105	110	70-130	5
Bromoform	mg/kg (ppm)	0.05	104	111	70-130	7
n-Propylbenzene	mg/kg (ppm)	0.05	102	107	70-130	5
Bromobenzene	mg/kg (ppm)	0.05	100	105	70-130	5
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	104	109	70-130	5
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	100	104	70-130	4
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	96	101	70-130	5
2-Chlorotoluene	mg/kg (ppm)	0.05	103	107	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	101	105	70-130	4
tert-Butylbenzene	mg/kg (ppm)	0.05	105	109	70-130	4
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	102	106	70-130	4
sec-Butylbenzene	mg/kg (ppm)	0.05	106	109	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	106	110	70-130	4
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	102	106	70-130	4
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	100	104	70-130	4
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	101	103	70-130	2
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	100	105	70-130	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	109	106	46-143	3
Hexachlorobutadiene	mg/kg (ppm)	0.05	112	109	70-130	3
Naphthalene	mg/kg (ppm)	0.05	104	102	70-130	2
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	109	105	65-131	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

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

Laboratory Code: 907557-01 (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	18	18	10-142	0
Chloromethane	mg/kg (ppm)	2.5	<0.5	44	41	10-126	7
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	47	44	10-138	7
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	55	10-163	4
Chloroethane	mg/kg (ppm)	2.5	<0.5	60	55	10-176	9
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	57	53	10-176	7
Acetone	mg/kg (ppm)	12.5	<0.5	109	100	10-163	9
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	65	61	10-160	6
Hexane	mg/kg (ppm)	2.5	<0.25	52	48	10-137	8
Methylene chloride	mg/kg (ppm)	2.5	<0.5	80	76	10-156	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	86	82	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	77	72	14-137	7
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	80	76	19-140	5
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	90	85	10-158	6
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	87	83	25-135	5
Chloroform	mg/kg (ppm)	2.5	<0.05	85	81	21-145	5
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	104	97	19-147	7
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	84	80	12-160	5
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	82	78	10-156	5
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	81	76	17-140	6
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	80	75	9-164	6
Benzene	mg/kg (ppm)	2.5	<0.03	82	78	29-129	5
Trichloroethene	mg/kg (ppm)	2.5	<0.02	82	78	21-139	5
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	86	82	30-135	5
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	88	84	23-155	5
Dibromomethane	mg/kg (ppm)	2.5	<0.05	91	87	23-145	4
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	99	93	24-155	6
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	92	87	28-144	6
Toluene	mg/kg (ppm)	2.5	<0.05	78	74	35-130	5
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	87	82	26-149	6
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	88	82	10-205	7
2-Hexanone	mg/kg (ppm)	12.5	<0.5	109	101	15-166	8
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	85	82	31-137	4
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	83	79	20-133	5
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	88	84	28-150	5
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	86	81	28-142	6
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	86	81	32-129	6
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	83	79	32-137	5
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	91	85	31-143	7
m,p-Xylene	mg/kg (ppm)	5	<0.1	86	81	34-136	6
o-Xylene	mg/kg (ppm)	2.5	<0.05	85	82	33-134	4
Styrene	mg/kg (ppm)	2.5	<0.05	88	84	35-137	5
Isopropylbenzene	mg/kg (ppm)	2.5	<0.05	88	84	31-142	5
Bromoform	mg/kg (ppm)	2.5	<0.05	91	85	21-156	7
n-Propylbenzene	mg/kg (ppm)	2.5	<0.05	85	81	23-146	5
Bromobenzene	mg/kg (ppm)	2.5	<0.05	86	81	34-130	6
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	85	82	18-149	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	90	86	28-140	5
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	87	82	25-144	6
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	85	81	31-134	5
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	85	81	31-136	5
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	86	83	30-137	4
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	86	84	23-145	2
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	87	84	21-149	4
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	87	82	30-131	6
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	83	80	29-129	4
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	86	83	31-132	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	91	85	11-161	7
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	90	86	22-142	5
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	90	87	10-142	3
Naphthalene	mg/kg (ppm)	2.5	<0.05	89	85	14-157	5
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	89	85	20-144	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/19

Date Received: 07/24/19

Project: Skanska NE8, PO 180587, F&BI 907411

**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	42	10-146
Chloromethane	mg/kg (ppm)	2.5	71	27-133
Vinyl chloride	mg/kg (ppm)	2.5	78	22-139
Bromomethane	mg/kg (ppm)	2.5	72	38-114
Chloroethane	mg/kg (ppm)	2.5	87	9-163
Trichlorofluoromethane	mg/kg (ppm)	2.5	92	10-196
Acetone	mg/kg (ppm)	12.5	103	52-141
1,1-Dichloroethene	mg/kg (ppm)	2.5	91	47-128
Hexane	mg/kg (ppm)	2.5	90	43-142
Methylene chloride	mg/kg (ppm)	2.5	104	42-132
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	102	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	101	67-129
1,1-Dichloroethane	mg/kg (ppm)	2.5	98	68-115
2,2-Dichloropropane	mg/kg (ppm)	2.5	115	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	105	72-127
Chloroform	mg/kg (ppm)	2.5	101	66-120
2-Butanone (MEK)	mg/kg (ppm)	12.5	104	72-127
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	94	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	102	62-131
1,1-Dichloropropene	mg/kg (ppm)	2.5	98	69-128
Carbon tetrachloride	mg/kg (ppm)	2.5	102	60-139
Benzene	mg/kg (ppm)	2.5	96	68-114
Trichloroethene	mg/kg (ppm)	2.5	96	64-117
1,2-Dichloropropane	mg/kg (ppm)	2.5	96	72-127
Bromodichloromethane	mg/kg (ppm)	2.5	98	72-130
Dibromomethane	mg/kg (ppm)	2.5	101	70-120
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	104	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	99	75-136
Toluene	mg/kg (ppm)	2.5	90	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	94	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	94	75-113
2-Hexanone	mg/kg (ppm)	12.5	104	33-152
1,3-Dichloropropane	mg/kg (ppm)	2.5	93	72-130
Tetrachloroethene	mg/kg (ppm)	2.5	98	72-114
Dibromochloromethane	mg/kg (ppm)	2.5	100	74-125
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	94	74-132
Chlorobenzene	mg/kg (ppm)	2.5	96	76-111
Ethylbenzene	mg/kg (ppm)	2.5	94	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	108	69-135
m,p-Xylene	mg/kg (ppm)	5	97	78-122
o-Xylene	mg/kg (ppm)	2.5	100	77-124
Styrene	mg/kg (ppm)	2.5	97	74-126
Isopropylbenzene	mg/kg (ppm)	2.5	102	76-127
Bromoform	mg/kg (ppm)	2.5	100	56-132
n-Propylbenzene	mg/kg (ppm)	2.5	98	74-124
Bromobenzene	mg/kg (ppm)	2.5	96	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	101	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	101	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	95	61-137
2-Chlorotoluene	mg/kg (ppm)	2.5	99	74-121
4-Chlorotoluene	mg/kg (ppm)	2.5	95	75-122
tert-Butylbenzene	mg/kg (ppm)	2.5	102	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	101	76-125
sec-Butylbenzene	mg/kg (ppm)	2.5	102	71-130
p-Isopropyltoluene	mg/kg (ppm)	2.5	102	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	98	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	93	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	100	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	104	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	109	64-135
Hexachlorobutadiene	mg/kg (ppm)	2.5	108	50-153
Naphthalene	mg/kg (ppm)	2.5	107	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	109	63-138

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

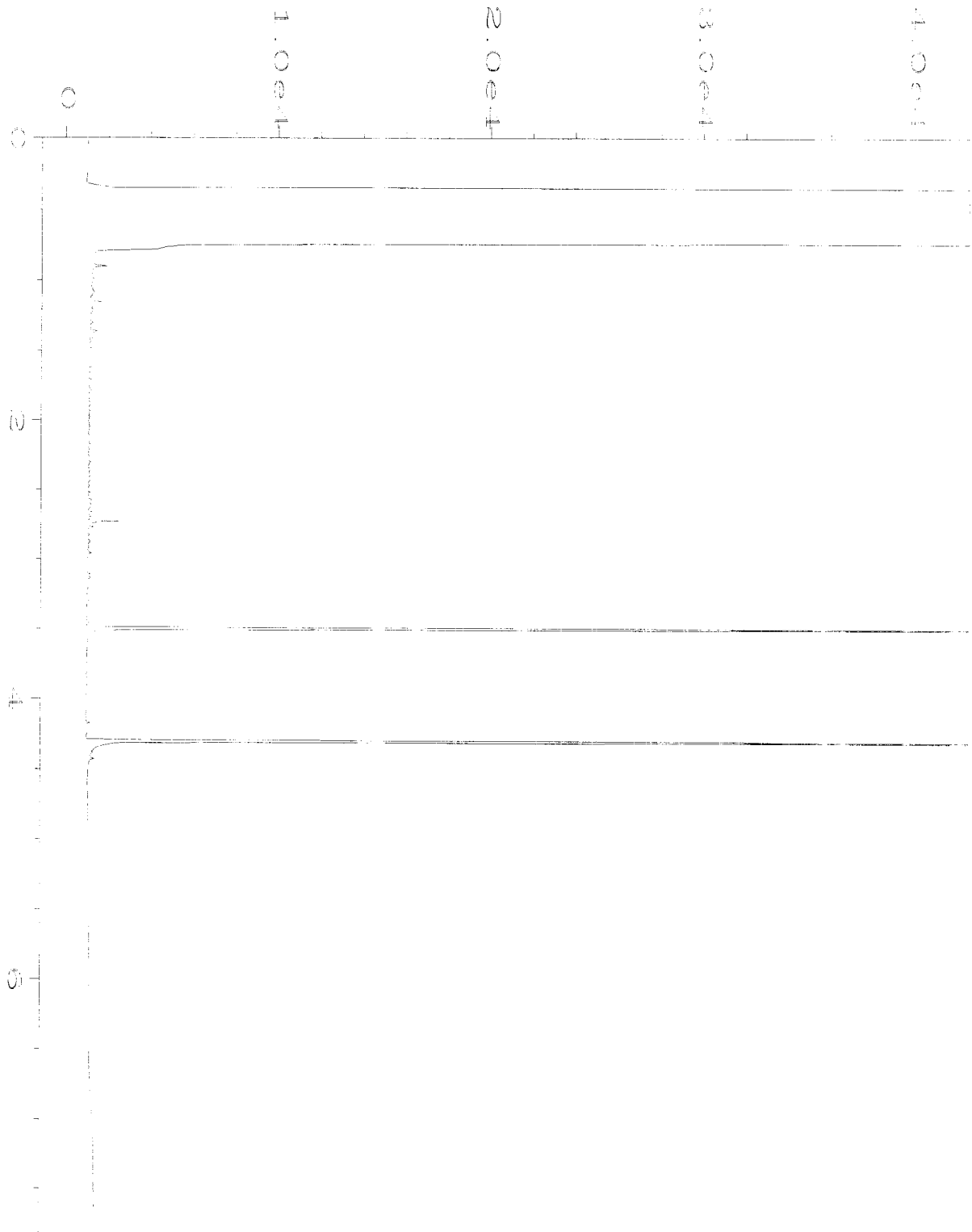
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

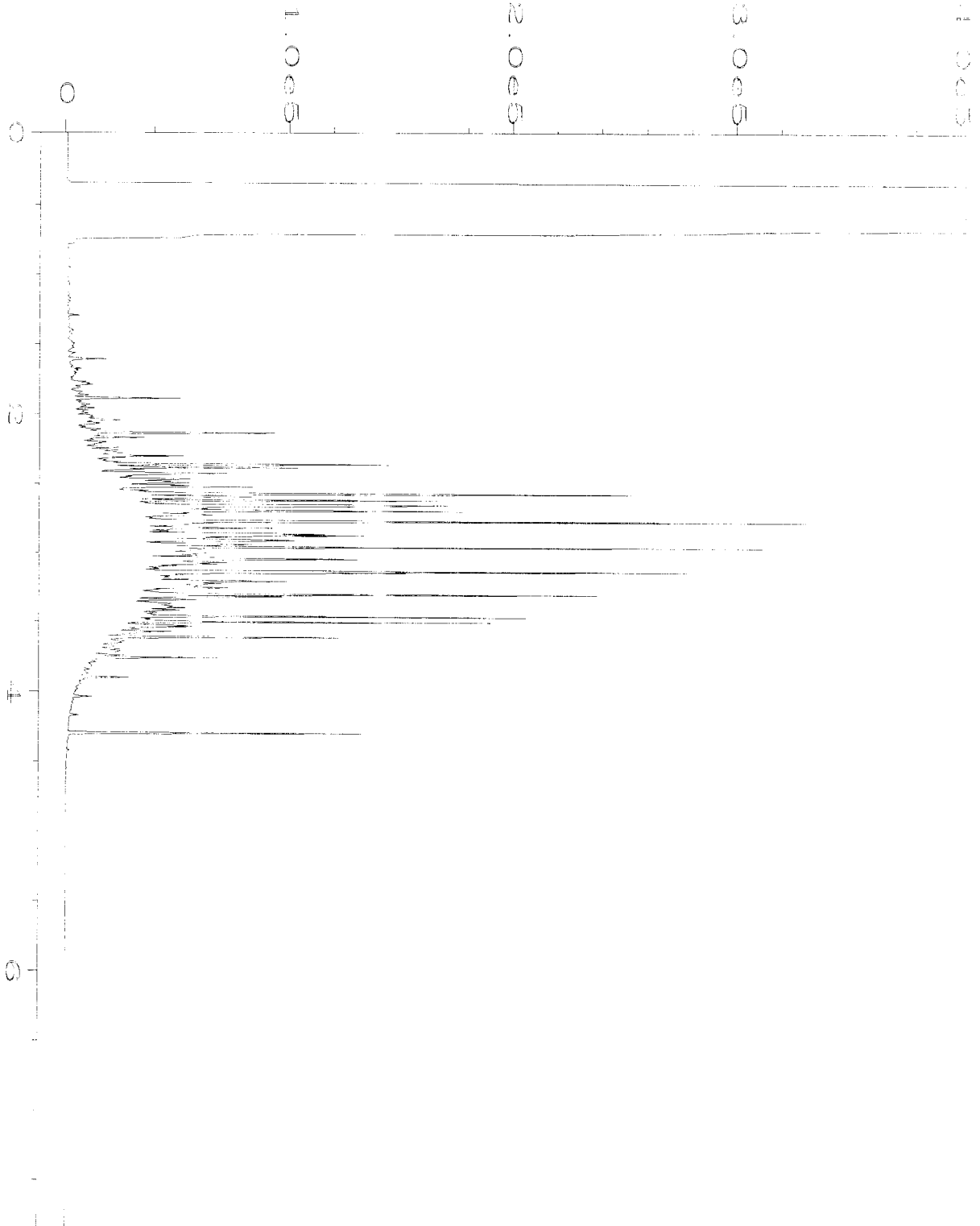
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

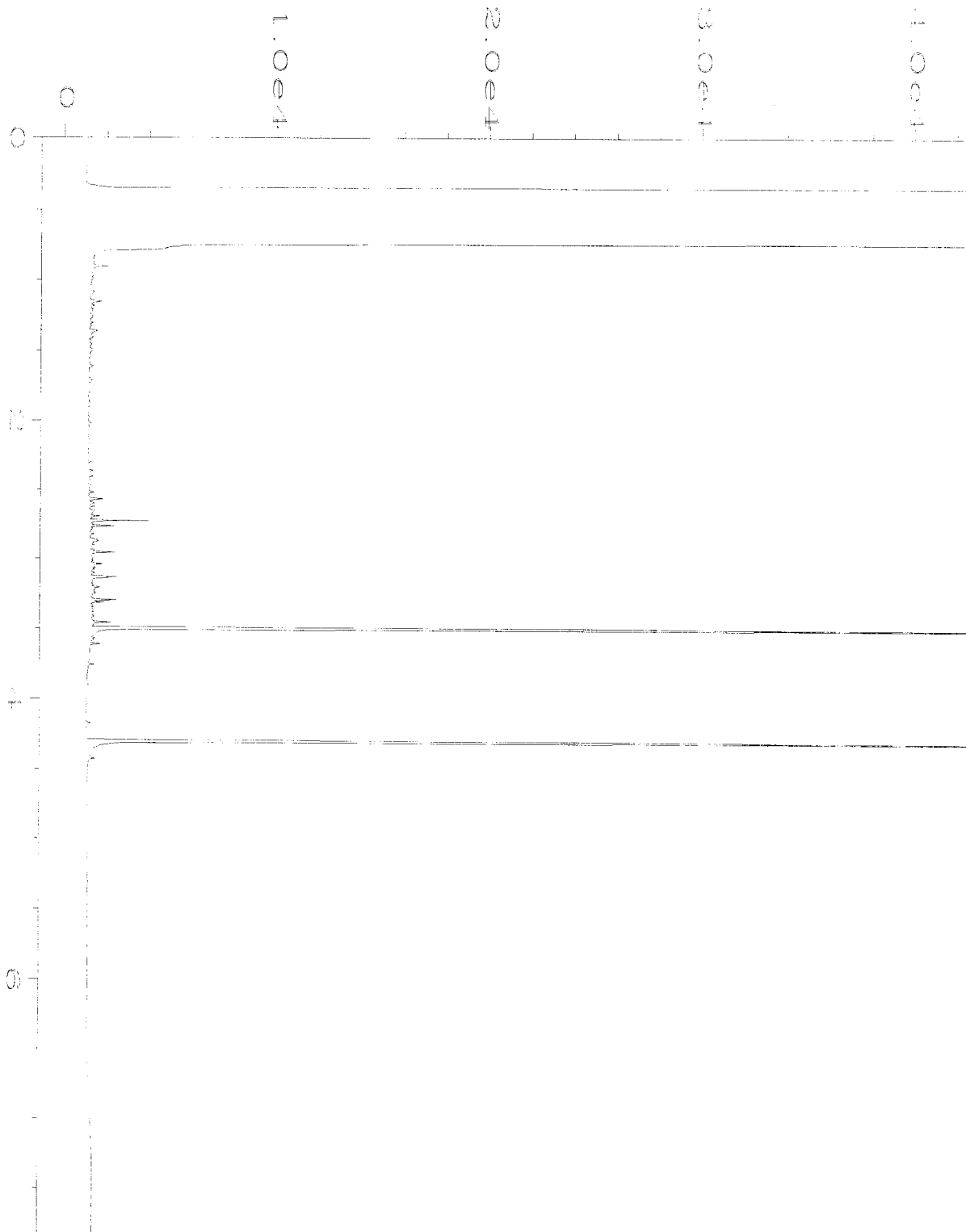
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



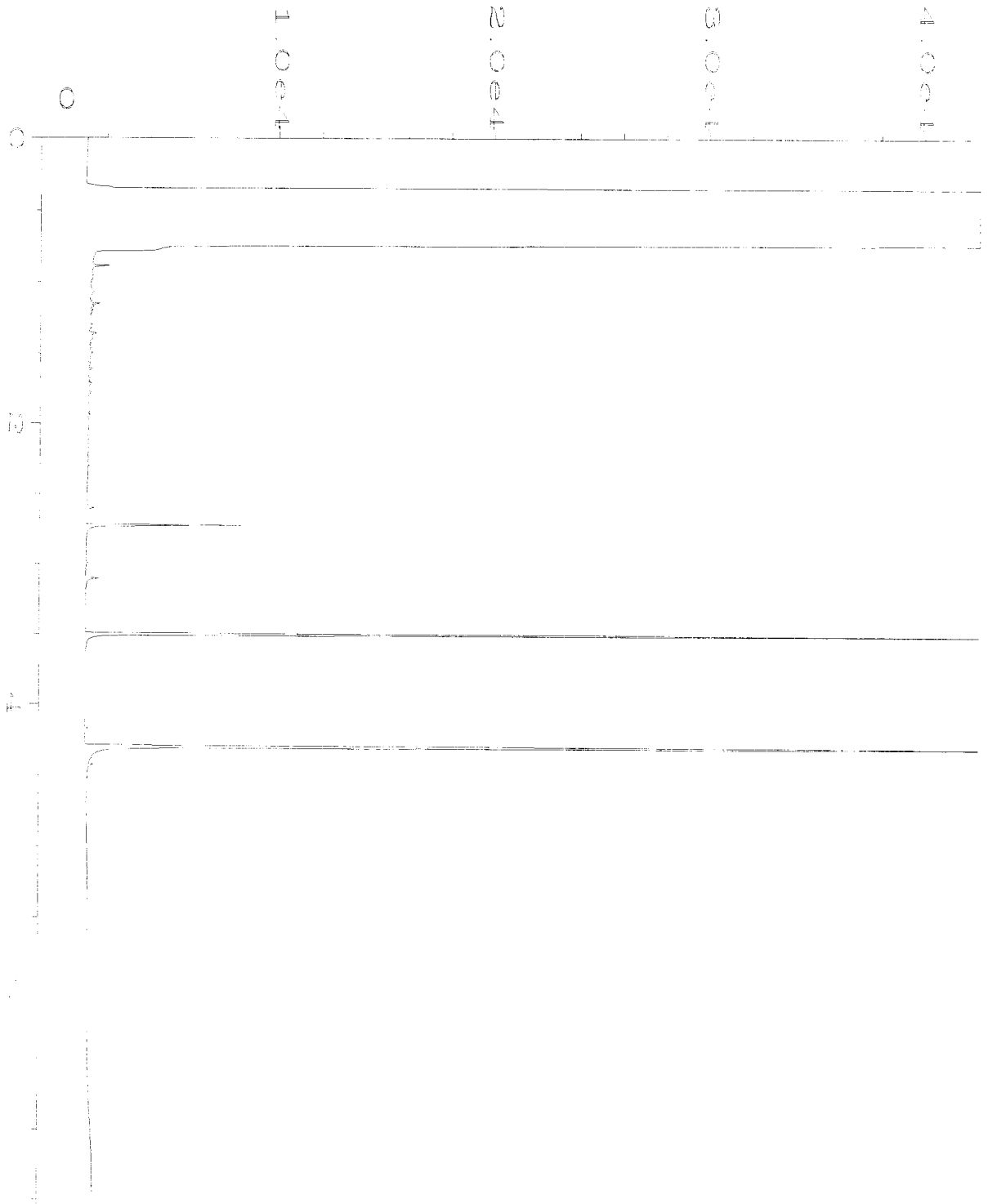
Data File Name	: C:\HPCHEM\4\DATA\07-26-19\019F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 19
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907411-07	Sequence Line	: 4
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 01:41 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:16 AM		



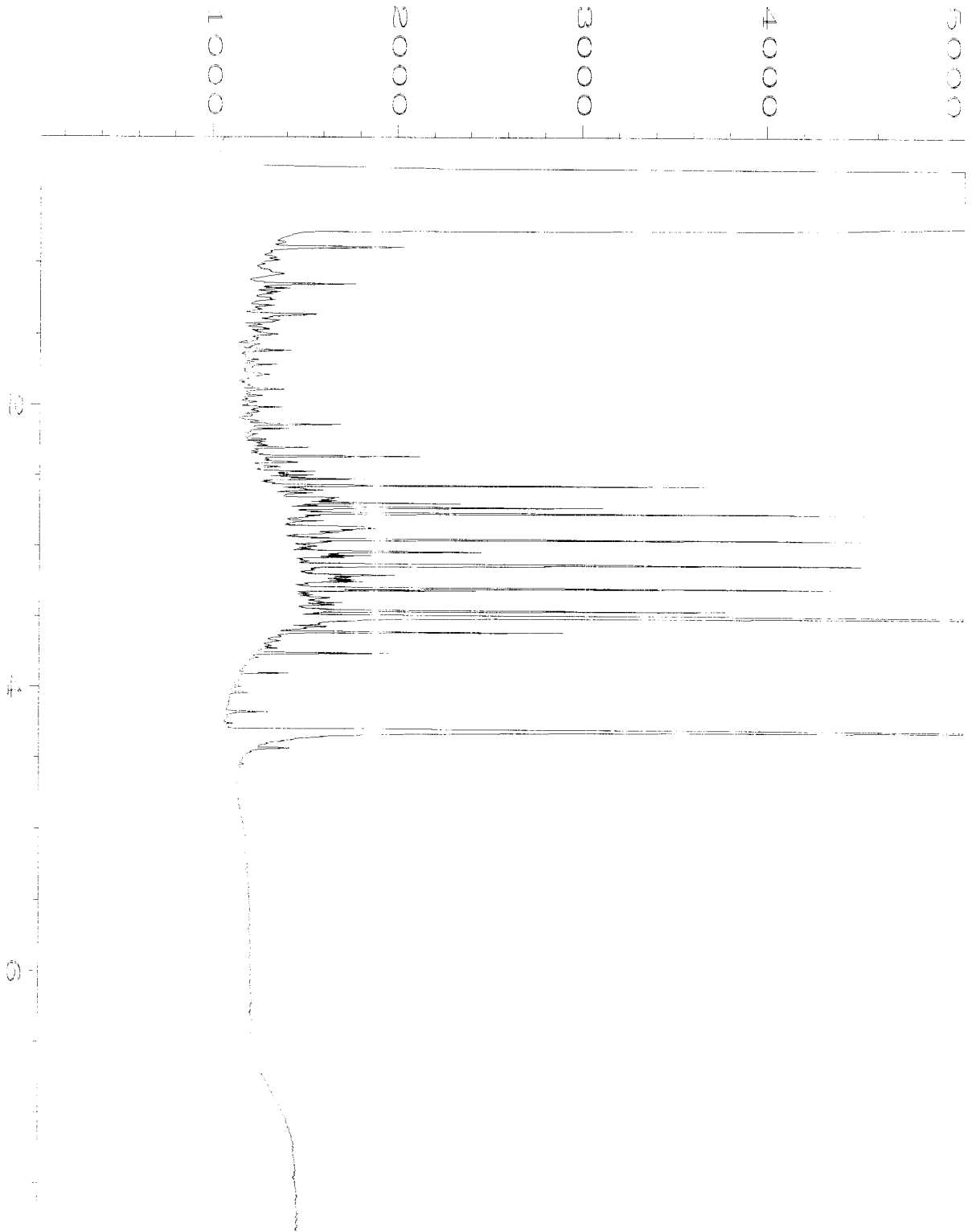
Data File Name	: C:\HPCHEM\4\DATA\07-26-19\020F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 20
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907411-09	Sequence Line	: 4
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 01:54 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:17 AM		



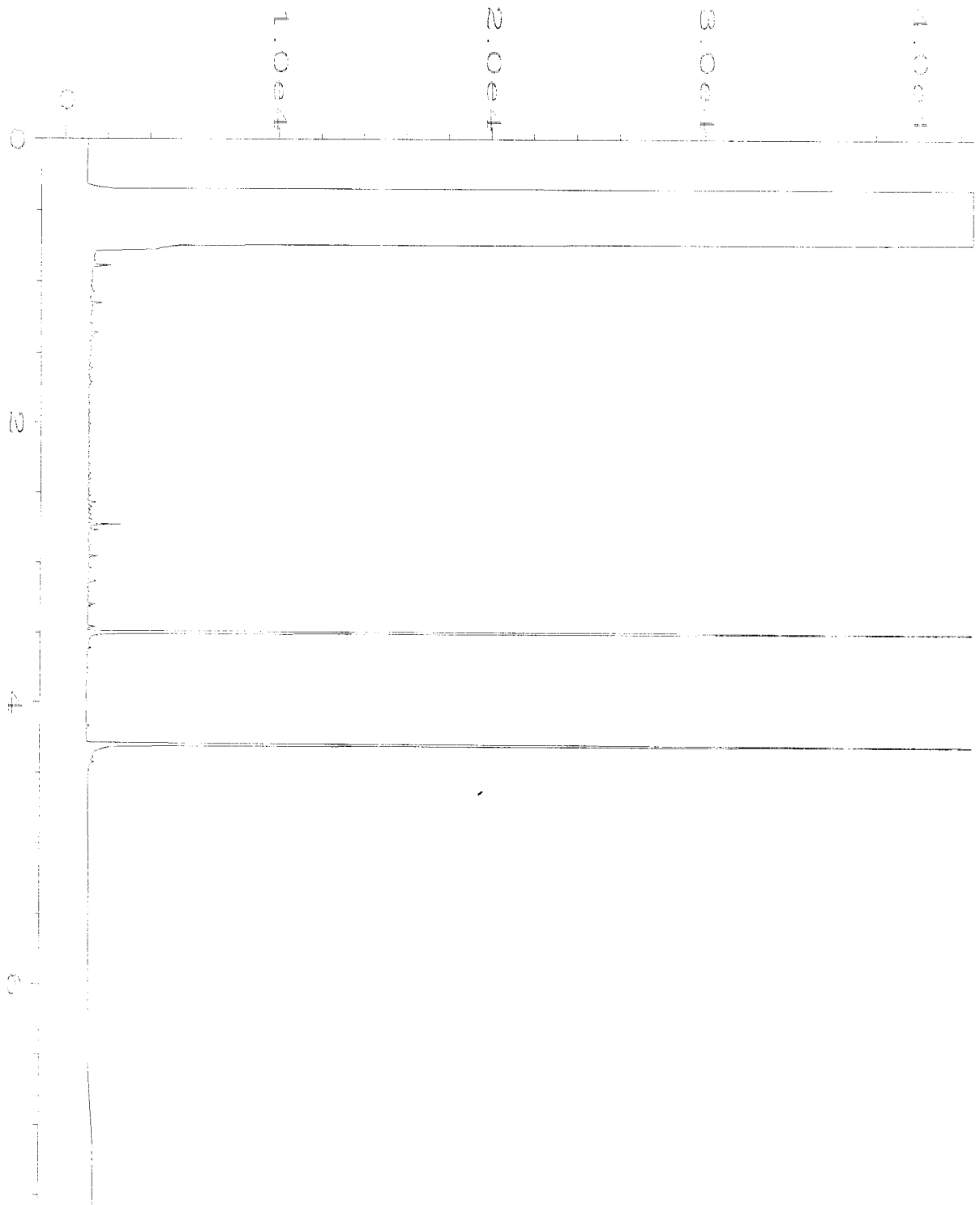
Data File Name	: C:\HPCHEM\4\DATA\07-26-19\021F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 21
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907411-13	Sequence Line	: 4
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 02:07 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:17 AM		



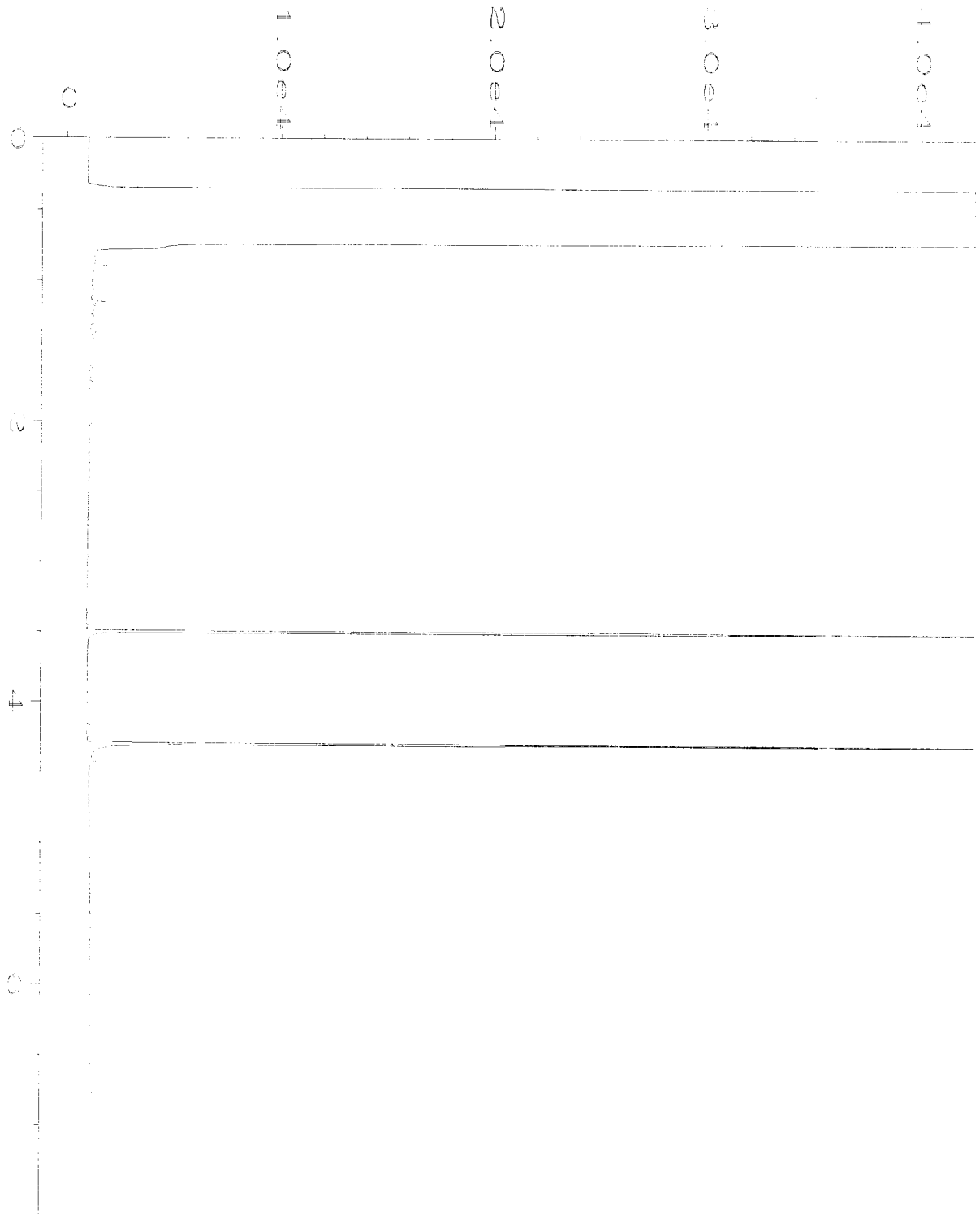
Data File Name	: C:\BPCHEM\4\DATA\07-26-19\022F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 22
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907411-15	Sequence Line	: 4
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 02:19 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:17 AM		



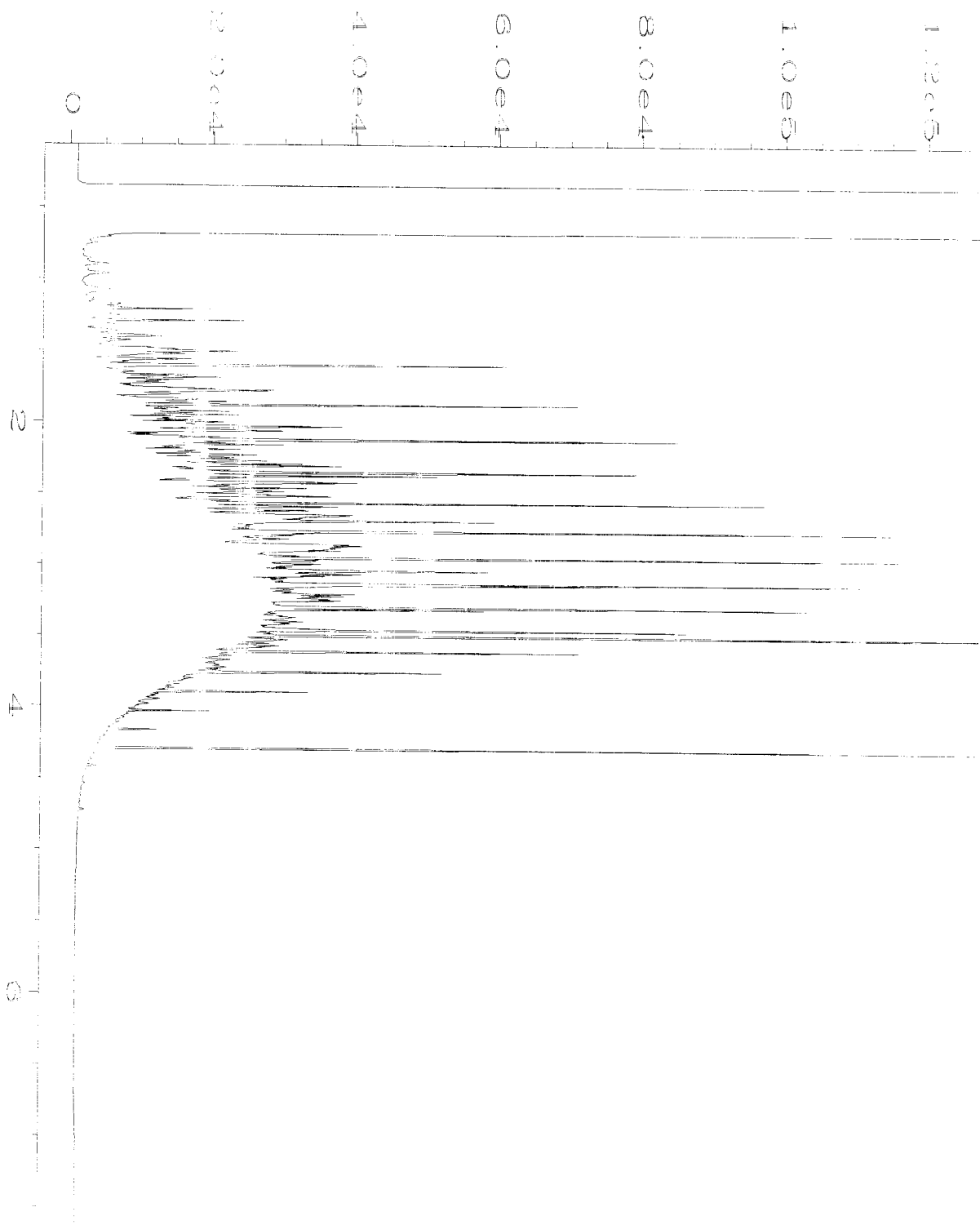
Data File Name	: C:\HPCHEM\4\DATA\07-26-19\023F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 23
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907411-25	Sequence Line	: 4
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 02:32 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:17 AM		



Data File Name	: C:\HPCHEM\4\DATA\07-26-19\024F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 24
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 907411-28	Sequence Line	: 4
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 02:45 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:17 AM		



Data File Name	: C:\RPCHEM\4\DATA\07-26-19\015F0401.D	Page Number	: 1
Operator	: TL	Vial Number	: 15
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 09-1801 mb	Sequence Line	: 4
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 26 Jul 19 12:51 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:16 AM		



Data File Name	: C:\HPCHEM\4\DATA\07-26-19\C03F0201.D	Page Number	: 1
Operator	: TL	Vial Number	: 3
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 500 Dx 57-78E	Sequence Line	: 2
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 26 Jul 19 06:38 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	29 Jul 19 10:16 AM		

907411

SAMPLE CHAIN OF CUSTODY ME 07-24-19

Page # 1 of 3

Report to: Jessica Smith & Al Lacharme

Company: Aspect Consulting

Address: 710 2nd Ave Suite 550

City, State, ZIP: Seattle, WA 98104

Phone: _____ Email: _____

SAMPLERS (signature) [Signature]

PROJECT NAME

Stanska NES

PO #

18577

REMARKS

Please hold

INVOICE TO

Acct payable

TURNAROUND TIME

Standard Turnaround
 RUSH
Rush charges authorized by: _____

SAMPLE DISPOSAL

Dispose after 30 days
 Archive Samples
 Other _____

ANALYSES REQUESTED

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
AB-05-2.5	01AE	7.23.19	1001	Soil	5								
AB-05-5.0	02		1010										
AB-05-7.5	03		1015										
AB-05-10.0	04		1024										
AB-05-12.5	05		1031										
AB-05-15.0	06		1044										
AB-05-20.0	07		1057			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
AB-05-25.0	08		1021										
AB-05-30.0	09		1154			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			
AB-05-35.0	10		1211										

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>[Signature]</u>	<u>Kristin Beck</u>	<u>Aspect</u>	<u>7/24/19</u>			
Received by: <u>[Signature]</u>	<u>[Signature]</u>	<u>Nhan Phan</u>	<u>FEBI</u>	<u>7/24/19</u>	<u>0735</u>		
Relinquished by:							
Received by:							

Samples received at 3 °C

907411

SAMPLE CHAIN OF CUSTODY NE 07-24-19

Page # 2 of 3 of 102

Report To Priscilla Smith ATTChevron

Company Aspect Consulting

Address _____
City, State, ZIP _____
Phone _____ Email _____

SAMPLERS (signature) Kathleen Beck
PROJECT NAME Skanska NE8
PO # 180587

REMARKS Please hold
INVOICE TO _____

TURNAROUND TIME
 Standard Turnaround
 RUSH
Rush charges authorized by: _____
SAMPLE DISPOSAL
 Dispose after 30 days
 Archive Samples
 Other _____

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes	
						TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM		PCRA 8 metals
AB-05-40.0	11AE	7.23.19	1333	Soil	5									
AB-05-45.0	12T		1410											
AB-05-50.0	13		1441			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>				
AB-05-55.0	14		1506											
AB-06-2.5	15	7.22.19	1015			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>			
AB-06-5.0	16		1027											
AB-06-7.5	17		1035											
AB-06-10.0	18		1044											
AB-06-12.5	19		1052											
AB-06-15.0	20		1124											

Samples received at 3 °C

Friedman & Bryna, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>Kathleen Beck</u>		<u>Kathleen Beck</u>		<u>Aspect</u>		<u>7/24/19</u>	
Received by: <u>Michelle Adams</u>		<u>Michelle Adams</u>		<u>FBI</u>		<u>7/24/19</u>	<u>0935</u>
Relinquished by:							
Received by:							

907411

SAMPLE CHAIN OF CUSTODY

ME 07-24-19

Page # 3 of 3
305/112

Report To: Jessica Smith & Ari Cochran

Company: Aspect Consulting

Address: 710 2nd Ave Suite 500

City, State, ZIP

Phone

Email

SAMPLERS (signature) Karl Beck

PROJECT NAME

Stanska NES

PO #

180587

REMARKS

Please hold

INVOICE TO

Aspects payable

TURNAROUND TIME
 Standard Turnaround
 RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
 Dispose after 30 days
 Archive Samples
 Other

ANALYSES REQUESTED

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
AB-06-20.0	21AE	7.22.19	1414	Soil	5								
AB-06-25.0	22T		1425										
AB-06-30.0	23		1442										
AB-06-35.0	24		1515										
AB-06-40.0	25		1531			<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>		
AB-06-45.0	26		1603										
AB-06-50.0	27		1625			<input type="checkbox"/>	<input type="checkbox"/>						
AB-06-55.0	28		1651			<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>			Samples received at 3:00

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>Karl Beck</u>	<u>Karl Beck</u>	<u>Aspect</u>	<u>7.24.19</u>	
Received by: <u>MMW/MS</u>	<u>MMW/MS</u>	<u>FBI</u>	<u>7/24/19</u>	<u>0735</u>
Relinquished by:				
Received by:				

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

May 21, 2020

Ali Cochrane, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Cochrane:

Included are the results from the testing of material submitted on May 11, 2020 from the Skanska 180587, F&BI 005126 project. There are 19 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Jessica Smith
ASP0521R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 11, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska 180587, F&BI 005126 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
005126 -01	AB-16-2.5
005126 -02	AB-16-5.0
005126 -03	AB-16-7.5
005126 -04	AB-16-10.0
005126 -05	AB-16-12.5
005126 -06	AB-16-15.0
005126 -07	AB-16-17.5
005126 -08	AB-16-20
005126 -09	AB-16-22.5
005126 -10	AB-16-25
005126 -11	AB-16-27.5
005126 -12	AB-16-30
005126 -13	AB-16-35
005126 -14	AB-16-40
005126 -15	AB-17-2.5
005126 -16	AB-17-5
005126 -17	AB-17-7.5
005126 -18	AB-17-10
005126 -19	AB-17-12.5
005126 -20	AB-17-15
005126 -21	AB-17-20
005126 -22	AB-17-25
005126 -23	AB-17-30
005126 -24	AB-17-35
005126 -25	AB-17-40
005126 -26	AB-18-2.5
005126 -27	AB-18-5
005126 -28	AB-18-7.5
005126 -29	AB-18-10
005126 -30	AB-18-12.5
005126 -31	AB-18-15
005126 -32	AB-18-20
005126 -33	AB-18-25
005126 -34	AB-18-30
005126 -35	AB-18-35
005126 -36	AB-18-40

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE (continued)

Methylene chloride was detected in the 8260D analysis of sample AB-17-35. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20
Date Received: 05/11/20
Project: Skanska 180587, F&BI 005126
Date Extracted: 05/13/20
Date Analyzed: 05/14/20

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
AB-17-10 005126-18 1/5	170	124
AB-17-15 005126-20	<5	99
AB-18-10 005126-29	<5	103
Method Blank 00-884 MB	<5	93

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20
Date Received: 05/11/20
Project: Skanska 180587, F&BI 005126
Date Extracted: 05/13/20
Date Analyzed: 05/13/20

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
AB-17-10 005126-18	2,300	<250	100
AB-17-15 005126-20	<50	<250	91
AB-18-10 005126-29	<50	<250	87
Method Blank 00-1085 MB	<50	<250	84

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-16-27.5	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-11
Date Analyzed:	05/14/20	Data File:	051430.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-16-35	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-13
Date Analyzed:	05/14/20	Data File:	051432.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	105	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-17-5	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-16
Date Analyzed:	05/14/20	Data File:	051433.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-17-15	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-20
Date Analyzed:	05/14/20	Data File:	051434.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-17-25	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-22
Date Analyzed:	05/14/20	Data File:	051435.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	108	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-17-35	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-24
Date Analyzed:	05/14/20	Data File:	051436.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.053 lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-18-5	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-27
Date Analyzed:	05/14/20	Data File:	051437.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-18-15	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-31
Date Analyzed:	05/14/20	Data File:	051438.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-18-25	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-33
Date Analyzed:	05/14/20	Data File:	051439.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-18-35	Client:	Aspect Consulting, LLC
Date Received:	05/11/20	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	005126-35
Date Analyzed:	05/14/20	Data File:	051440.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	97	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005126
Date Extracted:	05/14/20	Lab ID:	00-1059 mb
Date Analyzed:	05/14/20	Data File:	051426.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20

Date Received: 05/11/20

Project: Skanska 180587, F&BI 005126

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 005142-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	100	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20

Date Received: 05/11/20

Project: Skanska 180587, F&BI 005126

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

Laboratory Code: 005146-01 (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	110	98	64-133	12

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	106	58-147

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20

Date Received: 05/11/20

Project: Skanska 180587, F&BI 005126

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 005126-11 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm

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)	0.05	111	101	50-158	9
Chloroethane	mg/kg (ppm)	0.05	105	100	48-179	5
1,1-Dichloroethene	mg/kg (ppm)	0.05	104	97	63-144	7
Methylene chloride	mg/kg (ppm)	0.05	99	96	17-179	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	108	101	70-130	7
1,1-Dichloroethane	mg/kg (ppm)	0.05	108	104	70-130	4
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	107	104	70-130	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	106	103	69-137	3
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	110	103	71-140	7
Trichloroethene	mg/kg (ppm)	0.05	106	100	70-130	6
Tetrachloroethene	mg/kg (ppm)	0.05	103	99	35-176	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

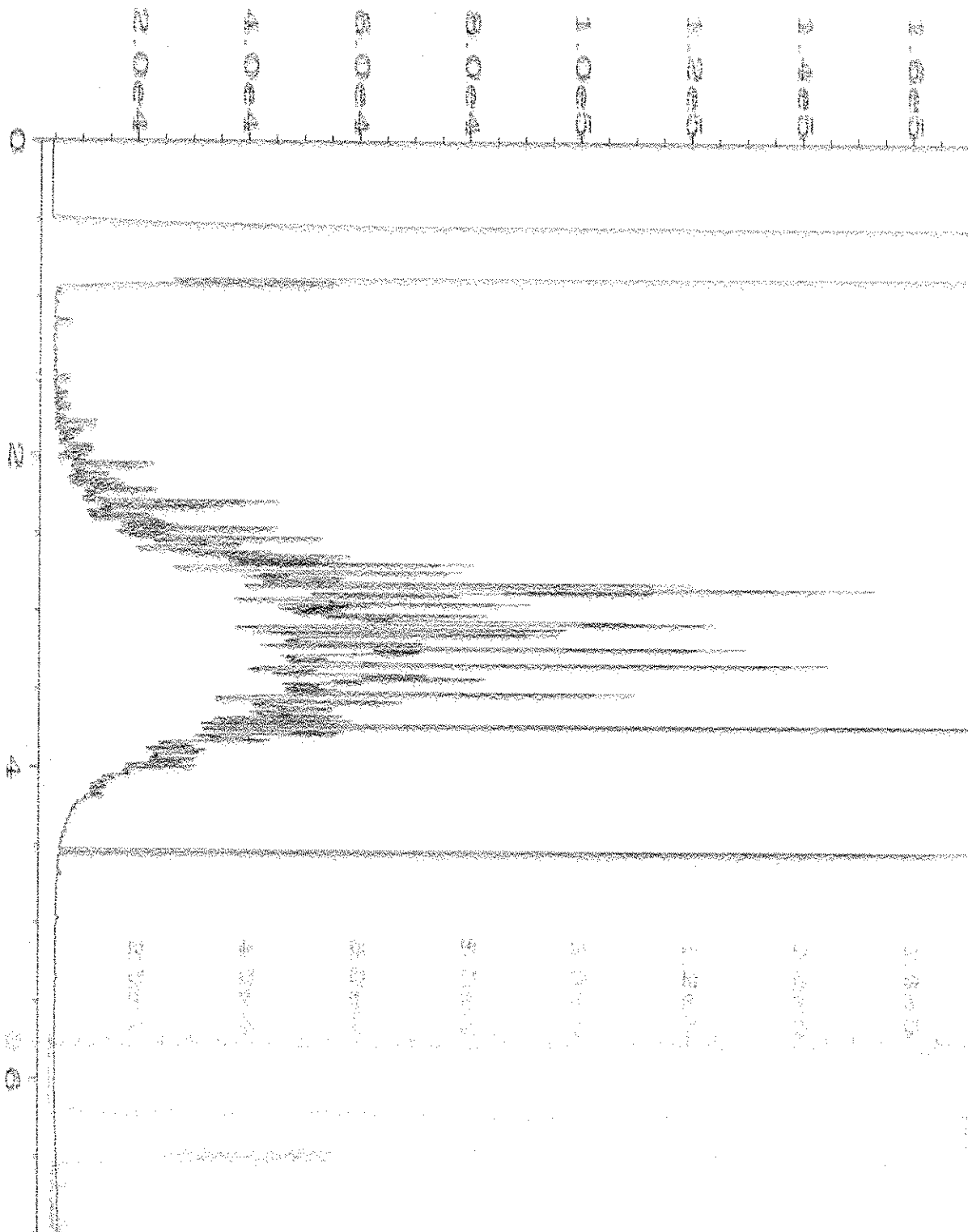
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

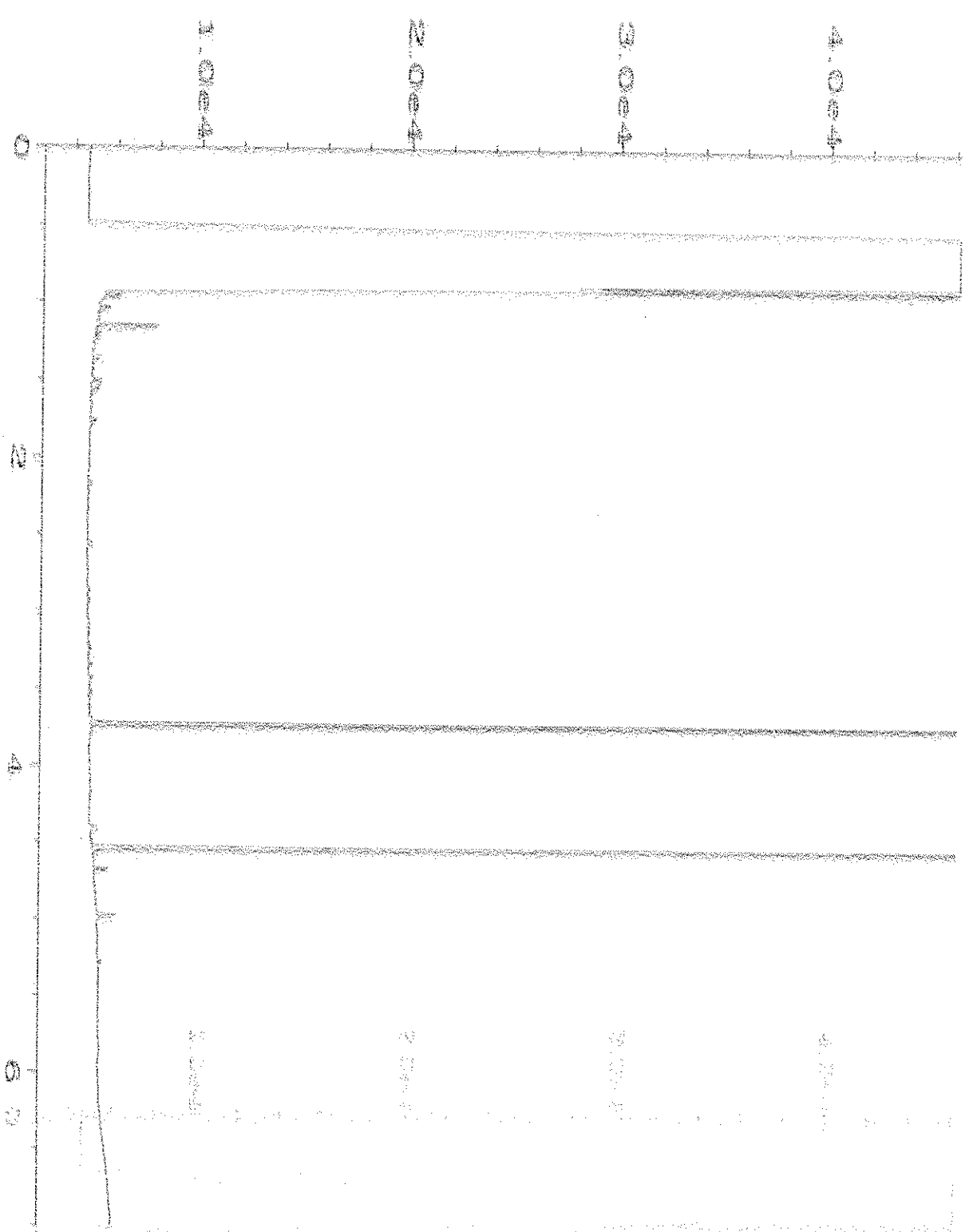
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

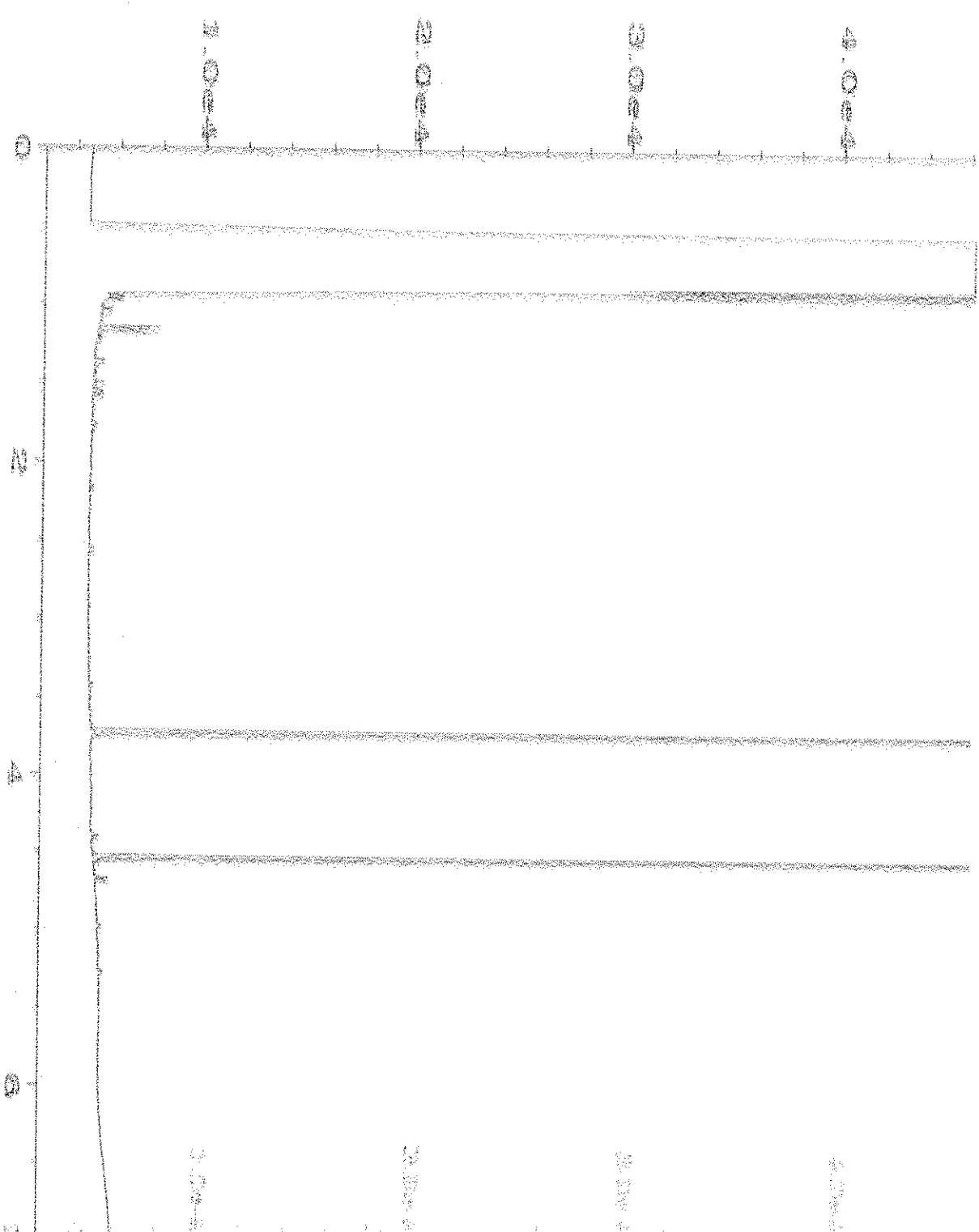
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\6\DATA\05-13-20\022F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 22
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005126-18	Sequence Line	: 5
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 13 May 20 12:41 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 06:59 AM		



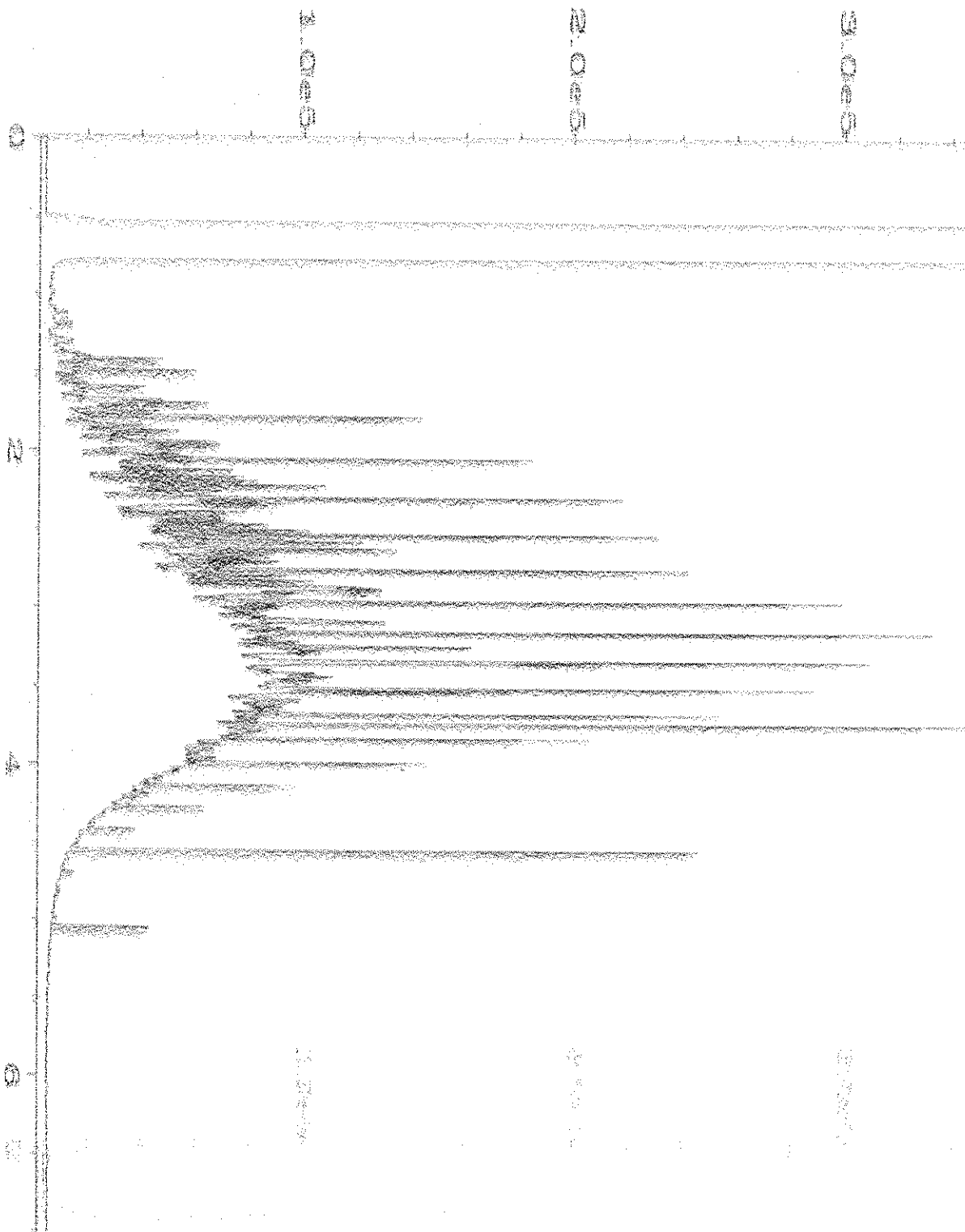
Data File Name	: C:\HPCHEM\6\DATA\05-13-20\023F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 23
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005126-20	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 12:52 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 06:59 AM		



Data File Name : C:\NPCHEM\6\DATA\05-13-20\024F0501.D
Operator : TL
Instrument : GC6
Sample Name : 005126-29
Run Time Bar Code :
Acquired on : 13 May 20 01:03 PM
Report Created on: 14 May 20 06:59 AM
Page Number : 1
Vial Number : 24
Injection Number : 1
Sequence Line : 5
Instrument Method: DX.MTH
Analysis Method : DEFAULT.MTH

10000 20000 30000 40000

Data File Name : C:\HPCHEM\6\DATA\05-13-20\609F0501.D
Operator : TL Page Number : 1
Instrument : GC6 Vial Number : 9
Sample Name : 00-1085 mb Injection Number : 1
Run Time Bar Code: Sequence Line : 5
Acquired on : 13 May 20 10:13 AM Instrument Method: DX.MTH
Report Created on: 14 May 20 06:59 AM Analysis Method : DEFAULT.MTH



Data File Name	: C:\HPCHEM\6\DATA\05-13-20\005F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC6	Injection Number	: 1
Sample Name	: 1000 Dx 59-162B	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 02:17 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 06:59 AM		

SAMPLE CHAIN OF CUSTODY

8 025 126

ME 05-11-20

VSS / 703 4

Report To Al: Cochran & Jessica Smith

Company _____

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) [Signature]

PROJECT NAME Skanska

PO # 180587

REMARKS

= ALC request 5/13/2020

Project specific RIs? - Yes / No

INVOICE TO ADP

Page # 2 of 4

TURNAROUND TIME

Standard turnaround

RUSH

Archive samples

Other

Rush charges authorized by: _____

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes			
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082		CVOCs		
AB-16-27.5	11A-E	5/11/20	1015	Soil	5											
AB-16-30	13		1020		5											
AB-16-35	13		1025		5											
AB-16-40	14		1030		5											
AB-17-2.5	15		1100		5											
AB-17-5	16		1105		5											
AB-17-7.5	12		1110		5											
AB-17-10	18		1115		5											
AB-17-12.5	19		1120		5											
AB-17-15	20		1125		5											

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>Amelia Carter</u>	Received by: <u>[Signature]</u>	<u>ASPECT</u>	5/11/20	1700		
Relinquished by: _____	_____	Received by: _____	_____	_____	_____	_____	_____
Received by: _____	_____	Received by: _____	_____	_____	_____	_____	_____

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Samples received at 3 OC

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

May 21, 2020

Ali Cochrane, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Cochrane:

Included are the results from the testing of material submitted on May 12, 2020 from the Skanska 180587, F&BI 005144 project. There are 18 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Jessica Smith
ASP0521R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 12, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska 180587, F&BI 005144 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
005144 -01	AB-09-2.5
005144 -02	AB-09-5
005144 -03	AB-09-7.5
005144 -04	AB-09-10
005144 -05	AB-09-12.5
005144 -06	AB-09-15
005144 -07	AB-09-20
005144 -08	AB-09-25
005144 -09	AB-09-30
005144 -10	AB-09-35
005144 -11	AB-09-40
005144 -12	AB-09-45
005144 -13	AB-09-50
005144 -14	AB-07-2.5
005144 -15	AB-07-5
005144 -16	AB-07-7.5
005144 -17	AB-07-10
005144 -18	AB-07-12.5
005144 -19	AB-07-15
005144 -20	AB-07-20
005144 -21	AB-07-25
005144 -22	AB-07-30
005144 -23	AB-07-35
005144 -24	AB-07-40
005144 -25	AB-07-45
005144 -26	AB-07-50

Methylene chloride was detected in the 8260D analysis of sample AB-07-50. The data were flagged as due to laboratory contamination.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20
Date Received: 05/12/20
Project: Skanska 180587, F&BI 005144
Date Extracted: 05/13/20
Date Analyzed: 05/14/20

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-150)
AB-09-12.5 005144-05	<5	101
AB-09-25 005144-08	<5	101
AB-07-12.5-1/5 005144-18-1/5	170	105
AB-07-20 005144-20 1/5	180	111
AB-07-30 005144-22	25	115
AB-07-35 005144-23	<5	100
Method Blank 00-884 MB	<5	93

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20
Date Received: 05/12/20
Project: Skanska 180587, F&BI 005144
Date Extracted: 05/13/20
Date Analyzed: 05/13/20

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AB-09-12.5 005144-05	<50	<250	96
AB-09-25 005144-08	<50	<250	94
AB-07-12.5 005144-18	790	<250	102
AB-07-20 005144-20	1,400	<250	102
AB-07-30 005144-22	140	<250	102
AB-07-35 005144-23	<50	<250	102
Method Blank 00-1086 MB	<50	<250	97

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-09-35	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-10
Date Analyzed:	05/14/20	Data File:	051441.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	106	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-09-40	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-11
Date Analyzed:	05/14/20	Data File:	051442.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-5	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-15
Date Analyzed:	05/14/20	Data File:	051443.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-12.5	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-18
Date Analyzed:	05/14/20	Data File:	051444.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	50	150
Toluene-d8	95	50	150
4-Bromofluorobenzene	152	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-15	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-19
Date Analyzed:	05/14/20	Data File:	051445.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	100	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-20	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-20
Date Analyzed:	05/14/20	Data File:	051446.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	146	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-25	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-21
Date Analyzed:	05/14/20	Data File:	051447.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	107	50	150
Toluene-d8	102	50	150
4-Bromofluorobenzene	129	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-35	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-23
Date Analyzed:	05/14/20	Data File:	051448.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-45	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-25
Date Analyzed:	05/14/20	Data File:	051449.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	101	50	150
4-Bromofluorobenzene	111	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-07-50	Client:	Aspect Consulting, LLC
Date Received:	05/12/20	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	005144-26
Date Analyzed:	05/14/20	Data File:	051450.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	107	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.078 lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005144
Date Extracted:	05/14/20	Lab ID:	00-1059 mb
Date Analyzed:	05/14/20	Data File:	051426.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	103	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20

Date Received: 05/12/20

Project: Skanska 180587, F&BI 005144

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: 005142-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	100	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20

Date Received: 05/12/20

Project: Skanska 180587, F&BI 005144

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

Laboratory Code: 005164-01 (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	106	108	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	98	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/21/20

Date Received: 05/12/20

Project: Skanska 180587, F&BI 005144

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 005126-11 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm

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)	0.05	111	101	50-158	9
Chloroethane	mg/kg (ppm)	0.05	105	100	48-179	5
1,1-Dichloroethene	mg/kg (ppm)	0.05	104	97	63-144	7
Methylene chloride	mg/kg (ppm)	0.05	99	96	17-179	3
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	108	101	70-130	7
1,1-Dichloroethane	mg/kg (ppm)	0.05	108	104	70-130	4
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	107	104	70-130	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	106	103	69-137	3
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	110	103	71-140	7
Trichloroethene	mg/kg (ppm)	0.05	106	100	70-130	6
Tetrachloroethene	mg/kg (ppm)	0.05	103	99	35-176	4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

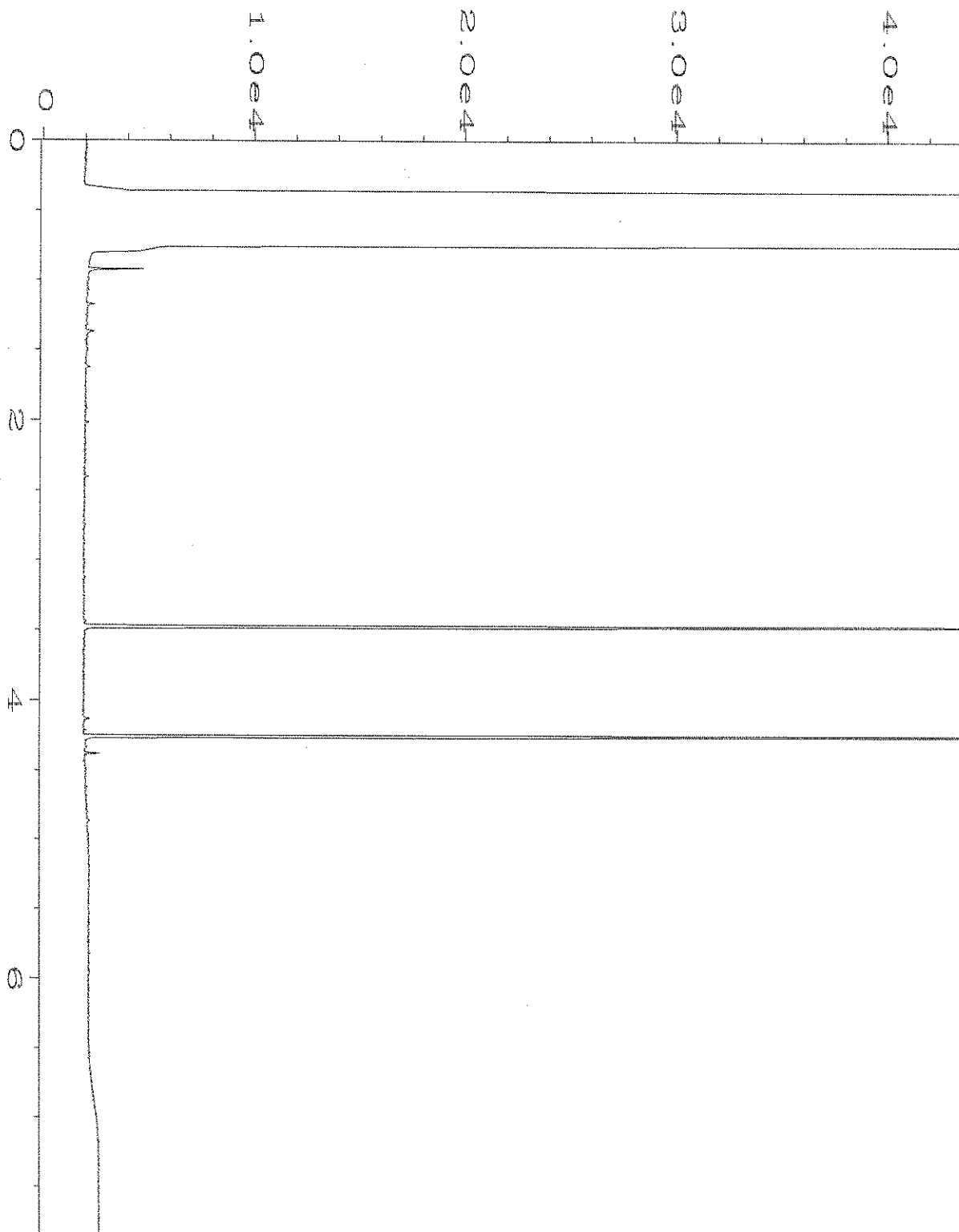
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

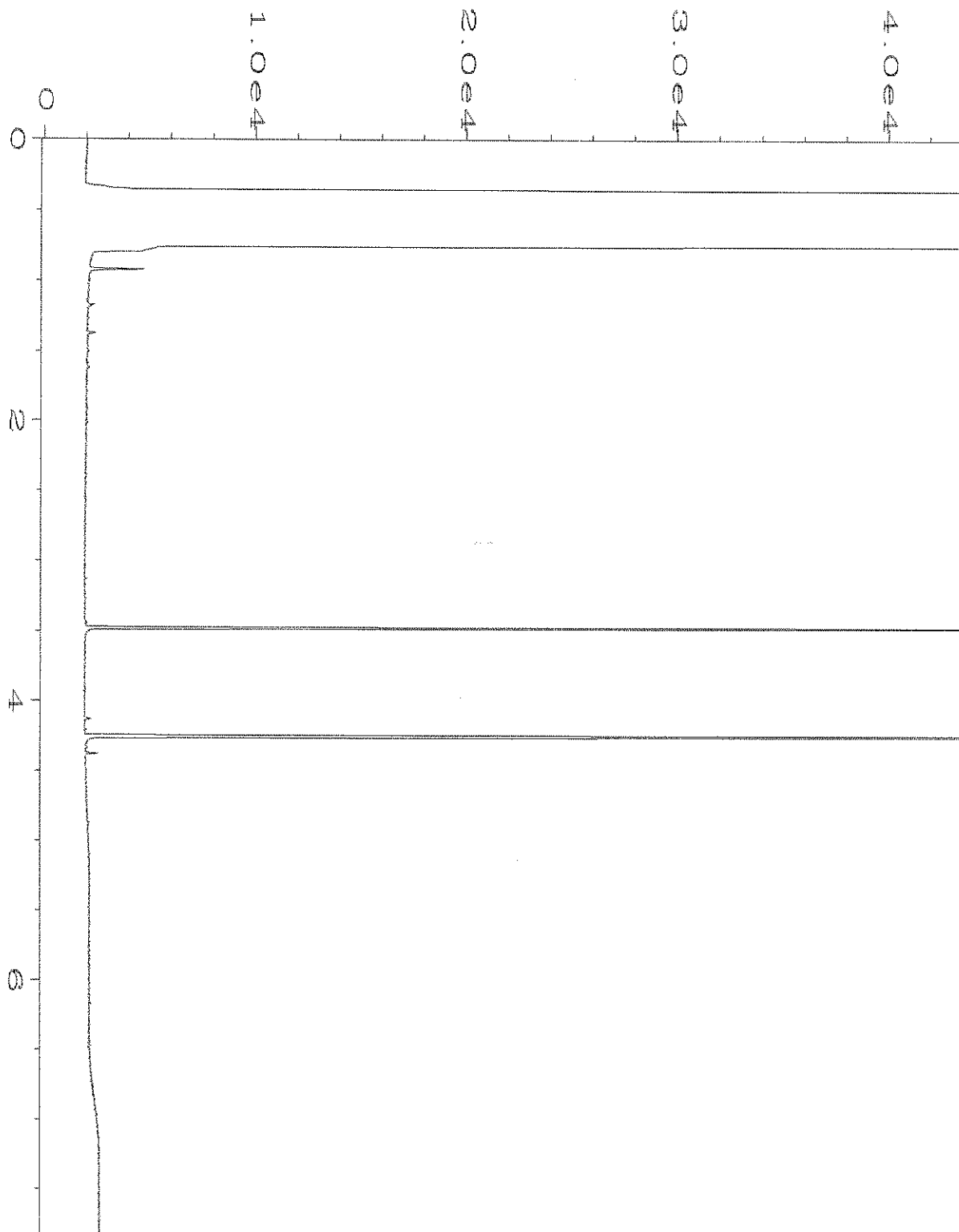
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

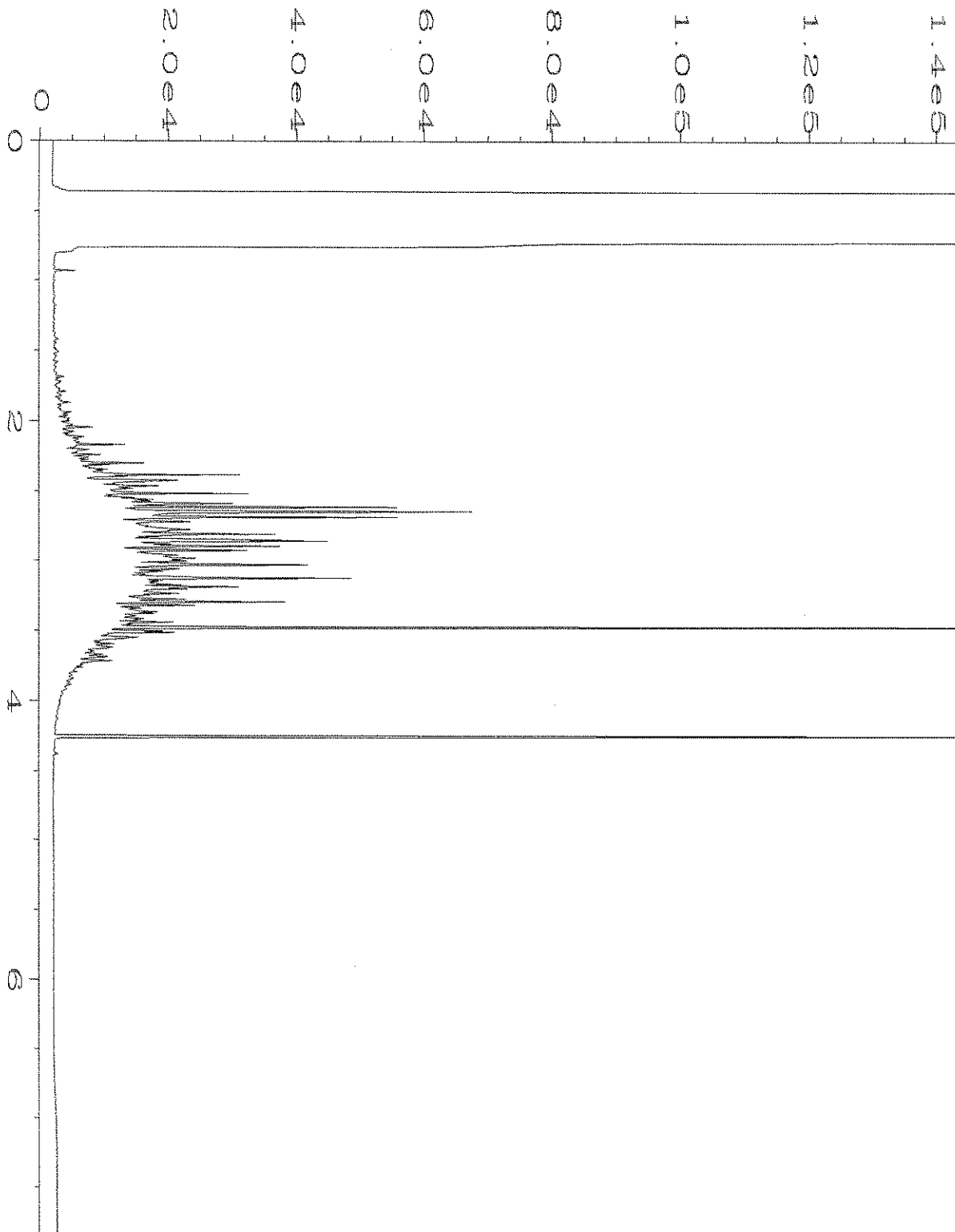
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



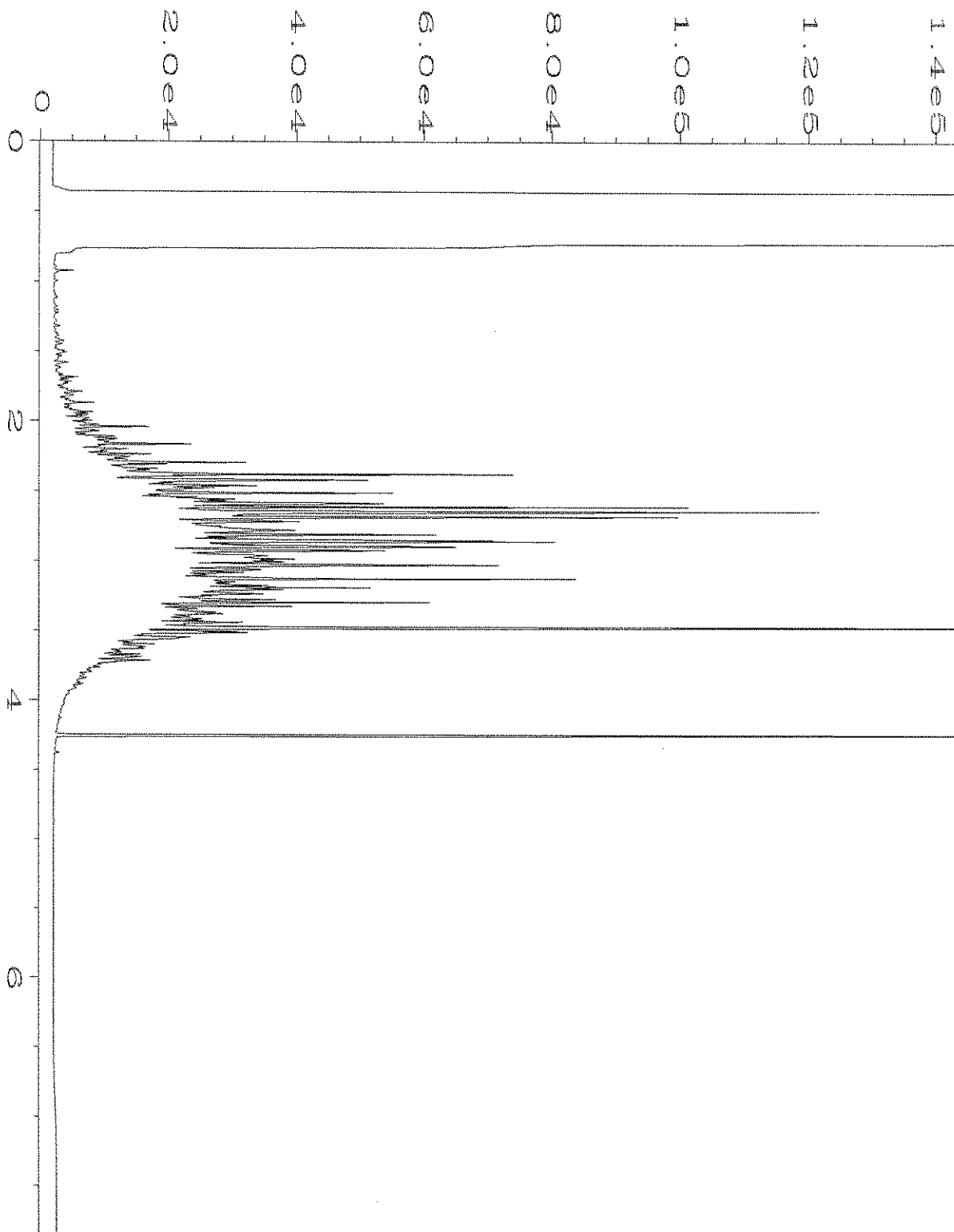
Data File Name	: C:\HPCHEM\4\DATA\05-13-20\044F1101.D	Page Number	: 1
Operator	: TL	Vial Number	: 44
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005144-05	Sequence Line	: 11
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 07:49 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 07:59 AM		



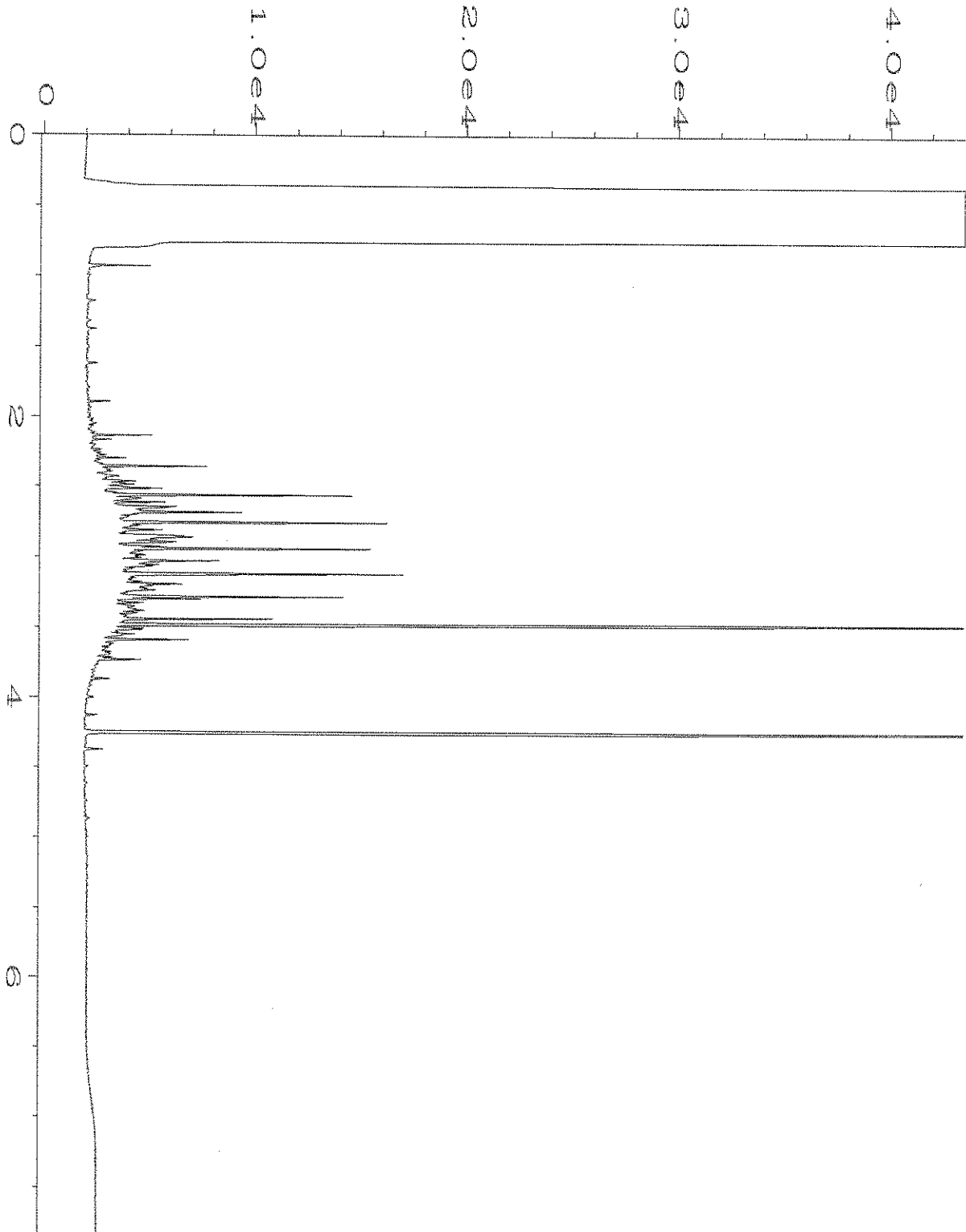
Data File Name	: C:\HPCHEM\4\DATA\05-13-20\045F1101.D	Page Number	: 1
Operator	: TL	Vial Number	: 45
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005144-08	Sequence Line	: 11
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 08:01 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 08:00 AM		



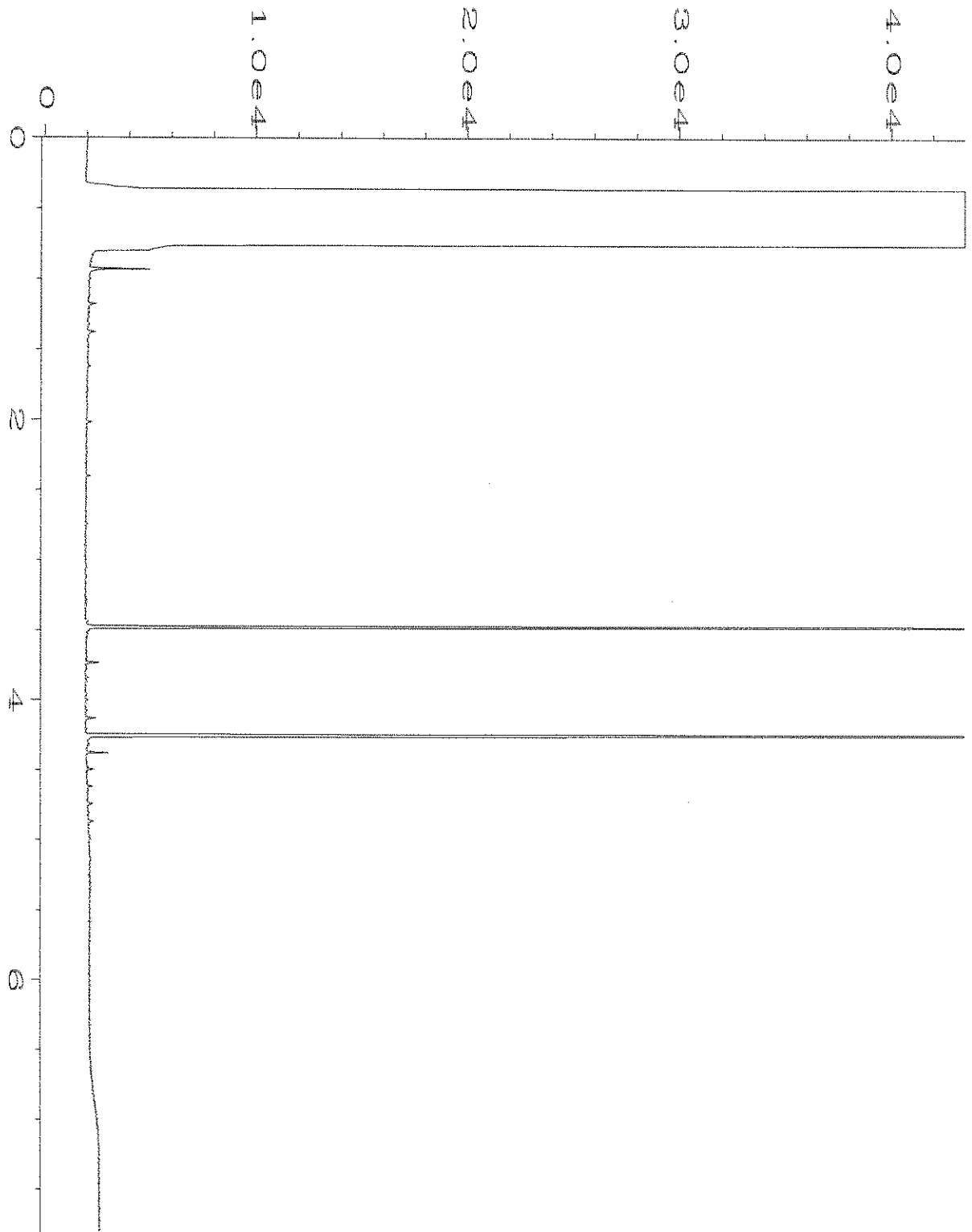
Data File Name	: C:\HPCHEM\4\DATA\05-13-20\046F1101.D	Page Number	: 1
Operator	: TL	Vial Number	: 46
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005144-18	Sequence Line	: 11
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 08:13 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 08:00 AM		



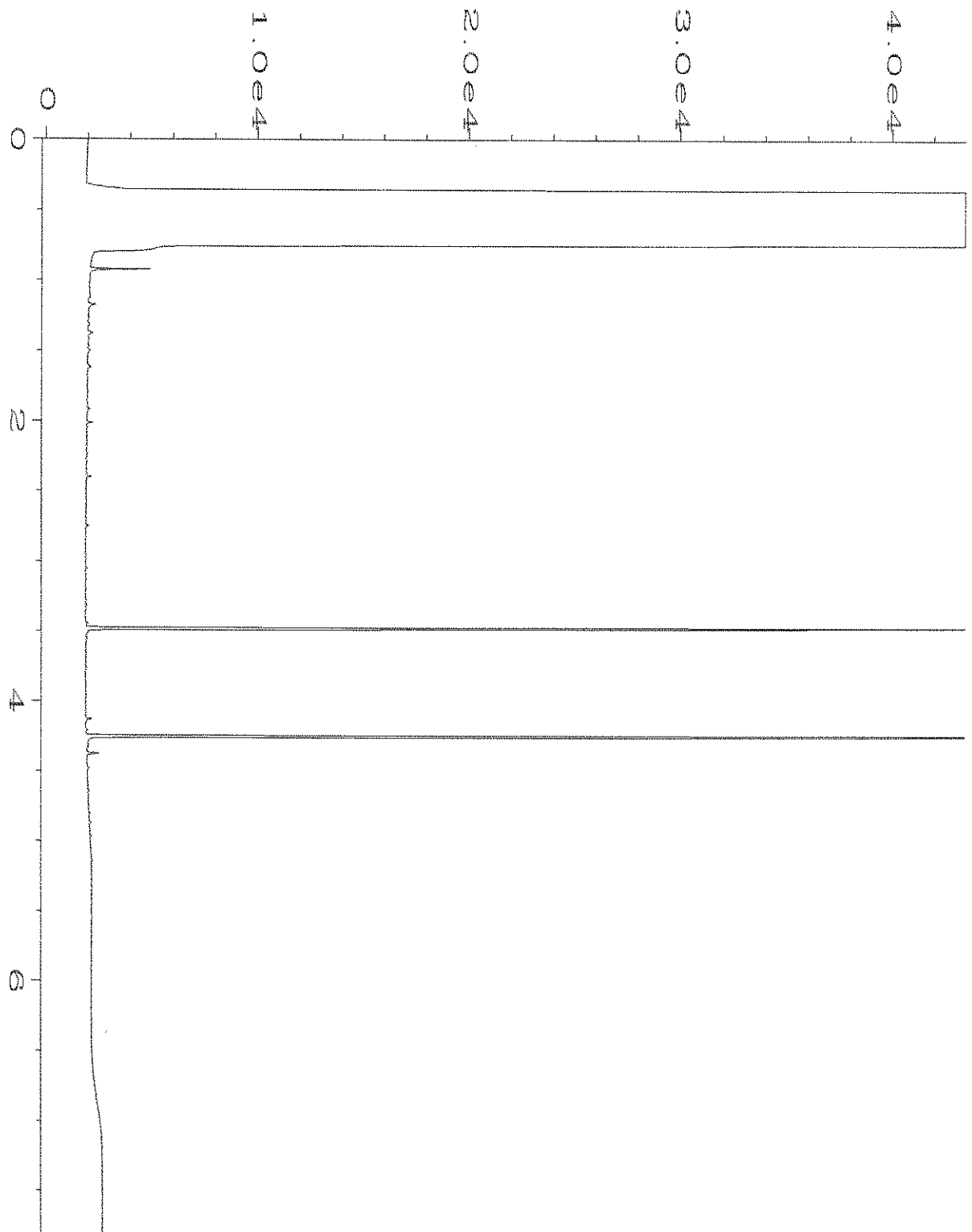
Data File Name	: C:\HPCHEM\4\DATA\05-13-20\047F1101.D	Page Number	: 1
Operator	: TL	Vial Number	: 47
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005144-20	Sequence Line	: 11
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 13 May 20 08:24 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 08:00 AM		



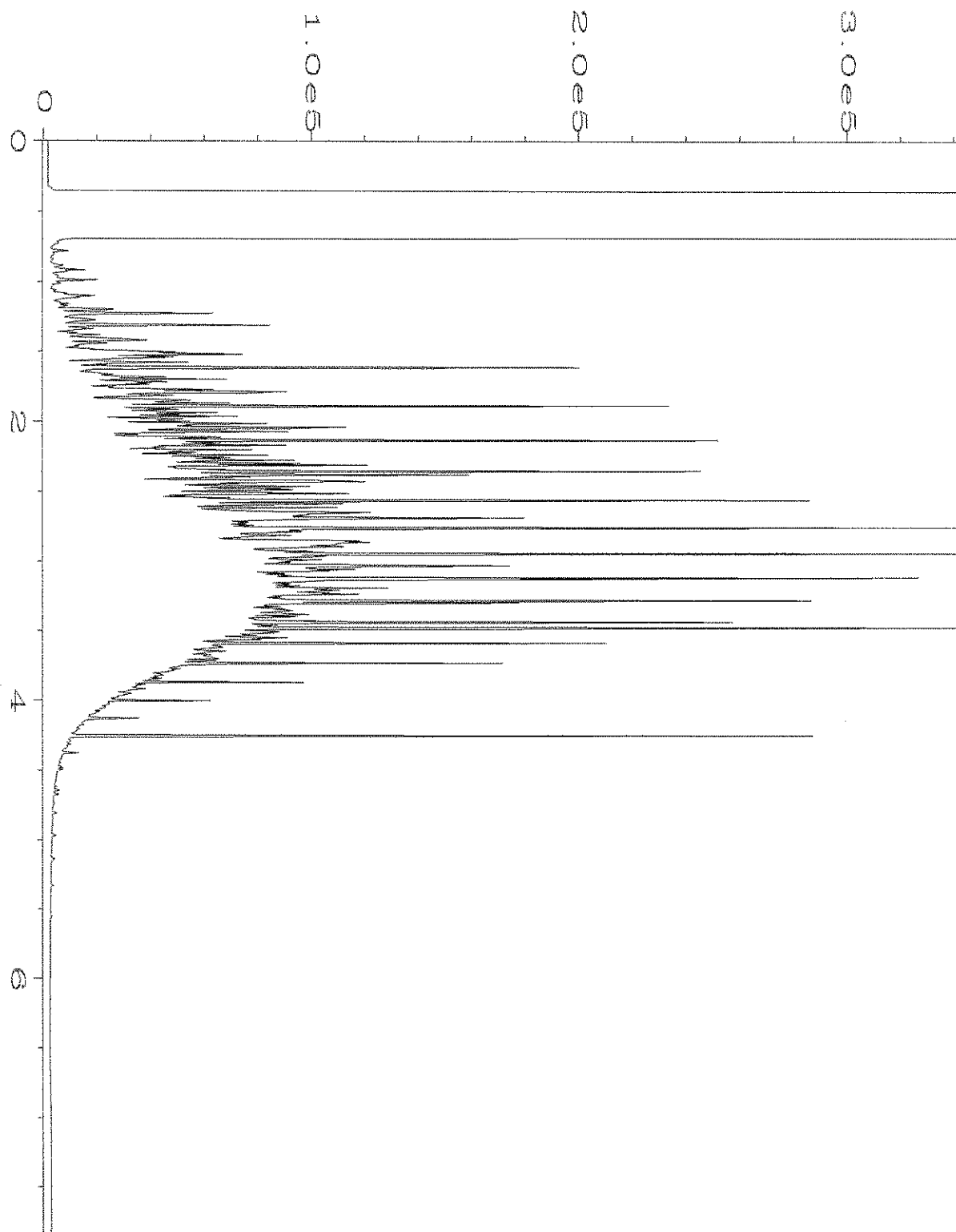
Data File Name	: C:\HPCHEM\4\DATA\05-13-20\048F1101.D	Page Number	: 1
Operator	: TL	Vial Number	: 48
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005144-22	Sequence Line	: 11
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 08:36 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 08:00 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-13-20\049F1101.D	Page Number	: 1
Operator	: TL	Vial Number	: 49
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005144-23	Sequence Line	: 11
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 08:48 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 08:00 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-13-20\032F0901.D	Page Number	: 1
Operator	: TL	Vial Number	: 32
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 00-1086 mb	Sequence Line	: 9
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 13 May 20 05:01 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 07:56 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-13-20\005F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 1000 Dx 59-162B	Sequence Line	: 6
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 13 May 20 02:07 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	14 May 20 07:56 AM		

005144

SAMPLE CHAIN OF CUSTODY ME 5/12/20 A23/155-3

Report To: All Friedman's Jessica Smith

Company: Aspect Consulting

Address: 716 7th Ave Suite 550

City, State, ZIP: Seattle WA 98104

Phone: 206-461-8888 Email: cc@aspectconsulting.com

SAMPLERS (signature) [Signature]

PROJECT NAME: Skanska

PO #: 180584

REMARKS: = ALC request 5/13/2020

Project specific RIs? - Yes / No

INVOICE TO: AP

Page # 1 of 3

TURNAROUND TIME

Standard turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

ANALYSES REQUESTED

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	CVOCs	Notes
AB-09-2.5	01 A-E	5/12/20	0850	Soil	5									<input checked="" type="checkbox"/> Pending PM reviews
AB-09-5	02		0855		5									
AB-09-7.5	03		0900		5									
AB-09-10	04		0905		5									
AB-09-12.5	05		0910		5									
AB-09-15	06		0915		5									
AB-09-20	07		0920		5									
AB-09-25	08		0925		5									
AB-09-30	09		0930		5									Samples received at 4:00
AB-09-35	10		0935		5									

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Reinquished by: [Signature]

Received by: [Signature]

Reinquished by: [Signature]

Received by: _____

Amelia Oates

HONG NGUYEN

Aspect

FBI

5/12/20

1545

1545

1545

Samples received at 4:00

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

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

June 1, 2020

Ali Cochrane, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Cochrane:

Included are the results from the testing of material submitted on May 13, 2020 from the Skanska 180587, F&BI 005167 project. There are 32 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Jessica Smith
ASP0601R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 13, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska 180587, F&BI 005167 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
005167 -01	AB-20-2.5
005167 -02	AB-20-5
005167 -03	AB-20-7.5
005167 -04	AB-20-10
005167 -05	AB-20-12.5
005167 -06	AB-20-15
005167 -07	AB-20-20
005167 -08	AB-20-22.5
005167 -09	AB-20-25
005167 -10	AB-20-30
005167 -11	AB-20-35
005167 -12	AB-20-40
005167 -13	AB-20-45
005167 -14	AB-20-50
005167 -15	AB-08-2.5
005167 -16	AB-08-5
005167 -17	AB-08-7.5
005167 -18	AB-08-10
005167 -19	AB-08-12.5
005167 -20	AB-08-15
005167 -21	AB-08-20
005167 -22	AB-08-25
005167 -23	AB-08-30
005167 -24	AB-08-35
005167 -25	AB-08-40
005167 -26	AB-08-45
005167 -27	AB-08-50
005167 -28	AB-03-2.5
005167 -29	AB-03-5
005167 -30	AB-03-7.5
005167 -31	AB-03-10
005167 -32	AB-03-12.5
005167 -33	AB-03-15
005167 -34	AB-03-20
005167 -35	AB-03-25

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE (CONTINUED)

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
005167 -36	AB-03-30
005167 -37	AB-03-35
005167 -38	AB-03-40
005167 -39	AB-03-45
005167 -40	AB-03-50
005167 -41	AB-03-55
005167 -42	AB-03-60

The 8260D calibration standard failed the acceptance criteria for 2-hexanone. The data were flagged accordingly. In addition, several compounds in the laboratory control sample, laboratory control sample duplicate, and the associated relative percent difference exceeded the acceptance criteria. The analytes were not detected in the samples, therefore the data were acceptable.

Methylene chloride was detected in samples AB-20-45 and AB-08-45 due to laboratory contamination. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20
Date Received: 05/13/20
Project: Skanska 180587, F&BI 005167
Date Extracted: 05/15/20 and 05/22/20
Date Analyzed: 05/15/20 and 05/26/20

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

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

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 58-139)
AB-20-12.5 005167-05	<5	105
AB-20-22.5 005167-08 1/5	220	91
AB-20-25 005167-09	<5	82
AB-08-2.5 005167-15	<5	81
AB-03-5 005167-29	<5	81
AB-03-45 005167-39	<5	81
Method Blank 00-885 MB2	<5	82
Method Blank 00-1100 MB2	<5	103

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20
Date Received: 05/13/20
Project: Skanska 180587, F&BI 005167
Date Extracted: 05/15/20 and 05/22/20
Date Analyzed: 05/15/20 and 05/22/20

**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)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
AB-20-12.5 005167-05	<50	<250	97
AB-20-22.5 005167-08	7,000	<250	118
AB-20-25 005167-09	<50	<250	89
AB-08-2.5 005167-15	<50	<250	94
AB-03-5 005167-29	<50	<250	91
AB-03-45 005167-39	<50	<250	95
Method Blank 00-1127 MB	<50	<250	93
Method Blank 00-1176 MB	<50	<250	96

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-03-5	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/15/20	Lab ID:	005167-29
Date Analyzed:	05/15/20	Data File:	005167-29.066
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	1.94
Barium	50.2
Cadmium	<1
Chromium	18.1
Lead	1.72
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-03-45	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/15/20	Lab ID:	005167-39
Date Analyzed:	05/15/20	Data File:	005167-39.067
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	17.7
Cadmium	<1
Chromium	11.2
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/15/20	Lab ID:	I0-283 mb
Date Analyzed:	05/15/20	Data File:	I0-283 mb.043
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	AB-03-5	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/15/20	Lab ID:	005167-29 1/5
Date Analyzed:	05/15/20	Data File:	051508.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	72	31	163
Benzo(a)anthracene-d12	84	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	AB-03-45	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/15/20	Lab ID:	005167-39 1/5
Date Analyzed:	05/15/20	Data File:	051511.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	73	31	163
Benzo(a)anthracene-d12	85	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/15/20	Lab ID:	00-1128 mb 1/5
Date Analyzed:	05/15/20	Data File:	051507.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	79	31	163
Benzo(a)anthracene-d12	89	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-20-5	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-02
Date Analyzed:	05/20/20	Data File:	052016.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-20-12.5	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/27/20	Lab ID:	005167-05
Date Analyzed:	05/27/20	Data File:	052727.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	90	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-20-22.5	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-08
Date Analyzed:	05/20/20	Data File:	052018.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	150 J	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	0.014
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	0.0055
Tetrachloroethene	0.0055

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-20-35	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/27/20	Lab ID:	005167-11
Date Analyzed:	05/27/20	Data File:	052728.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	104	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	0.0067
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-20-45	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-13
Date Analyzed:	05/20/20	Data File:	052019.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	116	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.25 ve lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-08-25	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-22
Date Analyzed:	05/20/20	Data File:	052020.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	108	50	150
4-Bromofluorobenzene	96	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-08-35	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-24
Date Analyzed:	05/20/20	Data File:	052021.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-08-45	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-26
Date Analyzed:	05/20/20	Data File:	052022.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	117	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	0.14 lc
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-03-5	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-29
Date Analyzed:	05/20/20	Data File:	052023.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	107	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05 ca		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-03-45	Client:	Aspect Consulting, LLC
Date Received:	05/13/20	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	005167-39
Date Analyzed:	05/20/20	Data File:	052024.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	108	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05 ca		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/20/20	Lab ID:	00-1069 mb
Date Analyzed:	05/20/20	Data File:	052012.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	95	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05 ca		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005167
Date Extracted:	05/27/20	Lab ID:	00-1159 mb
Date Analyzed:	05/27/20	Data File:	052726.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	98	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	mg/kg (ppm)	20	100	100	71-131	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-Gx**

Laboratory Code: 005245-01 1/5 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	250	120	70 a

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	105	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

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

Laboratory Code: 005167-08 (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	6,100	84	84	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	112	58-147

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

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

Laboratory Code: 005167-05 (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	96	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	96	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 005173-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<1	80	83	75-125	4
Barium	mg/kg (ppm)	50	26.7	111	122	75-125	9
Cadmium	mg/kg (ppm)	10	<1	97	98	75-125	1
Chromium	mg/kg (ppm)	50	10.4	86	88	75-125	2
Lead	mg/kg (ppm)	50	1.84	88	88	75-125	0
Mercury	mg/kg (ppm)	5	<1	87	91	75-125	4
Selenium	mg/kg (ppm)	5	<1	86	86	75-125	0
Silver	mg/kg (ppm)	10	<1	100	104	75-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	81	80-120
Barium	mg/kg (ppm)	50	101	80-120
Cadmium	mg/kg (ppm)	10	100	80-120
Chromium	mg/kg (ppm)	50	106	80-120
Lead	mg/kg (ppm)	50	99	80-120
Mercury	mg/kg (ppm)	5	95	80-120
Selenium	mg/kg (ppm)	5	93	80-120
Silver	mg/kg (ppm)	10	106	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270E SIM**

Laboratory Code: 005167-29 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	<0.01	73	73	44-129	0
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	66	66	52-121	0
Acenaphthene	mg/kg (ppm)	0.17	<0.01	71	71	51-123	0
Fluorene	mg/kg (ppm)	0.17	<0.01	67	68	37-137	1
Phenanthrene	mg/kg (ppm)	0.17	<0.01	79	78	34-141	1
Anthracene	mg/kg (ppm)	0.17	<0.01	73	72	32-124	1
Fluoranthene	mg/kg (ppm)	0.17	<0.01	74	75	16-160	1
Pyrene	mg/kg (ppm)	0.17	<0.01	79	78	10-180	1
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	82	81	23-144	1
Chrysene	mg/kg (ppm)	0.17	<0.01	85	85	32-149	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	71	70	23-176	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	76	73	42-139	4
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	68	66	21-163	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	76	68	23-170	11
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	79	74	31-146	7
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	77	71	37-133	8

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	78	58-121
Acenaphthylene	mg/kg (ppm)	0.17	70	54-121
Acenaphthene	mg/kg (ppm)	0.17	76	54-123
Fluorene	mg/kg (ppm)	0.17	72	56-127
Phenanthrene	mg/kg (ppm)	0.17	81	55-122
Anthracene	mg/kg (ppm)	0.17	75	50-120
Fluoranthene	mg/kg (ppm)	0.17	75	54-129
Pyrene	mg/kg (ppm)	0.17	83	53-127
Benz(a)anthracene	mg/kg (ppm)	0.17	82	51-115
Chrysene	mg/kg (ppm)	0.17	86	55-129
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	70	56-123
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	73	54-131
Benzo(a)pyrene	mg/kg (ppm)	0.17	67	51-118
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	72	49-148
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	81	50-141
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	78	52-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 005167-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.1	<0.1	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Hexane	mg/kg (ppm)	<0.025	<0.025	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Chloroform	mg/kg (ppm)	<0.005	<0.005	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Carbon tetrachloride	mg/kg (ppm)	<0.005	<0.005	nm
Benzene	mg/kg (ppm)	<0.003	<0.003	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Bromodichloromethane	mg/kg (ppm)	<0.005	<0.005	nm
Dibromomethane	mg/kg (ppm)	<0.005	<0.005	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Toluene	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2-Hexanone	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Dibromochloromethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.005	<0.005	nm
Chlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
Ethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
m,p-Xylene	mg/kg (ppm)	<0.01	<0.01	nm
o-Xylene	mg/kg (ppm)	<0.005	<0.005	nm
Styrene	mg/kg (ppm)	<0.005	<0.005	nm
Isopropylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromoform	mg/kg (ppm)	<0.005	<0.005	nm
n-Propylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
2-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
4-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
tert-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
sec-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.005	<0.005	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.025	<0.025	nm
Naphthalene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	117	120	70-130	3
Chloromethane	mg/kg (ppm)	0.05	108	118	70-130	9
Vinyl chloride	mg/kg (ppm)	0.05	117	125	70-130	7
Bromomethane	mg/kg (ppm)	0.05	116	127	70-130	9
Chloroethane	mg/kg (ppm)	0.05	114	125	70-130	9
Trichlorofluoromethane	mg/kg (ppm)	0.05	124	130	70-130	5
Acetone	mg/kg (ppm)	0.25	102	134 vo	70-130	27 vo
1,1-Dichloroethene	mg/kg (ppm)	0.05	121	130	70-130	7
Hexane	mg/kg (ppm)	0.05	120	125	70-130	4
Methylene chloride	mg/kg (ppm)	0.05	106	118	70-130	11
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	118	129	70-130	9
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	123	132 vo	70-130	7
1,1-Dichloroethane	mg/kg (ppm)	0.05	120	131 vo	70-130	9
2,2-Dichloropropane	mg/kg (ppm)	0.05	127	133 vo	70-130	5
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	118	130	70-130	10
Chloroform	mg/kg (ppm)	0.05	119	131 vo	70-130	10
2-Butanone (MEK)	mg/kg (ppm)	0.25	104	124	70-130	18
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	114	126	70-130	10
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	128	137 vo	70-130	7
1,1-Dichloropropene	mg/kg (ppm)	0.05	123	132 vo	70-130	7
Carbon tetrachloride	mg/kg (ppm)	0.05	133 vo	140 vo	70-130	5
Benzene	mg/kg (ppm)	0.05	117	128	70-130	9
Trichloroethene	mg/kg (ppm)	0.05	117	129	70-130	10
1,2-Dichloropropane	mg/kg (ppm)	0.05	115	127	70-130	10
Bromodichloromethane	mg/kg (ppm)	0.05	118	131 vo	70-130	10
Dibromomethane	mg/kg (ppm)	0.05	117	131 vo	70-130	11
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	110	127	70-130	14
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	117	131 vo	70-130	11
Toluene	mg/kg (ppm)	0.05	102	109	70-130	7
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	100	110	70-130	10
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	95	105	70-130	10
2-Hexanone	mg/kg (ppm)	0.25	89	102	70-130	14
1,3-Dichloropropane	mg/kg (ppm)	0.05	98	108	70-130	10
Tetrachloroethene	mg/kg (ppm)	0.05	108	114	70-130	5
Dibromochloromethane	mg/kg (ppm)	0.05	103	112	70-130	8
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	100	110	70-130	10
Chlorobenzene	mg/kg (ppm)	0.05	101	109	70-130	8
Ethylbenzene	mg/kg (ppm)	0.05	104	111	70-130	7
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	107	115	70-130	7
m,p-Xylene	mg/kg (ppm)	0.1	105	111	70-130	6
o-Xylene	mg/kg (ppm)	0.05	106	112	70-130	6
Styrene	mg/kg (ppm)	0.05	103	111	70-130	7
Isopropylbenzene	mg/kg (ppm)	0.05	109	114	70-130	4
Bromoform	mg/kg (ppm)	0.05	107	116	70-130	8
n-Propylbenzene	mg/kg (ppm)	0.05	101	105	70-130	4
Bromobenzene	mg/kg (ppm)	0.05	96	102	70-130	6
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	102	106	70-130	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	96	104	70-130	8
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	89	98	70-130	10
2-Chlorotoluene	mg/kg (ppm)	0.05	99	103	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	99	105	70-130	6
tert-Butylbenzene	mg/kg (ppm)	0.05	105	108	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	101	105	70-130	4
sec-Butylbenzene	mg/kg (ppm)	0.05	105	108	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	104	108	70-130	4
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	99	105	70-130	6
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	98	102	70-130	4
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	98	102	70-130	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	101	108	70-130	7
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	104	106	70-130	2
Hexachlorobutadiene	mg/kg (ppm)	0.05	109	111	70-130	2
Naphthalene	mg/kg (ppm)	0.05	94	101	70-130	7
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	102	105	70-130	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 06/01/20

Date Received: 05/13/20

Project: Skanska 180587, F&BI 005167

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 005167-11 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	0.0061	0.010	48 a
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm

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)	0.05	108	114	60-136	5
Chloroethane	mg/kg (ppm)	0.05	106	114	65-132	7
1,1-Dichloroethene	mg/kg (ppm)	0.05	106	113	70-130	6
Methylene chloride	mg/kg (ppm)	0.05	77	84	52-150	9
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	103	109	70-130	6
1,1-Dichloroethane	mg/kg (ppm)	0.05	102	107	70-130	5
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	104	106	70-130	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	98	99	70-130	1
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	103	109	70-130	6
Trichloroethene	mg/kg (ppm)	0.05	94	95	70-130	1
Tetrachloroethene	mg/kg (ppm)	0.05	97	96	70-130	1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

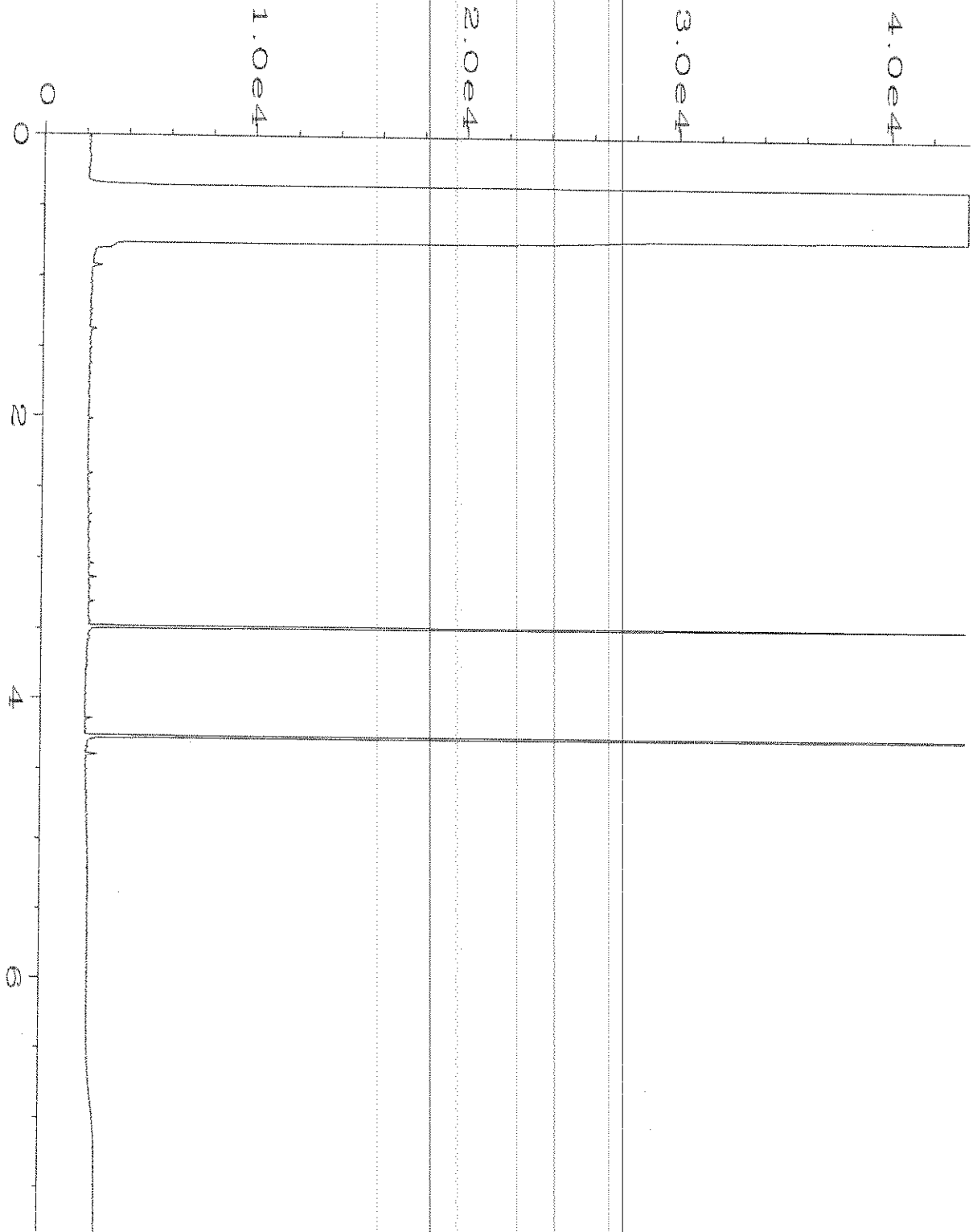
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

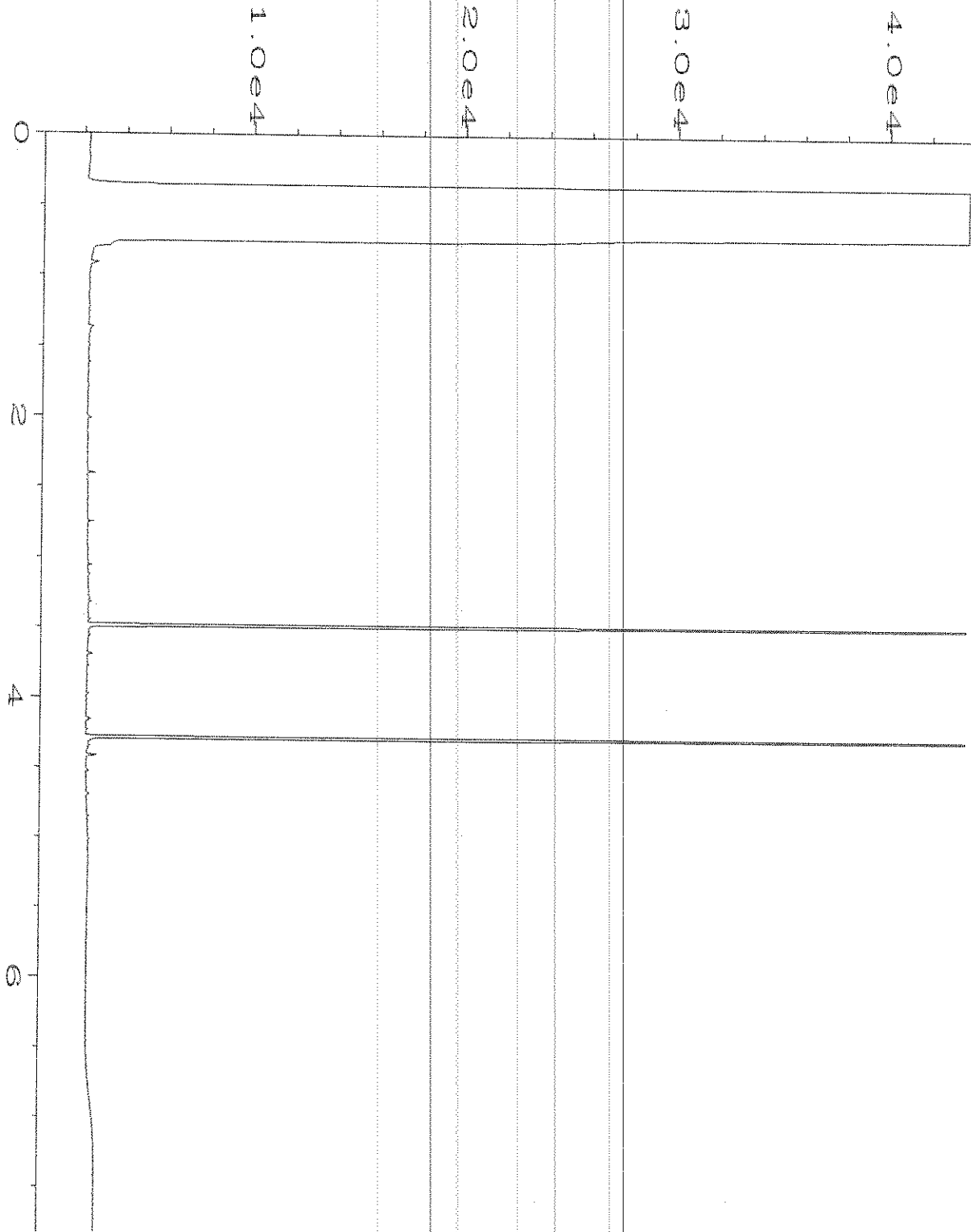
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

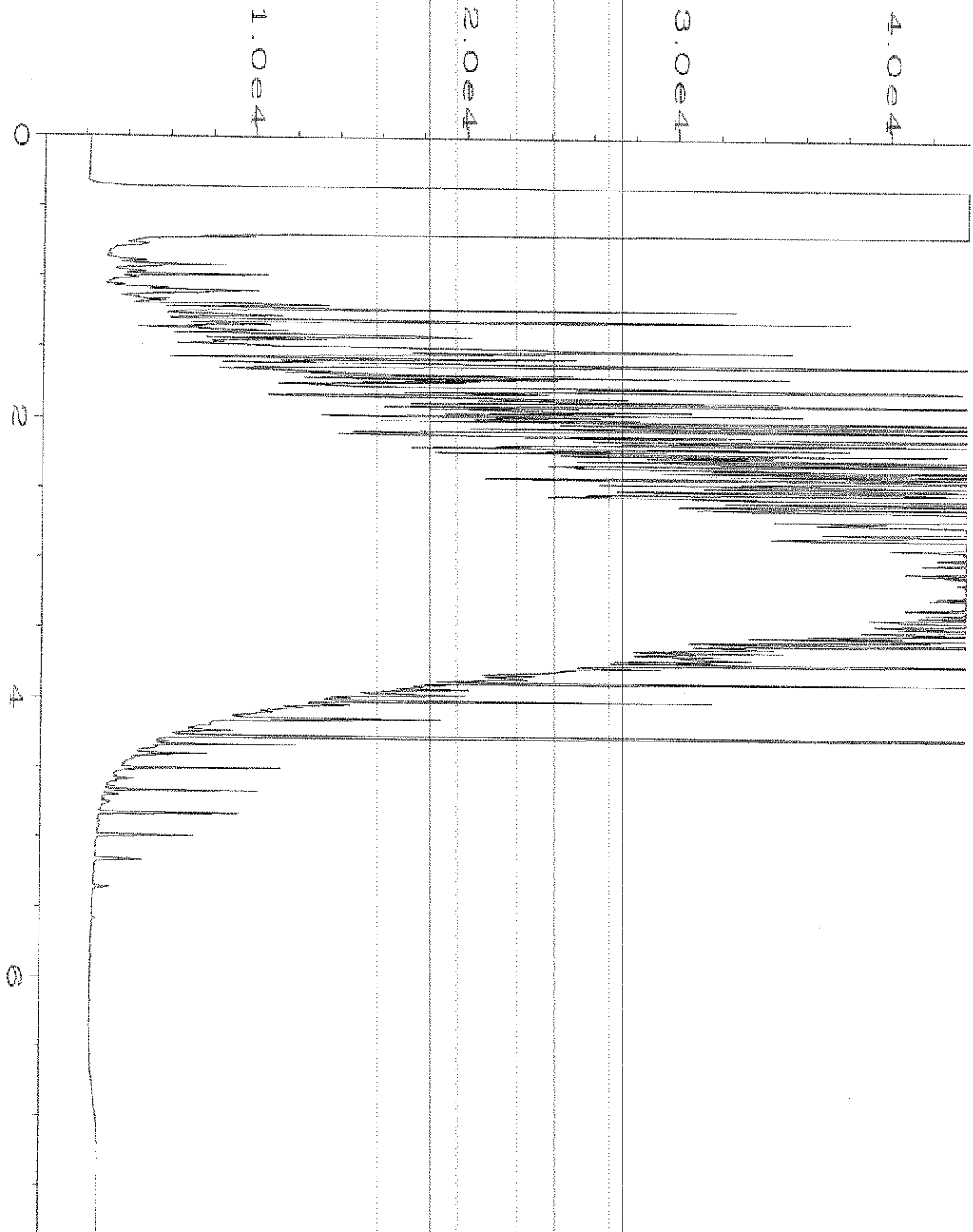
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



Data File Name	: C:\HPCHEM\4\DATA\05-22-20\010F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 10
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005167-05	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 22 May 20 08:50 AM	Analysis Method	: DX.MTH
Report Created on:	26 May 20 09:43 AM		

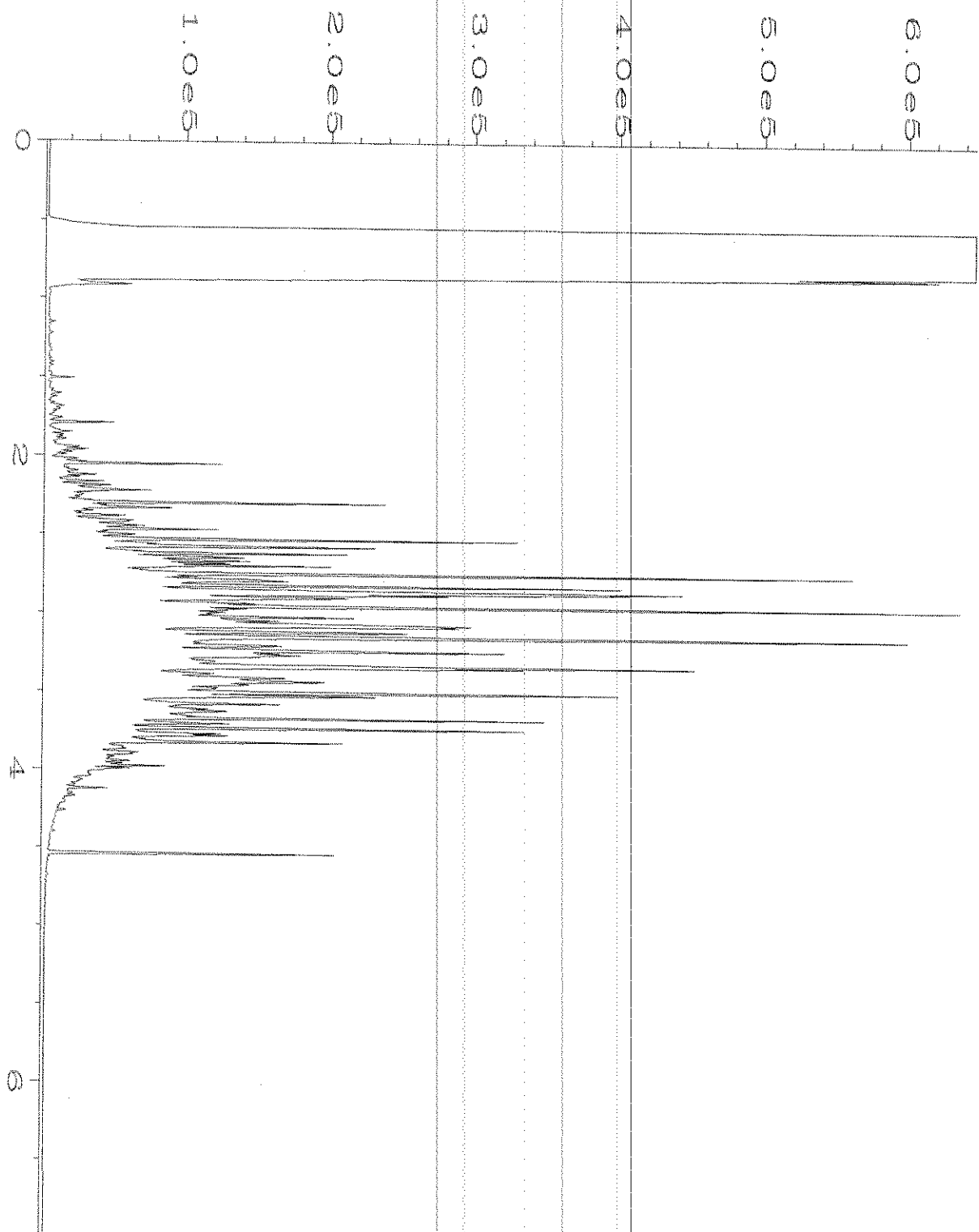


Data File Name	: C:\HPCHEM\4\DATA\05-22-20\006F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 6
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 00-1176 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method	: DX.MTH
Acquired on	: 22 May 20 08:04 AM	Analysis Method	: DX.MTH
Report Created on:	26 May 20 09:42 AM		

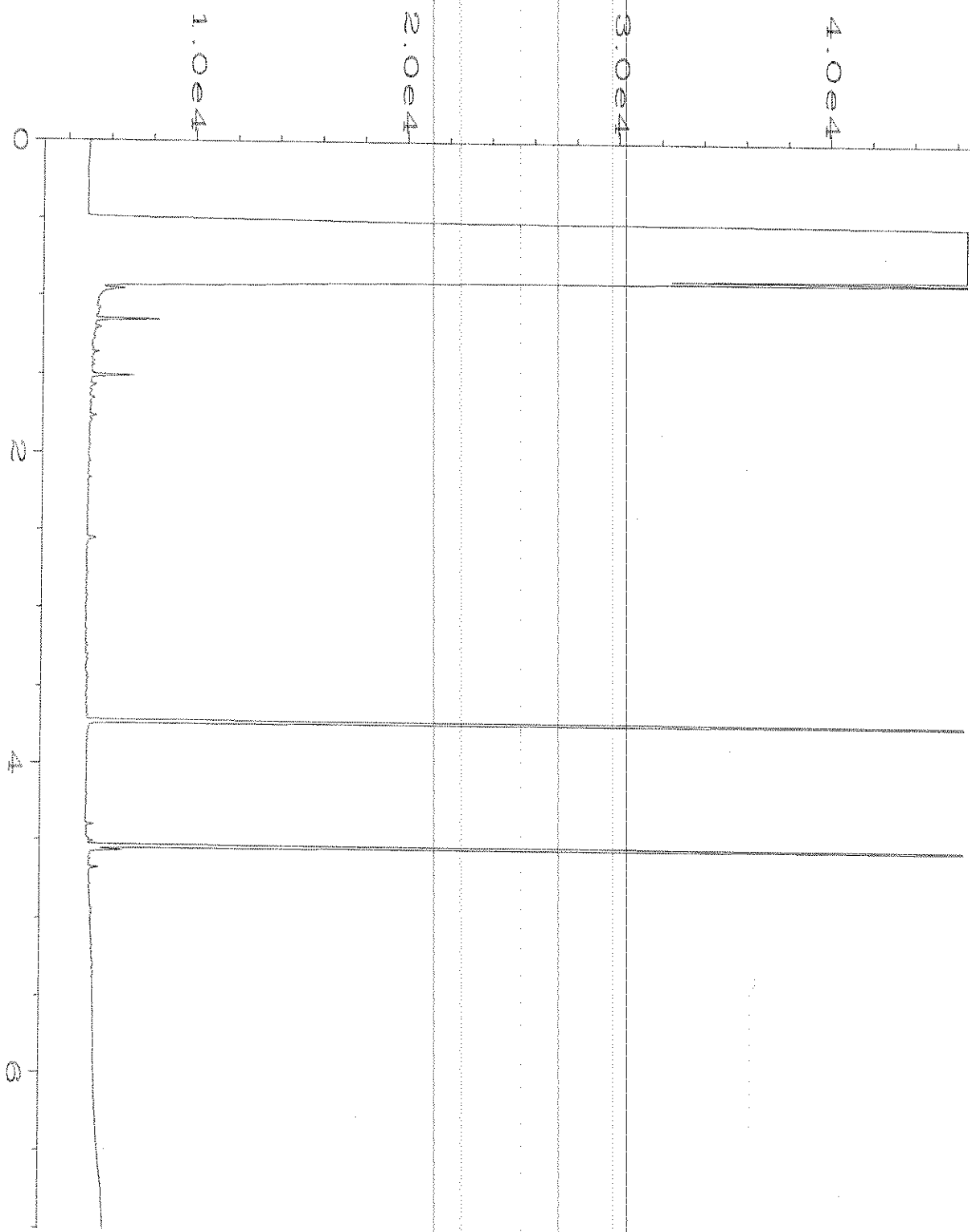


Data File Name : C:\HPCHEM\4\DATA\05-22-20\003F0201.D
 Operator : TL
 Instrument : GC#4
 Sample Name : 500 Dx 58-146H
 Run Time Bar Code:
 Acquired on : 22 May 20 05:38 AM
 Report Created on: 26 May 20 09:44 AM

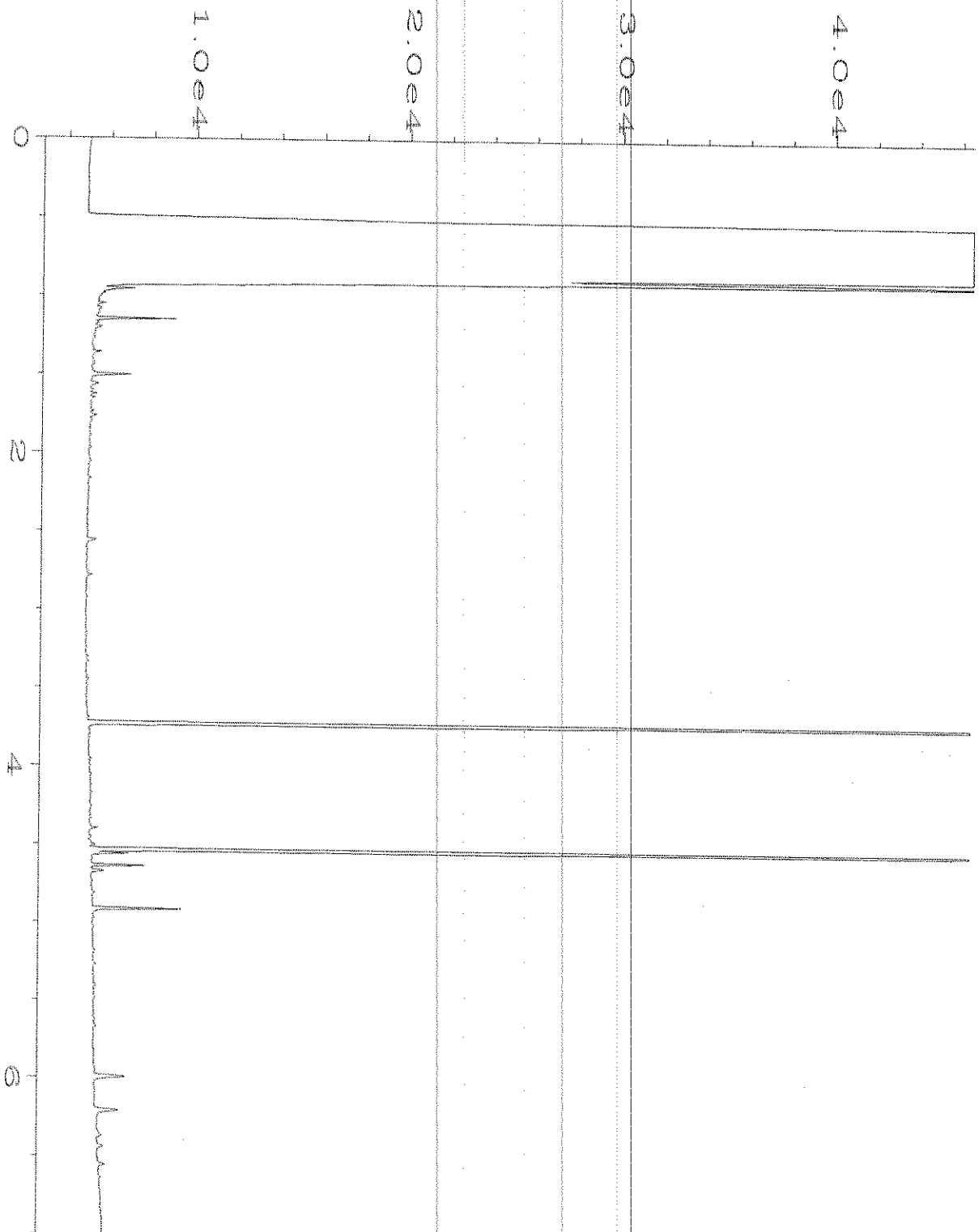
Page Number : 1
 Vial Number : 3
 Injection Number : 1
 Sequence Line : 2
 Instrument Method: DX.MTH
 Analysis Method : DX.MTH



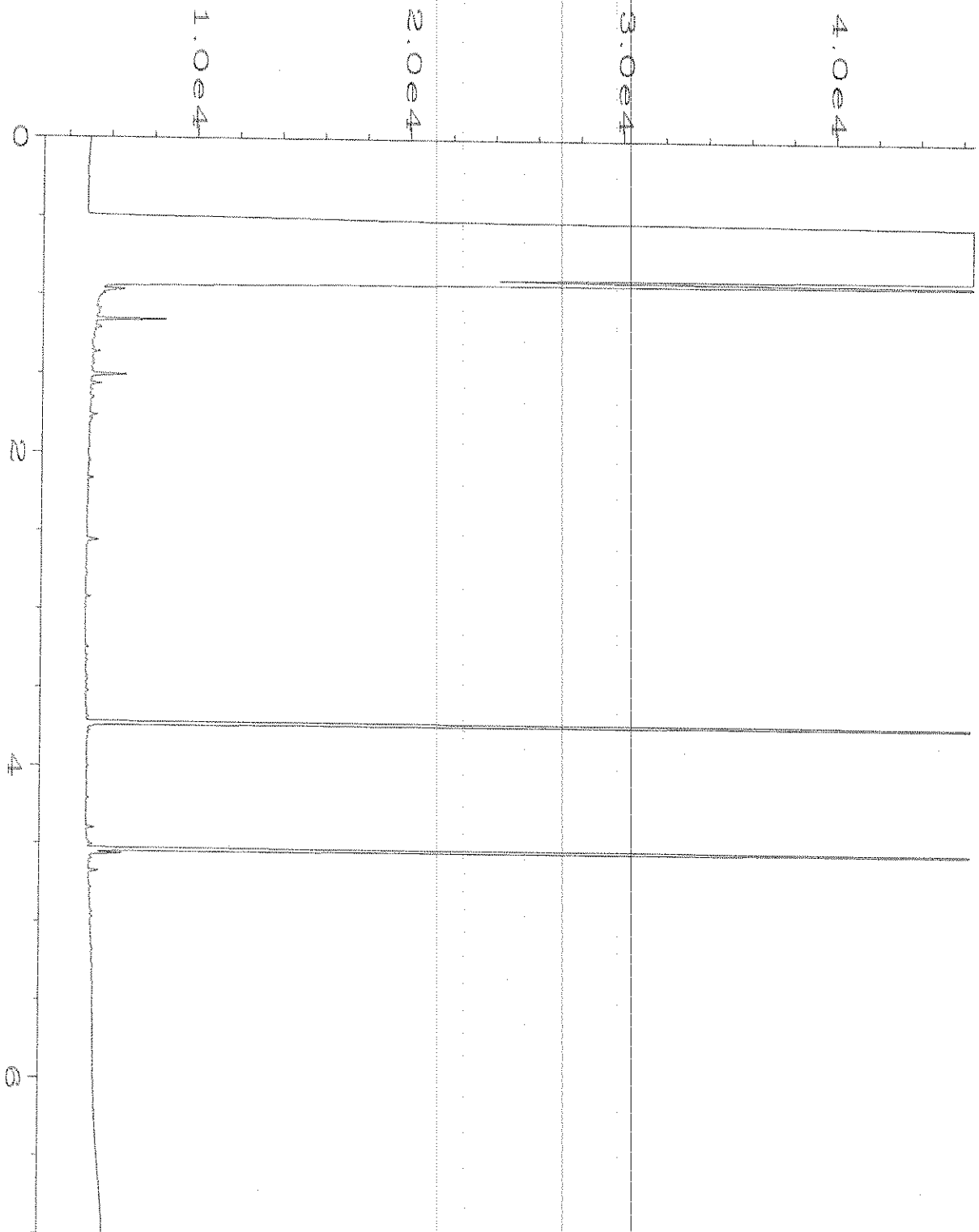
Data File Name	: C:\HPCHEM\6\DATA\05-15-20\011F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 11
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005167-08	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 08:42 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:25 AM		



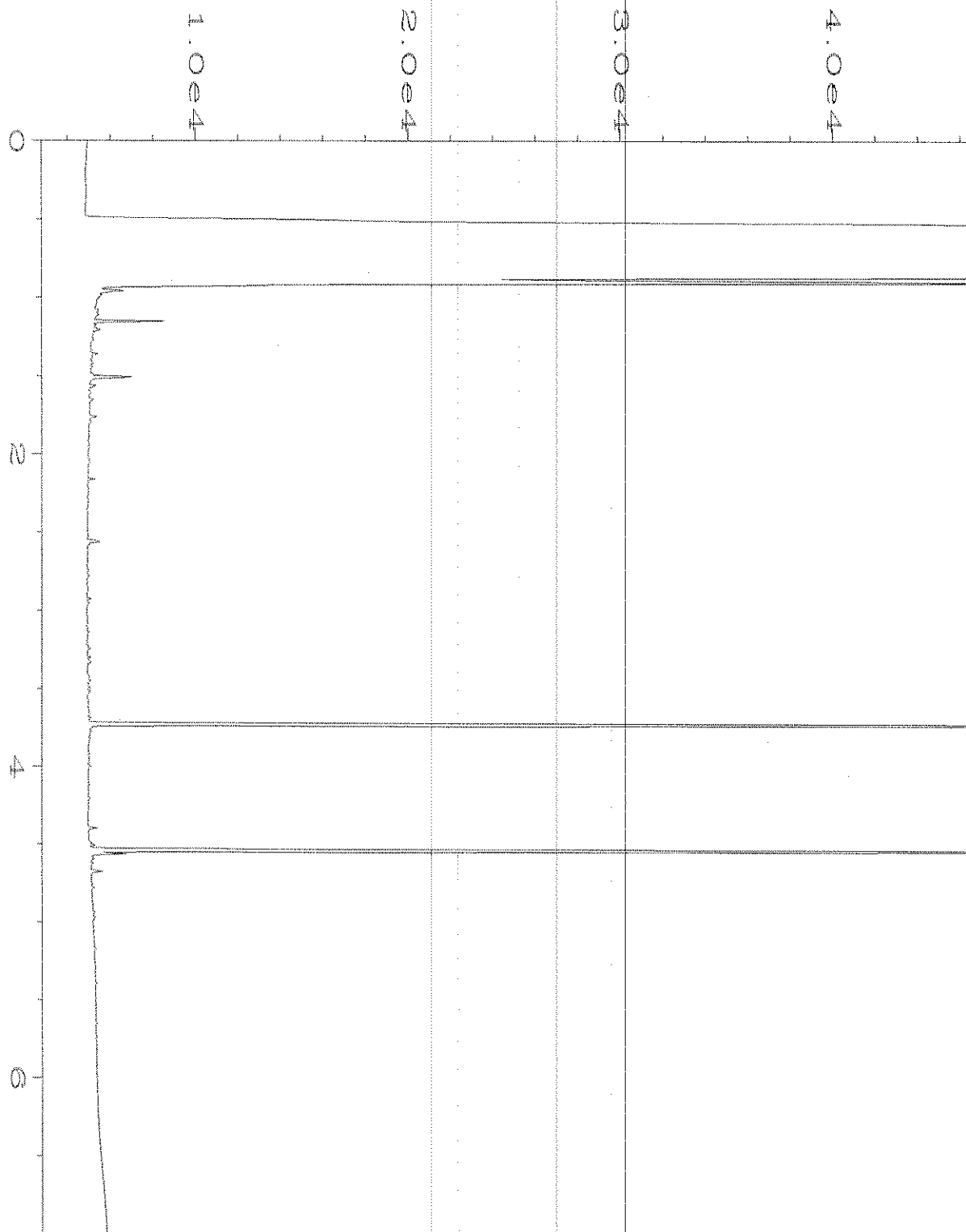
Data File Name	: C:\HPCHEM\6\DATA\05-15-20\012F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 12
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005167-09	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 08:53 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:25 AM		



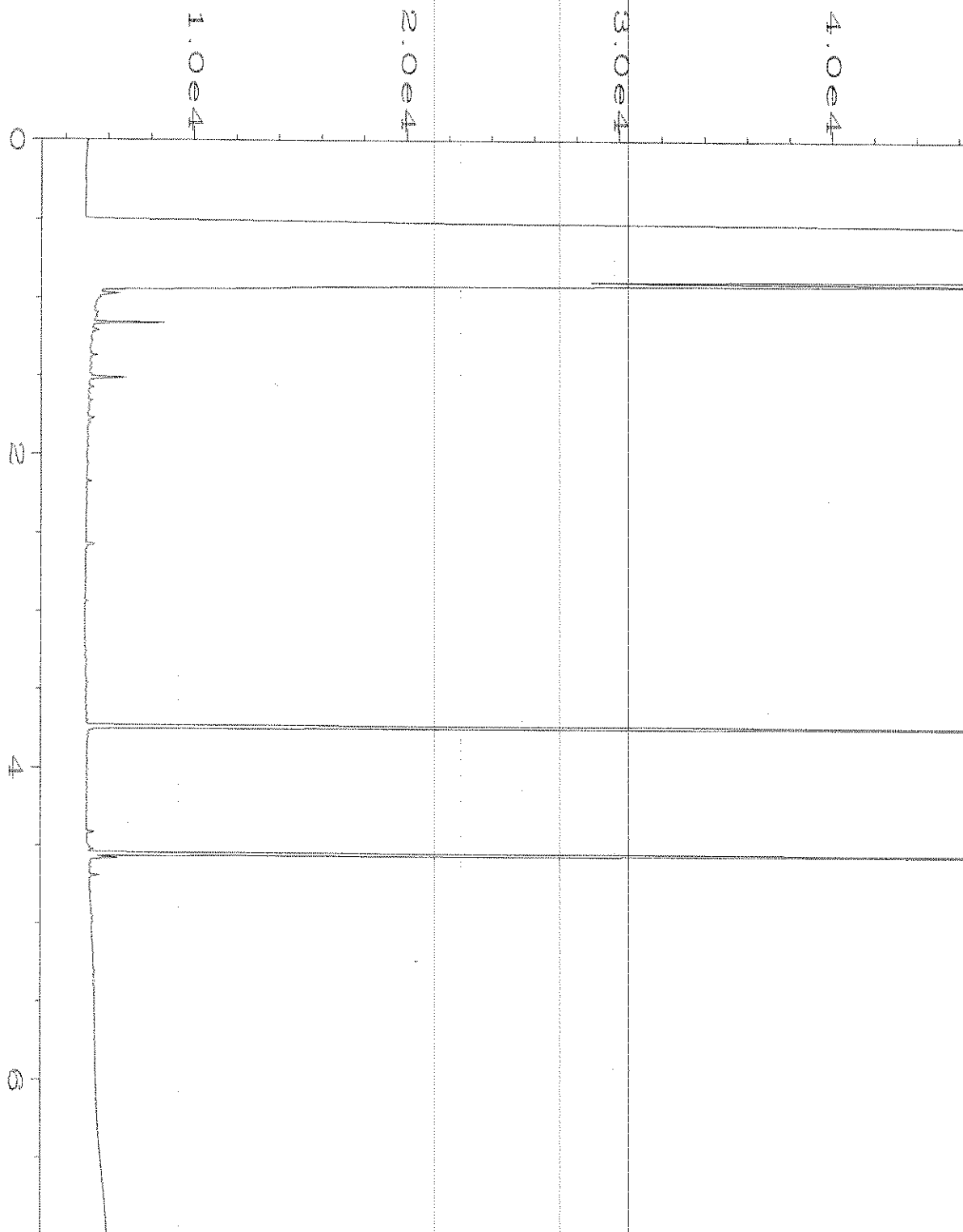
Data File Name	: C:\HPCHEM\6\DATA\05-15-20\013F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 13
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005167-15	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 09:04 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:25 AM		



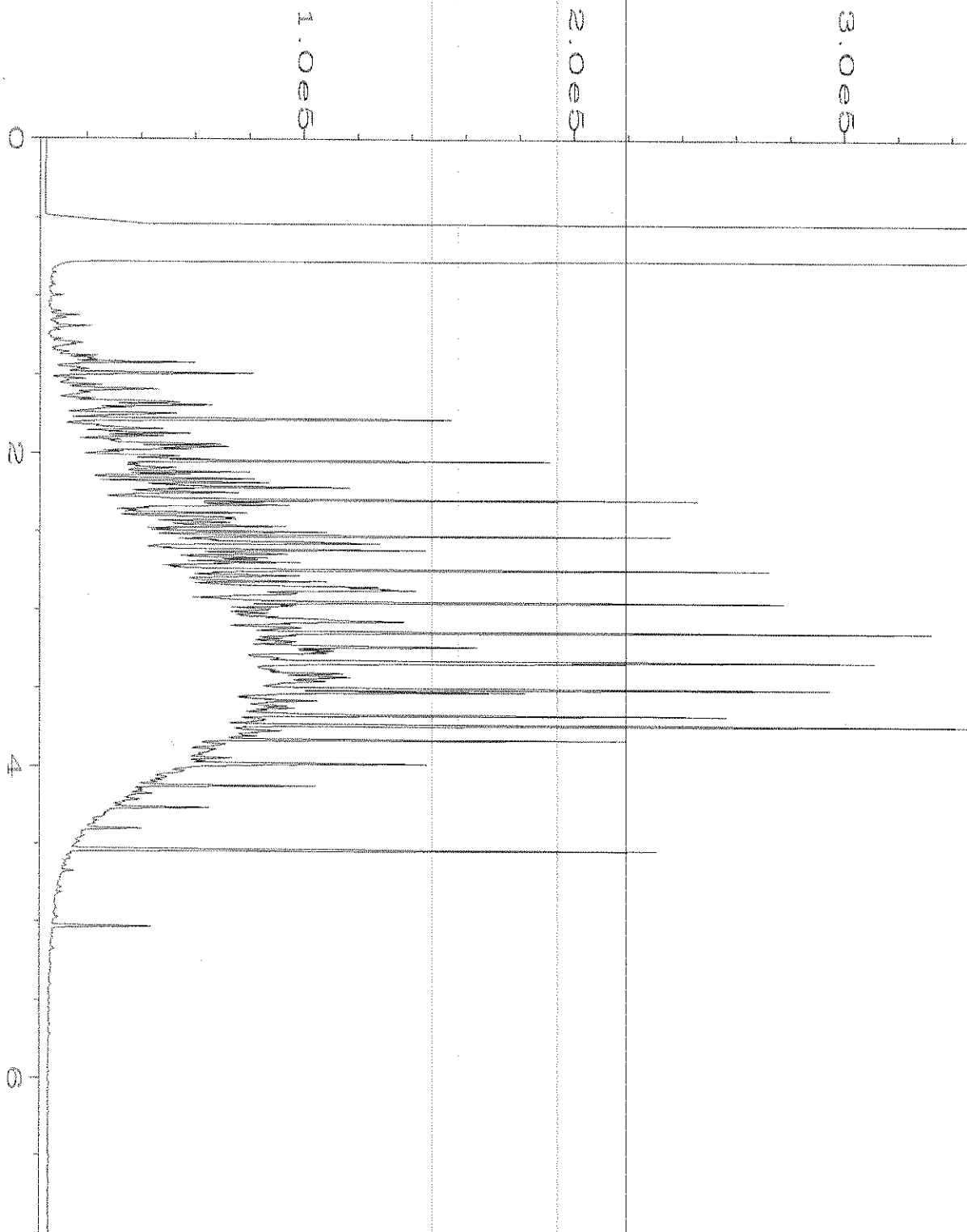
Data File Name	: C:\HPCHEM\6\DATA\05-15-20\014F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 14
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005167-29	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 09:15 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:25 AM		



Data File Name	: C:\HPCHEM\6\DATA\05-15-20\015F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 15
Instrument	: GC6	Injection Number	: 1
Sample Name	: 005167-39	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 09:25 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:25 AM		



Data File Name	: C:\HPCHEM\6\DATA\05-15-20\007F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 7
Instrument	: GC6	Injection Number	: 1
Sample Name	: 00-1127 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 07:59 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:24 AM		



Data File Name	: C:\HPCHEM\6\DATA\05-15-20\005F0601.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC6	Injection Number	: 1
Sample Name	: 1000 Dx 59-162B	Sequence Line	: 6
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 01:12 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 07:24 AM		

005167
 05/13/20

SAMPLE CHAIN OF CUSTODY ME 05/13/20

Page # 2 of 5
 154/ 404

Report To: Ali (Ahmed) J. Sussan Smith

Company: Aspect

Address: _____

City, State, ZIP: _____

Phone: _____ Email: _____

SAMPLERS (signature) <u>[Signature]</u>	
PROJECT NAME <u>SKA & SKA</u>	PO # <u>180587</u>
REMARKS <input checked="" type="checkbox"/> = ALC request 5/14/2020 Project specific RI's? - Yes / No	INVOICE TO <u>AP</u>

TURNAROUND TIME
 Standard turnaround
 RUSH
 Rush charges authorized by: _____

SAMPLE DISPOSAL
 Archive samples
 Other
 Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED							Notes				
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					
AB-20-35	11A-E	5/13/20	1200	Soil	5												
AB-20-40	12		1205		5												
AB-20-45	13		1010		5												
AB-20-50	14		1015		5												
AB-08-2.5	15	5/17/20	1050	Soil	5												
AB-08-5	16		1055		5												
AB-08-7.5	17		1100		5												
AB-08-10	18		1105		5												
AB-08-12.5	19		1110		5												
AB-08-15	20		1115		5												

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>[Signature]</u>		<u>Alicia Deter</u>		<u>Aspect</u>		<u>5/17/20</u>	<u>4:17</u>
Received by: <u>[Signature]</u>		<u>Morgan Schmeckel</u>		<u>FBI</u>		<u>05/13/20</u>	<u>01:17:22</u>
Relinquished by:							
Received by:							

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

Samples received at 2:00

Building PM
 Remains

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

May 28, 2020

Ali Cochrane, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Cochrane:

Included are the results from the testing of material submitted on May 14, 2020 from the Skanska 180587, F&BI 005182 project. There are 27 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. 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: Data Aspect, Jessica Smith
ASP0528R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 14, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska 180587 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
005182 -01	AB-04-2.5
005182 -02	AB-04-5
005182 -03	AB-04-7.5
005182 -04	AB-04-10
005182 -05	AB-04-12.5
005182 -06	AB-04-15
005182 -07	AB-04-20
005182 -08	AB-04-25
005182 -09	AB-04-30
005182 -10	AB-04-35
005182 -11	AB-04-40
005182 -12	AB-04-45
005182 -13	AB-04-50
005182 -14	AB-04-55
005182 -15	AB-04-60
005182 -16	AB-19-2.5
005182 -17	AB-19-5
005182 -18	AB-19-7.5
005182 -19	AB-19-10
005182 -20	AB-19-12.5
005182 -21	AB-19-15
005182 -22	AB-19-20
005182 -23	AB-19-25
005182 -24	AB-19-30
005182 -25	AB-19-35
005182 -26	AB-19-40
005182 -27	AB-19-45
005182 -28	AB-19-50

Several compounds in the 8260D laboratory control sample, laboratory control sample duplicate, and the associated relative percent difference exceeded the acceptance criteria. The analytes were not detected in the samples, therefore the data were acceptable. In addition, the calibration standard failed the acceptance criteria for 2-hexanone. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20
Date Received: 05/14/20
Project: Skanska 180587, F&BI 005182
Date Extracted: 05/15/20
Date Analyzed: 05/15/20

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
USING METHOD NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 58-139)
AB-04-10 005182-04	<5	82
AB-04-30 005182-09	<5	79
AB-04-60 005182-15	<5	84
Method Blank 00-885 MB2	<5	82

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20
Date Received: 05/14/20
Project: Skanska 180587, F&BI 005182
Date Extracted: 05/15/20
Date Analyzed: 05/15/20

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

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 48-168)
AB-04-10 005182-04	<50	<250	101
AB-04-30 005182-09	<50	<250	104
AB-04-60 005182-15	<50	<250	104
Method Blank 00-1129 MB	<50	<250	96

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-04-10	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	005182-04
Date Analyzed:	05/15/20	Data File:	005182-04.068
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	1.49
Barium	37.0
Cadmium	<1
Chromium	17.0
Lead	1.39
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-04-30	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	005182-09
Date Analyzed:	05/15/20	Data File:	005182-09.069
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	19.7
Cadmium	<1
Chromium	10.8
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	AB-04-60	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	005182-15
Date Analyzed:	05/15/20	Data File:	005182-15.070
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	1.68
Barium	46.7
Cadmium	<1
Chromium	18.2
Lead	1.64
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 6020B

Client ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	NA	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	I0-283 mb
Date Analyzed:	05/15/20	Data File:	I0-283 mb.043
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
Arsenic	<1
Barium	<1
Cadmium	<1
Chromium	<1
Lead	<1
Mercury	<1
Selenium	<1
Silver	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	AB-04-10	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	005182-04 1/5
Date Analyzed:	05/15/20	Data File:	051518.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	72	31	163
Benzo(a)anthracene-d12	87	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	AB-04-30	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	005182-09 1/5
Date Analyzed:	05/15/20	Data File:	051519.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	74	31	163
Benzo(a)anthracene-d12	87	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	AB-04-60	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	005182-15 1/5
Date Analyzed:	05/15/20	Data File:	051520.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	78	31	163
Benzo(a)anthracene-d12	90	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270E SIM

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/15/20	Lab ID:	00-1128 mb 1/5
Date Analyzed:	05/15/20	Data File:	051507.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	79	31	163
Benzo(a)anthracene-d12	89	24	168

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-04-10	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-04
Date Analyzed:	05/23/20	Data File:	052279.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	50	150
Toluene-d8	99	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-04-30	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-09
Date Analyzed:	05/20/20	Data File:	052027.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	107	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05 ca		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID: AB-04-60	Client: Aspect Consulting, LLC
Date Received: 05/14/20	Project: Skanska 180587, F&BI 005182
Date Extracted: 05/20/20	Lab ID: 005182-15
Date Analyzed: 05/20/20	Data File: 052028.D
Matrix: Soil	Instrument: GCMS4
Units: mg/kg (ppm) Dry Weight	Operator: MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	50	150
Toluene-d8	107	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05 ca		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-19-5	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-17
Date Analyzed:	05/20/20	Data File:	052029.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	108	50	150
4-Bromofluorobenzene	98	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-19-15	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-21
Date Analyzed:	05/20/20	Data File:	052030.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	108	50	150
4-Bromofluorobenzene	102	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-19-25	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-23
Date Analyzed:	05/20/20	Data File:	052031.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	99	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-19-35	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-25
Date Analyzed:	05/20/20	Data File:	052032.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	50	150
Toluene-d8	107	50	150
4-Bromofluorobenzene	100	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	AB-19-45	Client:	Aspect Consulting, LLC
Date Received:	05/14/20	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	005182-27
Date Analyzed:	05/20/20	Data File:	052033.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	111	50	150
Toluene-d8	108	50	150
4-Bromofluorobenzene	101	50	150

Compounds:	Concentration mg/kg (ppm)
Vinyl chloride	<0.005
Chloroethane	<0.05
1,1-Dichloroethene	<0.005
Methylene chloride	<0.05
trans-1,2-Dichloroethene	<0.005
1,1-Dichloroethane	<0.005
cis-1,2-Dichloroethene	<0.005
1,2-Dichloroethane (EDC)	<0.005
1,1,1-Trichloroethane	<0.005
Trichloroethene	<0.003
Tetrachloroethene	<0.005

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260D Direct Sparge

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587, F&BI 005182
Date Extracted:	05/20/20	Lab ID:	00-1069 mb
Date Analyzed:	05/20/20	Data File:	052012.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	50	150
Toluene-d8	106	50	150
4-Bromofluorobenzene	95	50	150

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.05	1,3-Dichloropropane	<0.005
Chloromethane	<0.05	Tetrachloroethene	<0.005
Vinyl chloride	<0.005	Dibromochloromethane	<0.005
Bromomethane	<0.05	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.05	Chlorobenzene	<0.005
Trichlorofluoromethane	<0.05	Ethylbenzene	<0.005
Acetone	<0.1	1,1,1,2-Tetrachloroethane	<0.005
1,1-Dichloroethene	<0.005	m,p-Xylene	<0.01
Hexane	<0.025	o-Xylene	<0.005
Methylene chloride	<0.05	Styrene	<0.005
Methyl t-butyl ether (MTBE)	<0.005	Isopropylbenzene	<0.005
trans-1,2-Dichloroethene	<0.005	Bromoform	<0.005
1,1-Dichloroethane	<0.005	n-Propylbenzene	<0.005
2,2-Dichloropropane	<0.005	Bromobenzene	<0.005
cis-1,2-Dichloroethene	<0.005	1,3,5-Trimethylbenzene	<0.005
Chloroform	<0.005	1,1,2,2-Tetrachloroethane	<0.005
2-Butanone (MEK)	<0.05	1,2,3-Trichloropropane	<0.005
1,2-Dichloroethane (EDC)	<0.005	2-Chlorotoluene	<0.005
1,1,1-Trichloroethane	<0.005	4-Chlorotoluene	<0.005
1,1-Dichloropropene	<0.005	tert-Butylbenzene	<0.005
Carbon tetrachloride	<0.005	1,2,4-Trimethylbenzene	<0.005
Benzene	<0.003	sec-Butylbenzene	<0.005
Trichloroethene	<0.003	p-Isopropyltoluene	<0.005
1,2-Dichloropropane	<0.005	1,3-Dichlorobenzene	<0.005
Bromodichloromethane	<0.005	1,4-Dichlorobenzene	<0.005
Dibromomethane	<0.005	1,2-Dichlorobenzene	<0.005
4-Methyl-2-pentanone	<0.05	1,2-Dibromo-3-chloropropane	<0.05
cis-1,3-Dichloropropene	<0.005	1,2,4-Trichlorobenzene	<0.025
Toluene	<0.005	Hexachlorobutadiene	<0.025
trans-1,3-Dichloropropene	<0.005	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.005	1,2,3-Trichlorobenzene	<0.025
2-Hexanone	<0.05 ca		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20

Date Received: 05/14/20

Project: Skanska 180587, F&BI 005182

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR TPH AS GASOLINE
USING METHOD NWTPH-G_x**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	mg/kg (ppm)	20	100	100	71-131	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20

Date Received: 05/14/20

Project: Skanska 180587, F&BI 005182

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

Laboratory Code: 005182-04 (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	110	100	73-135	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	102	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20

Date Received: 05/14/20

Project: Skanska 180587, F&BI 005182

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL METALS USING EPA METHOD 6020B**

Laboratory Code: 005173-08 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	<1	80	83	75-125	4
Barium	mg/kg (ppm)	50	26.7	111	122	75-125	9
Cadmium	mg/kg (ppm)	10	<1	97	98	75-125	1
Chromium	mg/kg (ppm)	50	10.4	86	88	75-125	2
Lead	mg/kg (ppm)	50	1.84	88	88	75-125	0
Mercury	mg/kg (ppm)	5	<1	87	91	75-125	4
Selenium	mg/kg (ppm)	5	<1	86	86	75-125	0
Silver	mg/kg (ppm)	10	<1	100	104	75-125	4

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	81	80-120
Barium	mg/kg (ppm)	50	101	80-120
Cadmium	mg/kg (ppm)	10	100	80-120
Chromium	mg/kg (ppm)	50	106	80-120
Lead	mg/kg (ppm)	50	99	80-120
Mercury	mg/kg (ppm)	5	95	80-120
Selenium	mg/kg (ppm)	5	93	80-120
Silver	mg/kg (ppm)	10	106	80-120

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20

Date Received: 05/14/20

Project: Skanska 180587, F&BI 005182

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL
SAMPLES FOR PAHS BY EPA METHOD 8270E SIM**

Laboratory Code: 005167-29 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.17	<0.01	73	73	44-129	0
Acenaphthylene	mg/kg (ppm)	0.17	<0.01	66	66	52-121	0
Acenaphthene	mg/kg (ppm)	0.17	<0.01	71	71	51-123	0
Fluorene	mg/kg (ppm)	0.17	<0.01	67	68	37-137	1
Phenanthrene	mg/kg (ppm)	0.17	<0.01	79	78	34-141	1
Anthracene	mg/kg (ppm)	0.17	<0.01	73	72	32-124	1
Fluoranthene	mg/kg (ppm)	0.17	<0.01	74	75	16-160	1
Pyrene	mg/kg (ppm)	0.17	<0.01	79	78	10-180	1
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	82	81	23-144	1
Chrysene	mg/kg (ppm)	0.17	<0.01	85	85	32-149	0
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	71	70	23-176	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	76	73	42-139	4
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	68	66	21-163	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	76	68	23-170	11
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	79	74	31-146	7
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	<0.01	77	71	37-133	8

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.17	78	58-121
Acenaphthylene	mg/kg (ppm)	0.17	70	54-121
Acenaphthene	mg/kg (ppm)	0.17	76	54-123
Fluorene	mg/kg (ppm)	0.17	72	56-127
Phenanthrene	mg/kg (ppm)	0.17	81	55-122
Anthracene	mg/kg (ppm)	0.17	75	50-120
Fluoranthene	mg/kg (ppm)	0.17	75	54-129
Pyrene	mg/kg (ppm)	0.17	83	53-127
Benz(a)anthracene	mg/kg (ppm)	0.17	82	51-115
Chrysene	mg/kg (ppm)	0.17	86	55-129
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	70	56-123
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	73	54-131
Benzo(a)pyrene	mg/kg (ppm)	0.17	67	51-118
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	72	49-148
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	81	50-141
Benzo(g,h,i)perylene	mg/kg (ppm)	0.17	78	52-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20

Date Received: 05/14/20

Project: Skanska 180587, F&BI 005182

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: 005167-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet wt)	Duplicate Result (Wet wt)	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloromethane	mg/kg (ppm)	<0.05	<0.05	nm
Vinyl chloride	mg/kg (ppm)	<0.005	<0.005	nm
Bromomethane	mg/kg (ppm)	<0.05	<0.05	nm
Chloroethane	mg/kg (ppm)	<0.05	<0.05	nm
Trichlorofluoromethane	mg/kg (ppm)	<0.05	<0.05	nm
Acetone	mg/kg (ppm)	<0.1	<0.1	nm
1,1-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Hexane	mg/kg (ppm)	<0.025	<0.025	nm
Methylene chloride	mg/kg (ppm)	<0.05	<0.05	nm
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
cis-1,2-Dichloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Chloroform	mg/kg (ppm)	<0.005	<0.005	nm
2-Butanone (MEK)	mg/kg (ppm)	<0.05	<0.05	nm
1,2-Dichloroethane (EDC)	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,1-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Carbon tetrachloride	mg/kg (ppm)	<0.005	<0.005	nm
Benzene	mg/kg (ppm)	<0.003	<0.003	nm
Trichloroethene	mg/kg (ppm)	<0.003	<0.003	nm
1,2-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Bromodichloromethane	mg/kg (ppm)	<0.005	<0.005	nm
Dibromomethane	mg/kg (ppm)	<0.005	<0.005	nm
4-Methyl-2-pentanone	mg/kg (ppm)	<0.05	<0.05	nm
cis-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
Toluene	mg/kg (ppm)	<0.005	<0.005	nm
trans-1,3-Dichloropropene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2-Trichloroethane	mg/kg (ppm)	<0.005	<0.005	nm
2-Hexanone	mg/kg (ppm)	<0.05	<0.05	nm
1,3-Dichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
Tetrachloroethene	mg/kg (ppm)	<0.005	<0.005	nm
Dibromochloromethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromoethane (EDB)	mg/kg (ppm)	<0.005	<0.005	nm
Chlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
Ethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
m,p-Xylene	mg/kg (ppm)	<0.01	<0.01	nm
o-Xylene	mg/kg (ppm)	<0.005	<0.005	nm
Styrene	mg/kg (ppm)	<0.005	<0.005	nm
Isopropylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromoform	mg/kg (ppm)	<0.005	<0.005	nm
n-Propylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
Bromobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,3,5-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichloropropane	mg/kg (ppm)	<0.005	<0.005	nm
2-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
4-Chlorotoluene	mg/kg (ppm)	<0.005	<0.005	nm
tert-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,4-Trimethylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
sec-Butylbenzene	mg/kg (ppm)	<0.005	<0.005	nm
p-Isopropyltoluene	mg/kg (ppm)	<0.005	<0.005	nm
1,3-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,4-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dichlorobenzene	mg/kg (ppm)	<0.005	<0.005	nm
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	<0.05	<0.05	nm
1,2,4-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm
Hexachlorobutadiene	mg/kg (ppm)	<0.025	<0.025	nm
Naphthalene	mg/kg (ppm)	<0.005	<0.005	nm
1,2,3-Trichlorobenzene	mg/kg (ppm)	<0.025	<0.025	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/28/20

Date Received: 05/14/20

Project: Skanska 180587, F&BI 005182

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR VOLATILES BY EPA METHOD 8260D DIRECT SPARGE**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	0.05	117	120	70-130	3
Chloromethane	mg/kg (ppm)	0.05	108	118	70-130	9
Vinyl chloride	mg/kg (ppm)	0.05	117	125	70-130	7
Bromomethane	mg/kg (ppm)	0.05	116	127	70-130	9
Chloroethane	mg/kg (ppm)	0.05	114	125	70-130	9
Trichlorofluoromethane	mg/kg (ppm)	0.05	124	130	70-130	5
Acetone	mg/kg (ppm)	0.25	102	134 vo	70-130	27 vo
1,1-Dichloroethene	mg/kg (ppm)	0.05	121	130	70-130	7
Hexane	mg/kg (ppm)	0.05	120	125	70-130	4
Methylene chloride	mg/kg (ppm)	0.05	106	118	70-130	11
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	0.05	118	129	70-130	9
trans-1,2-Dichloroethene	mg/kg (ppm)	0.05	123	132 vo	70-130	7
1,1-Dichloroethane	mg/kg (ppm)	0.05	120	131 vo	70-130	9
2,2-Dichloropropane	mg/kg (ppm)	0.05	127	133 vo	70-130	5
cis-1,2-Dichloroethene	mg/kg (ppm)	0.05	118	130	70-130	10
Chloroform	mg/kg (ppm)	0.05	119	131 vo	70-130	10
2-Butanone (MEK)	mg/kg (ppm)	0.25	104	124	70-130	18
1,2-Dichloroethane (EDC)	mg/kg (ppm)	0.05	114	126	70-130	10
1,1,1-Trichloroethane	mg/kg (ppm)	0.05	128	137 vo	70-130	7
1,1-Dichloropropene	mg/kg (ppm)	0.05	123	132 vo	70-130	7
Carbon tetrachloride	mg/kg (ppm)	0.05	123 vo	140 vo	70-130	5
Benzene	mg/kg (ppm)	0.05	117	128	70-130	9
Trichloroethene	mg/kg (ppm)	0.05	117	129	70-130	10
1,2-Dichloropropane	mg/kg (ppm)	0.05	115	127	70-130	10
Bromodichloromethane	mg/kg (ppm)	0.05	118	131 vo	70-130	10
Dibromomethane	mg/kg (ppm)	0.05	117	131 vo	70-130	11
4-Methyl-2-pentanone	mg/kg (ppm)	0.25	110	127	70-130	14
cis-1,3-Dichloropropene	mg/kg (ppm)	0.05	117	131 vo	70-130	11
Toluene	mg/kg (ppm)	0.05	102	109	70-130	7
trans-1,3-Dichloropropene	mg/kg (ppm)	0.05	100	110	70-130	10
1,1,2-Trichloroethane	mg/kg (ppm)	0.05	95	105	70-130	10
2-Hexanone	mg/kg (ppm)	0.25	89	102	70-130	14
1,3-Dichloropropane	mg/kg (ppm)	0.05	98	108	70-130	10
Tetrachloroethene	mg/kg (ppm)	0.05	108	114	70-130	5
Dibromochloromethane	mg/kg (ppm)	0.05	103	112	70-130	8
1,2-Dibromoethane (EDB)	mg/kg (ppm)	0.05	100	110	70-130	10
Chlorobenzene	mg/kg (ppm)	0.05	101	109	70-130	8
Ethylbenzene	mg/kg (ppm)	0.05	104	111	70-130	7
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	0.05	107	115	70-130	7
m,p-Xylene	mg/kg (ppm)	0.1	105	111	70-130	6
o-Xylene	mg/kg (ppm)	0.05	106	112	70-130	6
Styrene	mg/kg (ppm)	0.05	103	111	70-130	7
Isopropylbenzene	mg/kg (ppm)	0.05	109	114	70-130	4
Bromoform	mg/kg (ppm)	0.05	107	116	70-130	8
n-Propylbenzene	mg/kg (ppm)	0.05	101	105	70-130	4
Bromobenzene	mg/kg (ppm)	0.05	96	102	70-130	6
1,3,5-Trimethylbenzene	mg/kg (ppm)	0.05	102	106	70-130	4
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	0.05	96	104	70-130	8
1,2,3-Trichloropropane	mg/kg (ppm)	0.05	89	98	70-130	10
2-Chlorotoluene	mg/kg (ppm)	0.05	99	103	70-130	4
4-Chlorotoluene	mg/kg (ppm)	0.05	99	105	70-130	6
tert-Butylbenzene	mg/kg (ppm)	0.05	105	108	70-130	3
1,2,4-Trimethylbenzene	mg/kg (ppm)	0.05	101	105	70-130	4
sec-Butylbenzene	mg/kg (ppm)	0.05	105	108	70-130	3
p-Isopropyltoluene	mg/kg (ppm)	0.05	104	108	70-130	4
1,3-Dichlorobenzene	mg/kg (ppm)	0.05	99	105	70-130	6
1,4-Dichlorobenzene	mg/kg (ppm)	0.05	98	102	70-130	4
1,2-Dichlorobenzene	mg/kg (ppm)	0.05	98	102	70-130	4
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	0.05	101	108	70-130	7
1,2,4-Trichlorobenzene	mg/kg (ppm)	0.05	104	106	70-130	2
Hexachlorobutadiene	mg/kg (ppm)	0.05	109	111	70-130	2
Naphthalene	mg/kg (ppm)	0.05	94	101	70-130	7
1,2,3-Trichlorobenzene	mg/kg (ppm)	0.05	102	105	70-130	3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

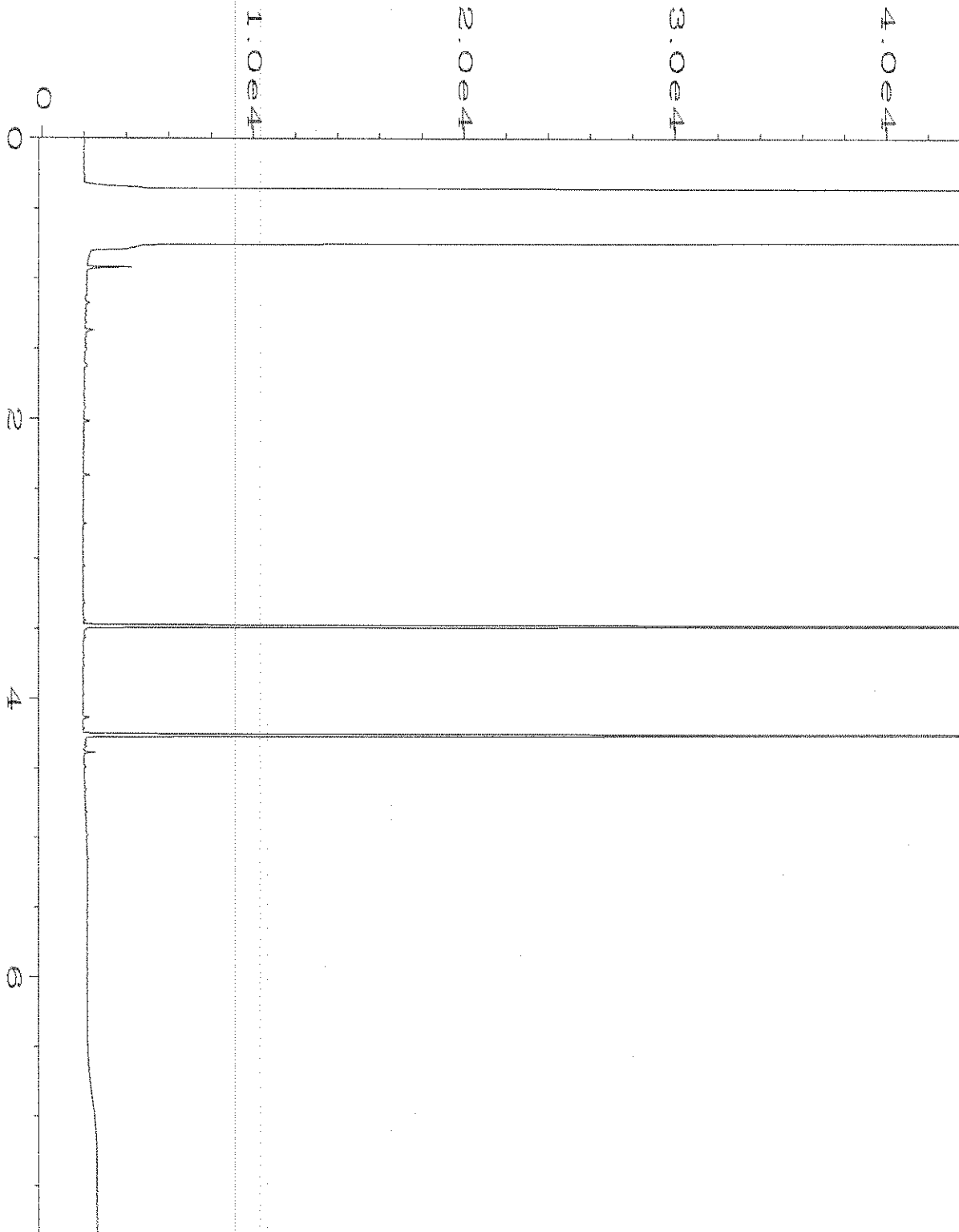
nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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.

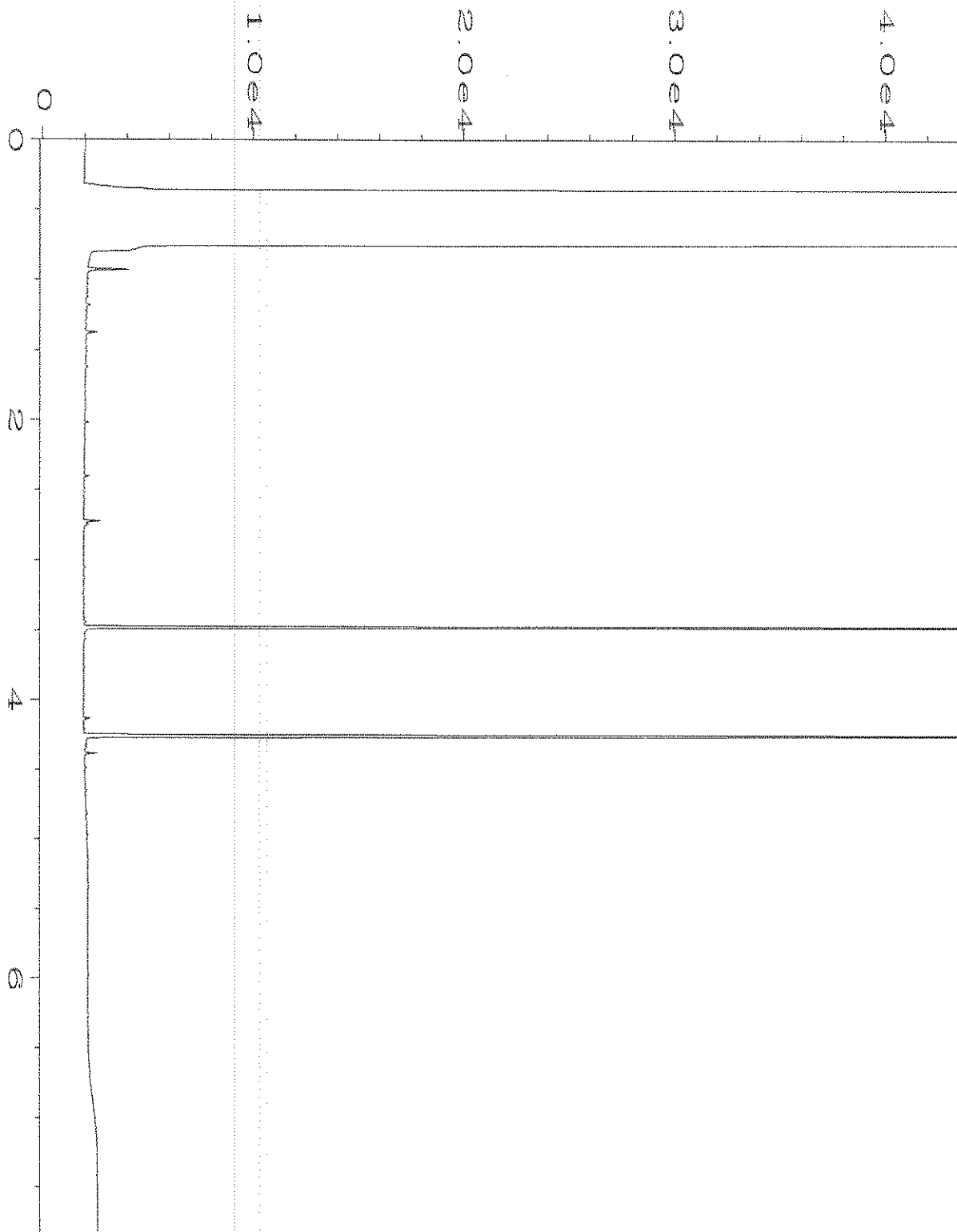
ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

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

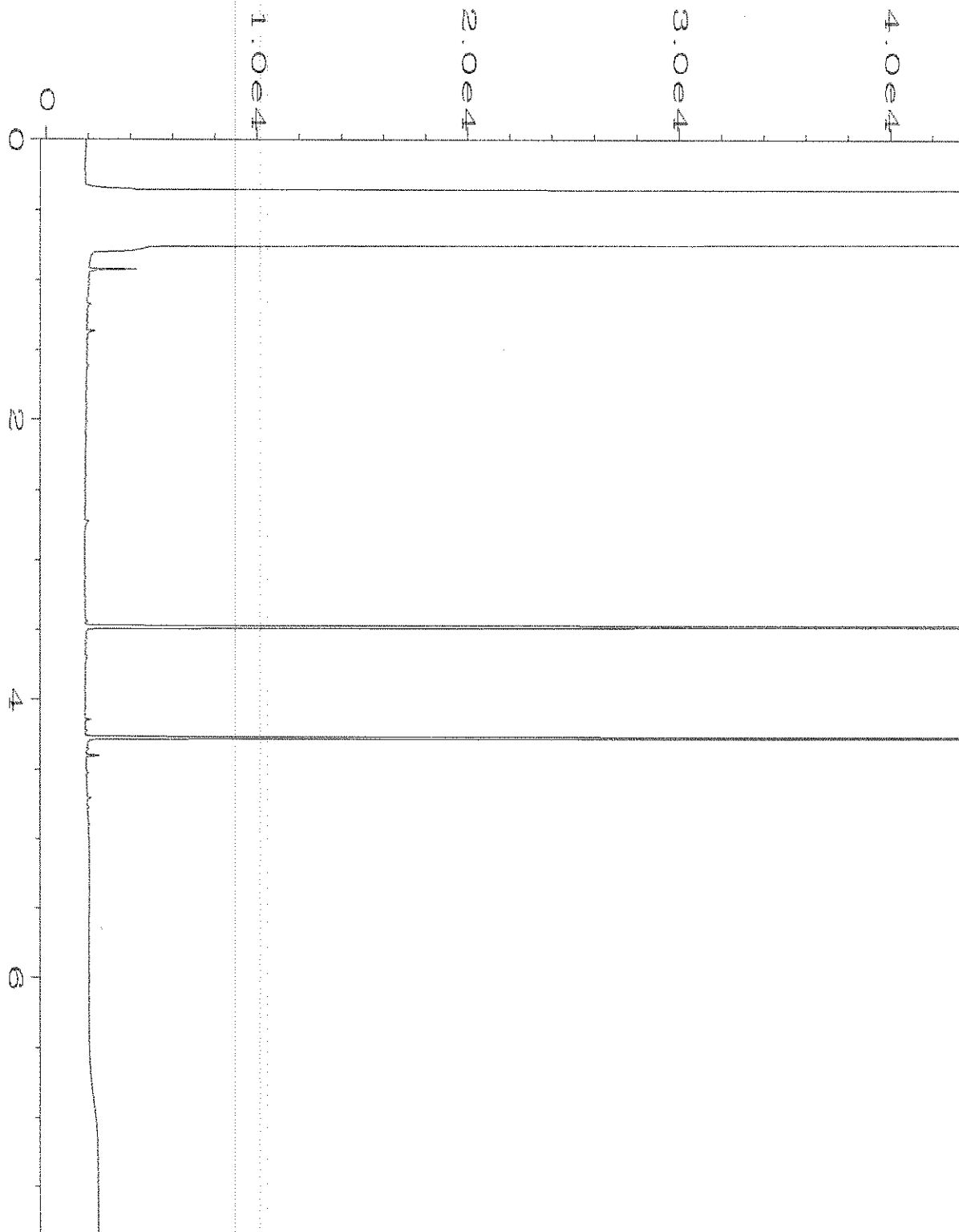
x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.



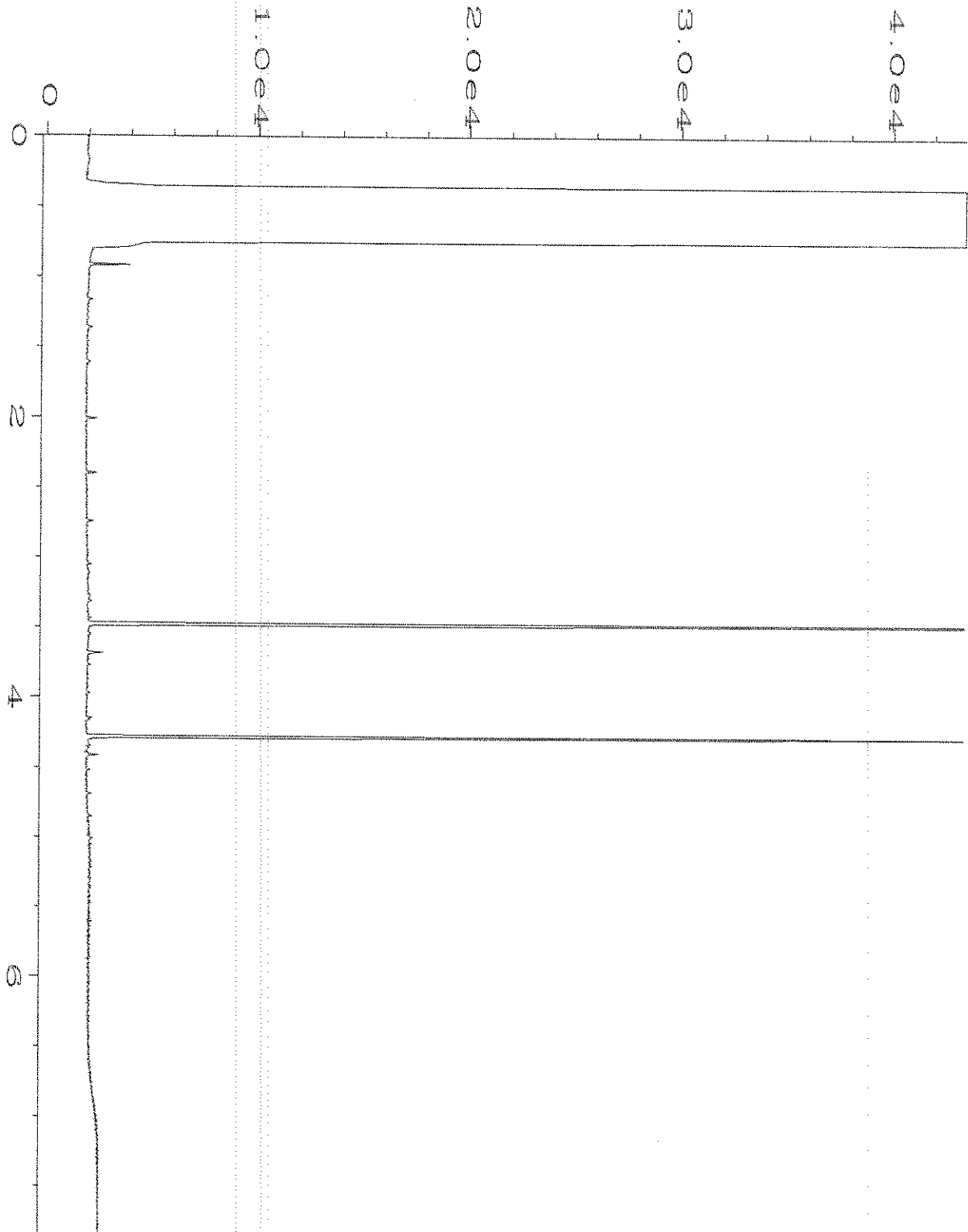
Data File Name	: C:\HPCHEM\4\DATA\05-15-20\010F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 10
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005182-04	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 10:29 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 06:44 AM		



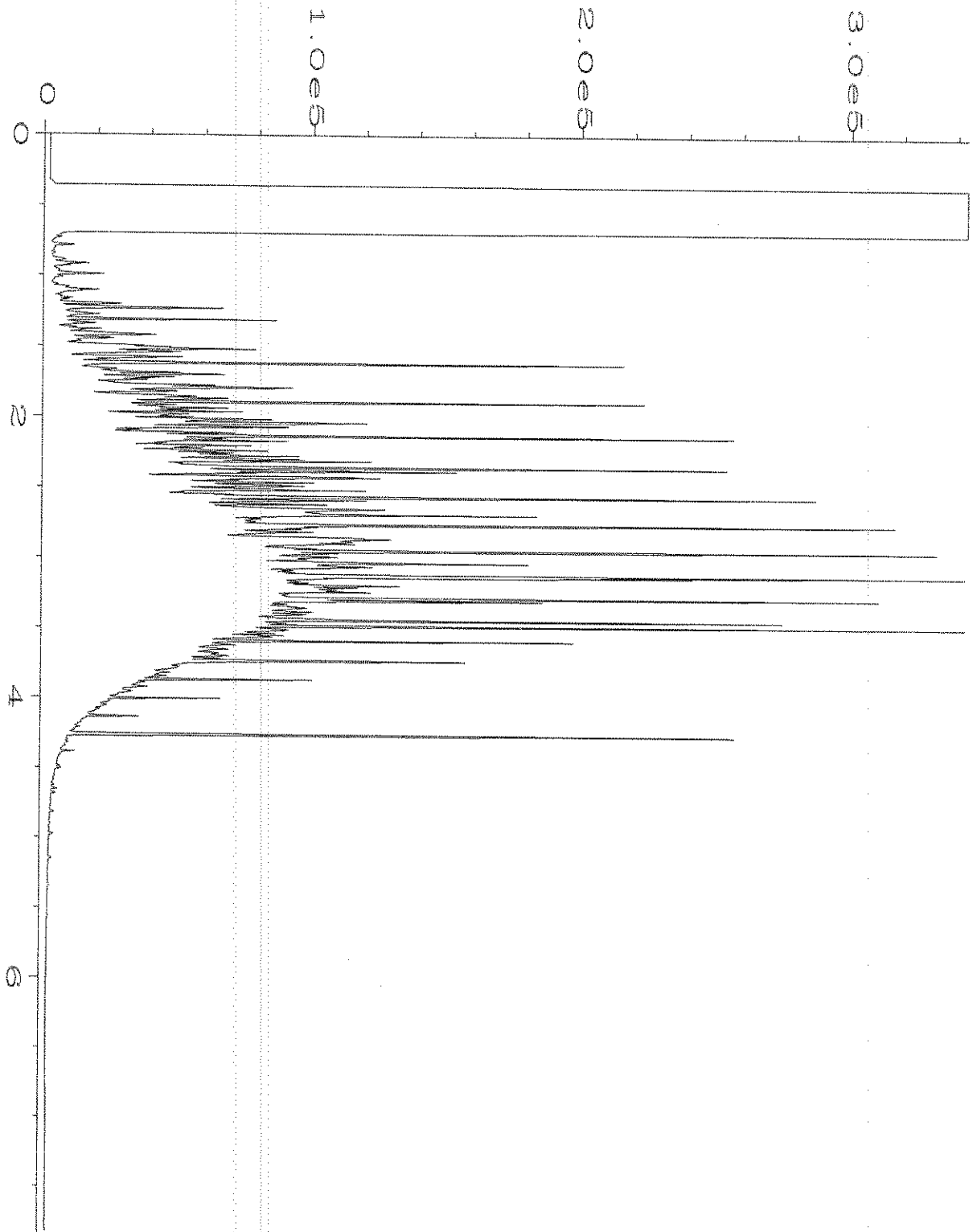
Data File Name	: C:\HPCHEM\4\DATA\05-15-20\011F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 11
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005182-09	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 10:41 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 06:44 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-15-20\012F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 12
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 005182-15	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 11:04 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 06:44 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-15-20\006F0301.D	Page Number	: 1
Operator	: TL	Vial Number	: 6
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 00-1129 mb	Sequence Line	: 3
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 09:43 AM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 06:44 AM		



Data File Name	: C:\HPCHEM\4\DATA\05-15-20\005F0501.D	Page Number	: 1
Operator	: TL	Vial Number	: 5
Instrument	: GC#4	Injection Number	: 1
Sample Name	: 1000 Dx 59-162B	Sequence Line	: 5
Run Time Bar Code:		Instrument Method:	DX.MTH
Acquired on	: 15 May 20 02:42 PM	Analysis Method	: DEFAULT.MTH
Report Created on:	18 May 20 06:44 AM		

005182

SAMPLE CHAIN OF CUSTODY

ME 05/14/20

v 54/424

Report To: Al Cochran, Jessica Smith

Company: Aspect Consulting

Address: 710 2nd Ave Suite 550

City, State, ZIP: Seattle WA, 98104

Phone: _____ Email: alcochran@aspectconsulting.com

SAMPLERS (signature) Dylan Branscum

PROJECT NAME: Stankova

PO #: 180587

REMARKS: AP

= ALC request 5-15-2020

Project specific RIs? - Yes / No

TURNAROUND TIME: Standard turnaround

Standard turnaround
 RUSH
Rush charges authorized by: _____

SAMPLE DISPOSAL: Archive samples
 Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED								Notes	
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	<input type="checkbox"/> CVOCs		<input type="checkbox"/> RCRA8
AB-04-2.5	01	A-E 5/14/20	0925	Soil	6										* pending PM review
AB-04-5	02		0930		6										
AB-04-7.5	03		0935		6										
AB-04-10	04		0940		6										
AB-04-12.5	05		0945		6										
AB-04-15	06		0950		6										
AB-04-20	07		0955		6										
AB-04-25	08		1015		6										
AB-04-30	09		1020		6										
AB-04-35	10		1025		6										

SIGNATURE

PRINT NAME

COMPANY

DATE TIME

Friedman & Bryna, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Relinquished by: Dylan Branscum

Received by: M. Phan

Relinquished by: _____

Received by: _____

Dylan Branscum

M. Phan

Aspect

FEBI

5/14/20 1420

5/14/20 1420

Samples received at

4 °C

005182

SAMPLE CHAIN OF CUSTODY

ME 05/14/20

VS4/704

Report To: Ali Cochran, Jessica Smith

Company: _____

Address: _____

City, State, ZIP: _____

Phone: _____ Email: _____

SAMPLERS (signature) *[Signature]*

PROJECT NAME

SKANSKA

PO #

180587

REMARKS

= ALC request 5-15-2020

Project specific RIs? - Yes / No

INVOICE TO

AP

Page # 2 of 3

TURNAROUND TIME

Standard turnaround
 RUSH
Rush charges authorized by: _____

SAMPLE DISPOSAL

Archive samples
 Other _____

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	<input type="checkbox"/> CVOCs	<input type="checkbox"/> RCRAS				
AB-04-40	11 A-F	5/14/20	1030	Soil	6													* Pending PM review
AB-04-45	12		1035		6													
AB-04-50	13		1040		6													
AB-04-55	14		1045		6													
AB-04-60	15		1050		6													
AB-19-2.5	16 A-F		1135		5													
AB-19-5	17		1140		5													
AB-19-7.5	18		1145		5													
AB-19-10	19		1150		5													
AB-19-12.5	20		1155		5													

SIGNATURE

Relinquished by: *[Signature]*

PRINT NAME

Dylan Branscum

COMPANY

Aspect

DATE

5/14/20 1420

TIME

Received by: *[Signature]*

Relinquished by: *[Signature]*

Mhann Pham

Fe & T

5/14/20 1420

Received by:

Samples received at

4 °C

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

005182

SAMPLE CHAIN OF CUSTODY

ME 05/14/20

VS4/704

Report To Ali Cochran, Jessica Smith

Company _____

Address _____

City, State, ZIP _____

Phone _____ Email _____

SAMPLERS (signature) Dylan Branscum

PROJECT NAME

SKANSKA

PO #

180587

REMARKS

ALC request 5-15-2020

Project specific RIs? - Yes / No

INVOICE TO

AP

Page # 3 of 3

TURNAROUND TIME

Standard turnaround

RUSH

Rush charges authorized by: _____

SAMPLE DISPOSAL

Archive samples

Other

Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED										Notes		
						NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	<input type="checkbox"/> CVOCs	<input type="checkbox"/> RCRA8				
AB-19-15	21 A-E	5/14/20	1200	Soil	5													* pending PM request
AB-19-20	22		1205		5													
AB-19-25	23		1210		5													
AB-19-30	24		1215		5													
AB-19-35	25		1220		5													
AB-19-40	26		1225		5													
AB-19-45	27		1230		5													
AB-19-50	28		1235		5													

Friedman & Brya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE		PRINT NAME		COMPANY		DATE	TIME
Relinquished by: <u>Dylan Branscum</u>		Dylan Branscum		Aspect		5/14/20	1420
Received by: <u>Molly Evans</u>		Molly Evans		FER T		5/14/20	1420
Relinquished by:							
Received by:				Samples received at		4	00



Aspect Consulting

Ali Cochrane
710 2nd Ave, Suite 550
Seattle, WA 98104

**RE: Skanska NE 8th
Work Order Number: 2103472**

March 30, 2021

Attention Ali Cochrane:

Fremont Analytical, Inc. received 4 sample(s) on 3/27/2021 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 7471
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020B
Volatile Organic Compounds by EPA Method 8260D

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,

Brianna Barnes
Project Manager

CC:
Amelia Oates
Jessica Smith

*DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910*

Original



Date: 03/30/2021

CLIENT: Aspect Consulting
Project: Skanska NE 8th
Work Order: 2103472

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2103472-001	AMW-03-04-COMP	03/27/2021 1:00 PM	03/27/2021 5:47 PM
2103472-002	AMW-03-15	03/27/2021 11:55 AM	03/27/2021 5:47 PM
2103472-003	AMW-03-30	03/27/2021 12:20 PM	03/27/2021 5:47 PM
2103472-004	AMW-03-45	03/27/2021 12:30 PM	03/27/2021 5:47 PM

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

Original

CLIENT: Aspect Consulting
Project: Skanska NE 8th

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.

Qualifiers:

- * - Flagged value is not within established control limits
- 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
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Analytical Report

Work Order: 2103472
Date Reported: 3/30/2021

Client: Aspect Consulting

Collection Date: 3/27/2021 1:00:00 PM

Project: Skanska NE 8th

Lab ID: 2103472-001

Matrix: Soil

Client Sample ID: AMW-03-04-COMP

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

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

Batch ID: 31813 Analyst: MM

Diesel (Fuel Oil)	ND	45.8		mg/Kg-dry	1	3/29/2021 5:51:53 PM
Heavy Oil	ND	91.6		mg/Kg-dry	1	3/29/2021 5:51:53 PM
Surr: 2-Fluorobiphenyl	86.0	50 - 150		%Rec	1	3/29/2021 5:51:53 PM
Surr: o-Terphenyl	86.7	50 - 150		%Rec	1	3/29/2021 5:51:53 PM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 31812 Analyst: SB

Naphthalene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
2-Methylnaphthalene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
1-Methylnaphthalene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Acenaphthylene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Acenaphthene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Fluorene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Phenanthrene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Anthracene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Fluoranthene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Pyrene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Benz(a)anthracene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Chrysene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Benzo(b)fluoranthene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Benzo(k)fluoranthene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Benzo(a)pyrene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Indeno(1,2,3-cd)pyrene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Dibenz(a,h)anthracene	ND	37.0		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Benzo(g,h,i)perylene	ND	18.5		µg/Kg-dry	1	3/30/2021 1:32:02 PM
Surr: 2-Fluorobiphenyl	76.3	19 - 135		%Rec	1	3/30/2021 1:32:02 PM
Surr: Terphenyl-d14 (surr)	79.7	42.9 - 156		%Rec	1	3/30/2021 1:32:02 PM

Gasoline by NWTPH-Gx

Batch ID: 31799 Analyst: CR

Gasoline	ND	2.49		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Surr: Toluene-d8	100	65 - 135		%Rec	1	3/30/2021 4:14:17 AM
Surr: 4-Bromofluorobenzene	99.9	65 - 135		%Rec	1	3/30/2021 4:14:17 AM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31799 Analyst: CR

Dichlorodifluoromethane (CFC-12)	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Chloromethane	ND	0.0249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Vinyl chloride	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM

Original



Analytical Report

Work Order: 2103472
Date Reported: 3/30/2021

Client: Aspect Consulting

Collection Date: 3/27/2021 1:00:00 PM

Project: Skanska NE 8th

Lab ID: 2103472-001

Matrix: Soil

Client Sample ID: AMW-03-04-COMP

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31799

Analyst: CR

Bromomethane	ND	0.0249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Trichlorofluoromethane (CFC-11)	ND	0.00996	Q	mg/Kg-dry	1	3/30/2021 4:14:17 AM
Chloroethane	ND	0.0249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1-Dichloroethene	ND	0.00996	Q	mg/Kg-dry	1	3/30/2021 4:14:17 AM
Methylene chloride	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
trans-1,2-Dichloroethene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Methyl tert-butyl ether (MTBE)	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1-Dichloroethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
cis-1,2-Dichloroethene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Chloroform	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1,1-Trichloroethane (TCA)	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1-Dichloropropene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Carbon tetrachloride	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2-Dichloroethane (EDC)	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Benzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Trichloroethene (TCE)	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2-Dichloropropane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Bromodichloromethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Dibromomethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
cis-1,3-Dichloropropene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Toluene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
trans-1,3-Dichloropropylene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1,2-Trichloroethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,3-Dichloropropane	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Tetrachloroethene (PCE)	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Dibromochloromethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2-Dibromoethane (EDB)	ND	0.00249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Chlorobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1,1,2-Tetrachloroethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Ethylbenzene	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
m,p-Xylene	ND	0.0249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
o-Xylene	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Styrene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Isopropylbenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Bromoform	ND	0.0249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,1,2,2-Tetrachloroethane	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
n-Propylbenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Bromobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,3,5-Trimethylbenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM



Analytical Report

Work Order: 2103472
Date Reported: 3/30/2021

Client: Aspect Consulting

Collection Date: 3/27/2021 1:00:00 PM

Project: Skanska NE 8th

Lab ID: 2103472-001

Matrix: Soil

Client Sample ID: AMW-03-04-COMP

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 31799

Analyst: CR

2-Chlorotoluene	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
4-Chlorotoluene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
tert-Butylbenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2,3-Trichloropropane	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2,4-Trichlorobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
sec-Butylbenzene	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
4-Isopropyltoluene	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,3-Dichlorobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,4-Dichlorobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
n-Butylbenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2-Dichlorobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2-Dibromo-3-chloropropane	ND	0.249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2,4-Trimethylbenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Hexachloro-1,3-butadiene	ND	0.0125		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Naphthalene	ND	0.0249		mg/Kg-dry	1	3/30/2021 4:14:17 AM
1,2,3-Trichlorobenzene	ND	0.00996		mg/Kg-dry	1	3/30/2021 4:14:17 AM
Surr: Dibromofluoromethane	100	82.3 - 112		%Rec	1	3/30/2021 4:14:17 AM
Surr: Toluene-d8	102	90.7 - 109		%Rec	1	3/30/2021 4:14:17 AM
Surr: 1-Bromo-4-fluorobenzene	98.5	88.4 - 109		%Rec	1	3/30/2021 4:14:17 AM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Mercury by EPA Method 7471

Batch ID: 31814

Analyst: LB

Mercury	ND	0.239		mg/Kg-dry	1	3/30/2021 12:33:02 PM
---------	----	-------	--	-----------	---	-----------------------

Total Metals by EPA Method 6020B

Batch ID: 31803

Analyst: TN

Arsenic	2.24	0.0995		mg/Kg-dry	1	3/29/2021 5:35:43 PM
Barium	56.1	0.498		mg/Kg-dry	1	3/29/2021 5:35:43 PM
Cadmium	ND	0.166		mg/Kg-dry	1	3/29/2021 5:35:43 PM
Chromium	21.9	0.332		mg/Kg-dry	1	3/29/2021 5:35:43 PM
Lead	1.93	0.166		mg/Kg-dry	1	3/29/2021 5:35:43 PM
Selenium	0.718	0.166		mg/Kg-dry	1	3/29/2021 5:35:43 PM
Silver	ND	0.124		mg/Kg-dry	1	3/29/2021 5:35:43 PM

Sample Moisture (Percent Moisture)

Batch ID: R66167

Analyst: CH

Percent Moisture	6.56			wt%	1	3/29/2021 2:09:28 PM
------------------	------	--	--	-----	---	----------------------

Original

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: MB-31803	SampType: MBLK	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66186							
Client ID: MBLKS	Batch ID: 31803		Analysis Date: 3/29/2021	SeqNo: 1331834							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0896									
Barium	ND	0.448									
Cadmium	ND	0.149									
Chromium	ND	0.299									
Lead	ND	0.149									
Selenium	ND	0.149									
Silver	ND	0.112									

Sample ID: LCS-31803	SampType: LCS	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66186							
Client ID: LCSS	Batch ID: 31803		Analysis Date: 3/29/2021	SeqNo: 1331837							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	35.5	0.0902	37.59	0	94.4	80	120				
Barium	37.0	0.451	37.59	0	98.5	80	120				
Cadmium	1.80	0.150	1.880	0	95.7	80	120				
Chromium	37.6	0.301	37.59	0	100	80	120				
Lead	18.7	0.150	18.80	0	99.7	80	120				
Selenium	3.25	0.150	3.759	0	86.5	80	120				
Silver	1.75	0.113	1.880	0	93.2	80	120				

Sample ID: 2103472-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/29/2021	RunNo: 66186							
Client ID: AMW-03-04-COMP	Batch ID: 31803		Analysis Date: 3/29/2021	SeqNo: 1331840							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	42.4	0.100	41.80	2.236	96.2	75	125				
Barium	88.0	0.502	41.80	56.09	76.3	75	125				
Cadmium	2.12	0.167	2.090	0.05649	98.6	75	125				
Chromium	67.9	0.334	41.80	21.93	110	75	125				
Lead	21.4	0.167	20.90	1.930	93.0	75	125				

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Total Metals by EPA Method 6020B

Sample ID: 2103472-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/29/2021	RunNo: 66186							
Client ID: AMW-03-04-COMP	Batch ID: 31803	Analysis Date: 3/29/2021	SeqNo: 1331840								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Selenium	4.81	0.167	4.180	0.7180	97.8	75	125				
Silver	1.90	0.125	2.090	0.05044	88.3	75	125				

Sample ID: 2103472-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 3/29/2021	RunNo: 66186							
Client ID: AMW-03-04-COMP	Batch ID: 31803	Analysis Date: 3/29/2021	SeqNo: 1331841								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	46.3	0.100	41.80	2.236	105	75	125	42.44	8.69	20	
Barium	89.5	0.502	41.80	56.09	79.9	75	125	87.99	1.68	20	
Cadmium	2.06	0.167	2.090	0.05649	96.0	75	125	2.117	2.60	20	
Chromium	70.5	0.334	41.80	21.93	116	75	125	67.94	3.70	20	
Lead	21.5	0.167	20.90	1.930	93.4	75	125	21.38	0.395	20	
Selenium	4.89	0.167	4.180	0.7180	99.7	75	125	4.808	1.61	20	
Silver	1.86	0.125	2.090	0.05044	86.5	75	125	1.896	2.04	20	

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Mercury by EPA Method 7471

Sample ID: MB-31814	SampType: MBLK	Units: mg/Kg	Prep Date: 3/30/2021	RunNo: 66204							
Client ID: MBLKS	Batch ID: 31814		Analysis Date: 3/30/2021	SeqNo: 1332197							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.250

Sample ID: LCS-31814	SampType: LCS	Units: mg/Kg	Prep Date: 3/30/2021	RunNo: 66204							
Client ID: LCSS	Batch ID: 31814		Analysis Date: 3/30/2021	SeqNo: 1332198							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.520 0.250 0.5000 0 104 80 120

Sample ID: 2103472-001ADUP	SampType: DUP	Units: mg/Kg-dry	Prep Date: 3/30/2021	RunNo: 66204							
Client ID: AMW-03-04-COMP	Batch ID: 31814		Analysis Date: 3/30/2021	SeqNo: 1332204							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.257 0 20

Sample ID: 2103472-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/30/2021	RunNo: 66204							
Client ID: AMW-03-04-COMP	Batch ID: 31814		Analysis Date: 3/30/2021	SeqNo: 1332205							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.559 0.268 0.5351 0.01242 102 70 130

Sample ID: 2103472-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 3/30/2021	RunNo: 66204							
Client ID: AMW-03-04-COMP	Batch ID: 31814		Analysis Date: 3/30/2021	SeqNo: 1332206							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.533 0.257 0.5145 0.01242 101 70 130 0.5586 4.69 20

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-31813	SampType: MBLK	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66200							
Client ID: MBLKS	Batch ID: 31813		Analysis Date: 3/29/2021	SeqNo: 1332127							
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	8.86		10.00		88.6	50	150				
Surr: o-Terphenyl	8.78		10.00		87.8	50	150				

Sample ID: LCS-31813	SampType: LCS	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66200							
Client ID: LCSS	Batch ID: 31813		Analysis Date: 3/29/2021	SeqNo: 1332128							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	400	50.0	500.0	0	80.1	73.7	114				
Surr: 2-Fluorobiphenyl	8.36		10.00		83.6	50	150				
Surr: o-Terphenyl	9.05		10.00		90.5	50	150				

Sample ID: 2103472-001AMS	SampType: MS	Units: mg/Kg-dry	Prep Date: 3/29/2021	RunNo: 66200							
Client ID: AMW-03-04-COMP	Batch ID: 31813		Analysis Date: 3/29/2021	SeqNo: 1332130							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	420	51.6	516.0	0	81.4	61.4	129				
Surr: 2-Fluorobiphenyl	8.41		10.32		81.5	50	150				
Surr: o-Terphenyl	9.18		10.32		89.0	50	150				

Sample ID: 2103472-001AMSD	SampType: MSD	Units: mg/Kg-dry	Prep Date: 3/29/2021	RunNo: 66200							
Client ID: AMW-03-04-COMP	Batch ID: 31813		Analysis Date: 3/29/2021	SeqNo: 1332131							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	378	45.7	457.3	0	82.7	61.4	129	419.8	10.4	30	
Surr: 2-Fluorobiphenyl	7.93		9.147		86.7	50	150		0		
Surr: o-Terphenyl	9.08		9.147		99.3	50	150		0		

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-31812	SampType: MBLK	Units: µg/Kg	Prep Date: 3/29/2021	RunNo: 66218							
Client ID: MBLKS	Batch ID: 31812	Analysis Date: 3/30/2021	SeqNo: 1332349								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
Benz(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	936		1,000		93.6	19	135				
Surr: Terphenyl-d14 (surr)	962		1,000		96.2	42.9	156				

Sample ID: LCS-31812	SampType: LCS	Units: µg/Kg	Prep Date: 3/29/2021	RunNo: 66218							
Client ID: LCSS	Batch ID: 31812	Analysis Date: 3/30/2021	SeqNo: 1332350								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,890	20.0	2,000	0	94.3	62.7	127				
2-Methylnaphthalene	1,920	20.0	2,000	0	96.0	62.7	132				
1-Methylnaphthalene	1,810	20.0	2,000	0	90.4	61.4	131				
Acenaphthylene	1,880	20.0	2,000	0	93.8	62	132				
Acenaphthene	1,760	20.0	2,000	0	87.8	59.2	132				

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-31812	SampType: LCS	Units: µg/Kg				Prep Date: 3/29/2021	RunNo: 66218				
Client ID: LCSS	Batch ID: 31812					Analysis Date: 3/30/2021	SeqNo: 1332350				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	1,850	20.0	2,000	0	92.7	59.1	136				
Phenanthrene	1,810	40.0	2,000	0	90.6	54.1	139				
Anthracene	1,880	40.0	2,000	0	93.9	55.5	136				
Fluoranthene	1,990	40.0	2,000	0	99.4	52.8	149				
Pyrene	1,940	40.0	2,000	0	96.8	53.6	146				
Benz(a)anthracene	1,880	20.0	2,000	0	94.0	49.7	153				
Chrysene	1,820	40.0	2,000	0	91.0	52.6	147				
Benzo(b)fluoranthene	1,950	20.0	2,000	0	97.4	50.6	151				
Benzo(k)fluoranthene	2,010	20.0	2,000	0	100	47.1	155				
Benzo(a)pyrene	2,200	20.0	2,000	0	110	48.3	169				
Indeno(1,2,3-cd)pyrene	2,070	40.0	2,000	0	103	52.3	145				
Dibenz(a,h)anthracene	2,080	40.0	2,000	0	104	53	144				
Benzo(g,h,i)perylene	2,040	20.0	2,000	0	102	49.7	144				
Surr: 2-Fluorobiphenyl	906		1,000		90.6	19	135				
Surr: Terphenyl-d14 (surr)	938		1,000		93.8	42.9	156				

Sample ID: 2103472-001AMS	SampType: MS	Units: µg/Kg-dry				Prep Date: 3/29/2021	RunNo: 66218				
Client ID: AMW-03-04-COMP	Batch ID: 31812					Analysis Date: 3/30/2021	SeqNo: 1332352				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,550	20.7	2,072	0	75.0	28.7	139				
2-Methylnaphthalene	1,610	20.7	2,072	0	77.5	43.5	130				
1-Methylnaphthalene	1,490	20.7	2,072	0	72.1	42.6	127				
Acenaphthylene	1,540	20.7	2,072	0	74.5	45.3	129				
Acenaphthene	1,430	20.7	2,072	0	69.1	45.1	123				
Fluorene	1,550	20.7	2,072	0	74.7	41.6	128				
Phenanthrene	1,500	41.4	2,072	0	72.4	24.2	142				
Anthracene	1,540	41.4	2,072	0	74.2	33.1	143				
Fluoranthene	1,650	41.4	2,072	0	79.5	35.5	147				
Pyrene	1,630	41.4	2,072	0	78.5	38.3	141				

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2103472-001AMS	SampType: MS	Units: µg/Kg-dry				Prep Date: 3/29/2021	RunNo: 66218				
Client ID: AMW-03-04-COMP	Batch ID: 31812					Analysis Date: 3/30/2021	SeqNo: 1332352				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,640	20.7	2,072	0	79.1	42.5	145				
Chrysene	1,560	41.4	2,072	0	75.2	39.7	134				
Benzo(b)fluoranthene	1,620	20.7	2,072	0	78.2	29.9	152				
Benzo(k)fluoranthene	1,460	20.7	2,072	0	70.3	33.2	143.5				
Benzo(a)pyrene	1,730	20.7	2,072	0	83.3	38.2	156				
Indeno(1,2,3-cd)pyrene	1,590	41.4	2,072	0	76.9	41.4	128				
Dibenz(a,h)anthracene	1,630	41.4	2,072	0	78.5	40.4	129				
Benzo(g,h,i)perylene	1,570	20.7	2,072	0	76.0	34.2	131				
Surr: 2-Fluorobiphenyl	760		1,036		73.4	19	135				
Surr: Terphenyl-d14 (surr)	808		1,036		78.0	42.9	156				

Sample ID: 2103472-001AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 3/29/2021	RunNo: 66218				
Client ID: AMW-03-04-COMP	Batch ID: 31812					Analysis Date: 3/30/2021	SeqNo: 1332353				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,470	19.8	1,980	0	74.4	28.7	139	1,554	5.41	30	
2-Methylnaphthalene	1,500	19.8	1,980	0	75.5	43.5	130	1,606	7.12	30	
1-Methylnaphthalene	1,400	19.8	1,980	0	70.9	42.6	127	1,495	6.33	30	
Acenaphthylene	1,430	19.8	1,980	0	72.3	45.3	129	1,543	7.47	30	
Acenaphthene	1,350	19.8	1,980	0	68.1	45.1	123	1,433	6.12	30	
Fluorene	1,450	19.8	1,980	0	73.2	41.6	128	1,547	6.47	30	
Phenanthrene	1,380	39.6	1,980	0	69.9	24.2	142	1,501	8.11	30	
Anthracene	1,430	39.6	1,980	0	72.3	33.1	143	1,538	7.09	30	
Fluoranthene	1,520	39.6	1,980	0	76.6	35.5	147	1,648	8.37	30	
Pyrene	1,520	39.6	1,980	0	76.7	38.3	141	1,626	6.86	30	
Benz(a)anthracene	1,510	19.8	1,980	0	76.3	42.5	145	1,639	8.16	30	
Chrysene	1,450	39.6	1,980	0	73.2	39.7	134	1,558	7.25	30	
Benzo(b)fluoranthene	1,600	19.8	1,980	0	81.0	29.9	152	1,620	1.04	30	
Benzo(k)fluoranthene	1,480	19.8	1,980	0	74.6	33.2	143.5	1,457	1.37	30	
Benzo(a)pyrene	1,700	19.8	1,980	0	86.0	38.2	156	1,726	1.33	30	

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2103472-001AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 3/29/2021	RunNo: 66218				
Client ID: AMW-03-04-COMP	Batch ID: 31812					Analysis Date: 3/30/2021	SeqNo: 1332353				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,410	39.6	1,980	0	71.1	41.4	128	1,594	12.4	30	
Dibenz(a,h)anthracene	1,440	39.6	1,980	0	72.7	40.4	129	1,626	12.2	30	
Benzo(g,h,i)perylene	1,390	19.8	1,980	0	70.3	34.2	131	1,575	12.4	30	
Surr: 2-Fluorobiphenyl	729		990.0		73.6	19	135		0		
Surr: Terphenyl-d14 (surr)	760		990.0		76.8	42.9	156		0		

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: LCS-31799	SampType: LCS	Units: mg/Kg			Prep Date: 3/29/2021	RunNo: 66193					
Client ID: LCSS	Batch ID: 31799				Analysis Date: 3/29/2021	SeqNo: 1332041					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	24.4	5.00	25.00	0	97.4	65	135				
Surr: Toluene-d8	1.23		1.250		98.2	65	135				
Surr: 4-Bromofluorobenzene	1.28		1.250		103	65	135				

Sample ID: MB-31799	SampType: MBLK	Units: mg/Kg			Prep Date: 3/29/2021	RunNo: 66193					
Client ID: MBLKS	Batch ID: 31799				Analysis Date: 3/29/2021	SeqNo: 1332042					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.00									
Surr: Toluene-d8	1.23		1.250		98.7	65	135				
Surr: 4-Bromofluorobenzene	1.25		1.250		99.7	65	135				

Sample ID: 2103426-004BDUP	SampType: DUP	Units: mg/Kg			Prep Date: 3/29/2021	RunNo: 66193					
Client ID: BATCH	Batch ID: 31799				Analysis Date: 3/29/2021	SeqNo: 1332019					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	ND	5.08						0		30	
Surr: Toluene-d8	1.27		1.271		99.6	65	135		0		
Surr: 4-Bromofluorobenzene	1.27		1.271		100	65	135		0		

Sample ID: 2103426-010BMS	SampType: MS	Units: mg/Kg			Prep Date: 3/29/2021	RunNo: 66193					
Client ID: BATCH	Batch ID: 31799				Analysis Date: 3/29/2021	SeqNo: 1332026					
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Gasoline	18.7	3.92	19.62	0	95.1	65	135				
Surr: Toluene-d8	0.985		0.9811		100	65	135				
Surr: 4-Bromofluorobenzene	1.00		0.9811		102	65	135				

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Gasoline by NWTPH-Gx

Sample ID: 2103426-012BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66193							
Client ID: BATCH	Batch ID: 31799	Analysis Date: 3/30/2021	SeqNo: 1332029								
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Gasoline	ND	5.55						0		30	
Surr: Toluene-d8	1.37		1.389		98.9	65	135		0		
Surr: 4-Bromofluorobenzene	1.38		1.389		99.3	65	135		0		

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31799	SampType: LCS	Units: mg/Kg				Prep Date: 3/29/2021	RunNo: 66192				
Client ID: LCSS	Batch ID: 31799					Analysis Date: 3/29/2021	SeqNo: 1332014				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	1.26	0.0200	1.000	0	126	80	120				S
Chloromethane	1.03	0.0500	1.000	0	103	80	120				
Vinyl chloride	1.12	0.0200	1.000	0	112	80	120				
Bromomethane	1.18	0.0500	1.000	0	118	80	120				
Trichlorofluoromethane (CFC-11)	0.843	0.0200	1.000	0	84.3	80	120				
Chloroethane	1.13	0.0500	1.000	0	113	80	120				
1,1-Dichloroethene	0.817	0.0200	1.000	0	81.7	80	120				
Methylene chloride	1.05	0.0200	1.000	0	105	80	120				
trans-1,2-Dichloroethene	1.00	0.0200	1.000	0	100	80	120				
Methyl tert-butyl ether (MTBE)	0.847	0.0200	1.000	0	84.7	80	120				
1,1-Dichloroethane	0.926	0.0200	1.000	0	92.6	80	120				
cis-1,2-Dichloroethene	0.983	0.0200	1.000	0	98.3	80	120				
Chloroform	0.994	0.0200	1.000	0	99.4	80	120				
1,1,1-Trichloroethane (TCA)	1.01	0.0200	1.000	0	101	80	120				
1,1-Dichloropropene	0.998	0.0200	1.000	0	99.8	80	120				
Carbon tetrachloride	1.03	0.0200	1.000	0	103	80	120				
1,2-Dichloroethane (EDC)	0.979	0.0200	1.000	0	97.9	80	120				
Benzene	0.992	0.0200	1.000	0	99.2	80	120				
Trichloroethene (TCE)	0.964	0.0200	1.000	0	96.4	80	120				
1,2-Dichloropropane	0.996	0.0200	1.000	0	99.6	80	120				
Bromodichloromethane	1.03	0.0200	1.000	0	103	80	120				
Dibromomethane	1.00	0.0200	1.000	0	100	80	120				
cis-1,3-Dichloropropene	1.04	0.0200	1.000	0	104	80	120				
Toluene	0.991	0.0200	1.000	0	99.1	80	120				
trans-1,3-Dichloropropylene	1.03	0.0200	1.000	0	103	80	120				
1,1,2-Trichloroethane	0.991	0.0200	1.000	0	99.1	80	120				
1,3-Dichloropropane	0.989	0.0250	1.000	0	98.9	80	120				
Tetrachloroethene (PCE)	1.01	0.0200	1.000	0	101	80	120				
Dibromochloromethane	1.03	0.0200	1.000	0	103	80	120				
1,2-Dibromoethane (EDB)	0.997	0.00500	1.000	0	99.7	80	120				

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31799	SampType: LCS	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: LCSS	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1332014							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chlorobenzene	0.973	0.0200	1.000	0	97.3	80	120				
1,1,1,2-Tetrachloroethane	0.995	0.0200	1.000	0	99.5	80	120				
Ethylbenzene	1.02	0.0250	1.000	0	102	80	120				
m,p-Xylene	1.95	0.0500	2.000	0	97.4	80	120				
o-Xylene	0.961	0.0250	1.000	0	96.1	80	120				
Styrene	0.964	0.0200	1.000	0	96.4	80	120				
Isopropylbenzene	1.02	0.0200	1.000	0	102	80	120				
Bromoform	1.07	0.0500	1.000	0	107	80	120				
1,1,2,2-Tetrachloroethane	1.02	0.0200	1.000	0	102	80	120				
n-Propylbenzene	1.08	0.0200	1.000	0	108	80	120				
Bromobenzene	0.970	0.0200	1.000	0	97.0	80	120				
1,3,5-Trimethylbenzene	0.993	0.0200	1.000	0	99.3	80	120				
2-Chlorotoluene	0.970	0.0250	1.000	0	97.0	80	120				
4-Chlorotoluene	0.971	0.0200	1.000	0	97.1	80	120				
tert-Butylbenzene	0.979	0.0200	1.000	0	97.9	80	120				
1,2,3-Trichloropropane	0.965	0.0250	1.000	0	96.5	80	120				
1,2,4-Trichlorobenzene	0.988	0.0200	1.000	0	98.8	80	120				
sec-Butylbenzene	1.05	0.0250	1.000	0	105	80	120				
4-Isopropyltoluene	1.02	0.0250	1.000	0	102	80	120				
1,3-Dichlorobenzene	1.01	0.0200	1.000	0	101	80	120				
1,4-Dichlorobenzene	1.01	0.0200	1.000	0	101	80	120				
n-Butylbenzene	1.04	0.0200	1.000	0	104	80	120				
1,2-Dichlorobenzene	1.00	0.0200	1.000	0	100	80	120				
1,2-Dibromo-3-chloropropane	0.994	0.500	1.000	0	99.4	80	120				
1,2,4-Trimethylbenzene	0.989	0.0200	1.000	0	98.9	80	120				
Hexachloro-1,3-butadiene	1.05	0.0250	1.000	0	105	80	120				
Naphthalene	0.930	0.0500	1.000	0	93.0	80	120				
1,2,3-Trichlorobenzene	0.963	0.0200	1.000	0	96.3	80	120				
Surr: Dibromofluoromethane	1.32		1.250		106	80	120				
Surr: Toluene-d8	1.28		1.250		102	80	120				

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-31799	SampType: LCS	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: LCSS	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1332014							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: 1-Bromo-4-fluorobenzene 1.28 1.250 102 80 120

NOTES:

S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Sample ID: MB-31799	SampType: MBLK	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: MBLKS	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1332012							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0200									
Chloromethane	ND	0.0500									
Vinyl chloride	ND	0.0200									
Bromomethane	ND	0.0500									
Trichlorofluoromethane (CFC-11)	ND	0.0200									Q
Chloroethane	ND	0.0500									
1,1-Dichloroethene	ND	0.0200									Q
Methylene chloride	ND	0.0200									
trans-1,2-Dichloroethene	ND	0.0200									
Methyl tert-butyl ether (MTBE)	ND	0.0200									
1,1-Dichloroethane	ND	0.0200									
cis-1,2-Dichloroethene	ND	0.0200									
Chloroform	ND	0.0200									
1,1,1-Trichloroethane (TCA)	ND	0.0200									
1,1-Dichloropropene	ND	0.0200									
Carbon tetrachloride	ND	0.0200									
1,2-Dichloroethane (EDC)	ND	0.0200									
Benzene	ND	0.0200									
Trichloroethene (TCE)	ND	0.0200									
1,2-Dichloropropane	ND	0.0200									
Bromodichloromethane	ND	0.0200									
Dibromomethane	ND	0.0200									
cis-1,3-Dichloropropene	ND	0.0200									

Work Order: 2103472
CLIENT: Aspect Consulting
Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-31799	SampType: MBLK	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: MBLKS	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1332012							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Toluene	ND	0.0200									
trans-1,3-Dichloropropylene	ND	0.0200									
1,1,2-Trichloroethane	ND	0.0200									
1,3-Dichloropropane	ND	0.0250									
Tetrachloroethene (PCE)	ND	0.0200									
Dibromochloromethane	ND	0.0200									
1,2-Dibromoethane (EDB)	ND	0.00500									
Chlorobenzene	ND	0.0200									
1,1,1,2-Tetrachloroethane	ND	0.0200									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Styrene	ND	0.0200									
Isopropylbenzene	ND	0.0200									
Bromoform	ND	0.0500									
1,1,1,2,2-Tetrachloroethane	ND	0.0200									
n-Propylbenzene	ND	0.0200									
Bromobenzene	ND	0.0200									
1,3,5-Trimethylbenzene	ND	0.0200									
2-Chlorotoluene	ND	0.0250									
4-Chlorotoluene	ND	0.0200									
tert-Butylbenzene	ND	0.0200									
1,2,3-Trichloropropane	ND	0.0250									
1,2,4-Trichlorobenzene	ND	0.0200									
sec-Butylbenzene	ND	0.0250									
4-Isopropyltoluene	ND	0.0250									
1,3-Dichlorobenzene	ND	0.0200									
1,4-Dichlorobenzene	ND	0.0200									
n-Butylbenzene	ND	0.0200									
1,2-Dichlorobenzene	ND	0.0200									

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: MB-31799	SampType: MBLK	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: MBLKS	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1332012							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dibromo-3-chloropropane	ND	0.500									
1,2,4-Trimethylbenzene	ND	0.0200									
Hexachloro-1,3-butadiene	ND	0.0250									
Naphthalene	ND	0.0500									
1,2,3-Trichlorobenzene	ND	0.0200									
Surr: Dibromofluoromethane	1.27		1.250		102	82.3	112				
Surr: Toluene-d8	1.27		1.250		102	90.7	109				
Surr: 1-Bromo-4-fluorobenzene	1.23		1.250		98.3	88.4	109				

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2103426-004BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1331975							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	ND	0.0203						0		30	
Chloromethane	ND	0.0508						0		30	
Vinyl chloride	ND	0.0203						0		30	
Bromomethane	ND	0.0508						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0203						0		30	Q
Chloroethane	ND	0.0508						0		30	
1,1-Dichloroethene	ND	0.0203						0		30	Q
Methylene chloride	ND	0.0203						0		30	
trans-1,2-Dichloroethene	ND	0.0203						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0203						0		30	
1,1-Dichloroethane	ND	0.0203						0		30	
cis-1,2-Dichloroethene	ND	0.0203						0		30	
Chloroform	ND	0.0203						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0203						0		30	
1,1-Dichloropropene	ND	0.0203						0		30	
Carbon tetrachloride	ND	0.0203						0		30	

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103426-004BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1331975							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dichloroethane (EDC)	ND	0.0203						0		30	
Benzene	ND	0.0203						0		30	
Trichloroethene (TCE)	ND	0.0203						0		30	
1,2-Dichloropropane	ND	0.0203						0		30	
Bromodichloromethane	ND	0.0203						0		30	
Dibromomethane	ND	0.0203						0		30	
cis-1,3-Dichloropropene	ND	0.0203						0		30	
Toluene	ND	0.0203						0		30	
trans-1,3-Dichloropropylene	ND	0.0203						0		30	
1,1,2-Trichloroethane	ND	0.0203						0		30	
1,3-Dichloropropane	ND	0.0254						0		30	
Tetrachloroethene (PCE)	ND	0.0203						0		30	
Dibromochloromethane	ND	0.0203						0		30	
1,2-Dibromoethane (EDB)	ND	0.00508						0		30	
Chlorobenzene	ND	0.0203						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0203						0		30	
Ethylbenzene	ND	0.0254						0		30	
m,p-Xylene	ND	0.0508						0		30	
o-Xylene	ND	0.0254						0		30	
Styrene	ND	0.0203						0		30	
Isopropylbenzene	ND	0.0203						0		30	
Bromoform	ND	0.0508						0		30	
1,1,1,2,2-Tetrachloroethane	ND	0.0203						0		30	
n-Propylbenzene	ND	0.0203						0		30	
Bromobenzene	ND	0.0203						0		30	
1,3,5-Trimethylbenzene	ND	0.0203						0		30	
2-Chlorotoluene	ND	0.0254						0		30	
4-Chlorotoluene	ND	0.0203						0		30	
tert-Butylbenzene	ND	0.0203						0		30	
1,2,3-Trichloropropane	ND	0.0254						0		30	

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103426-004BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1331975							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	ND	0.0203						0		30	
sec-Butylbenzene	ND	0.0254						0		30	
4-Isopropyltoluene	ND	0.0254						0		30	
1,3-Dichlorobenzene	ND	0.0203						0		30	
1,4-Dichlorobenzene	ND	0.0203						0		30	
n-Butylbenzene	ND	0.0203						0		30	
1,2-Dichlorobenzene	ND	0.0203						0		30	
1,2-Dibromo-3-chloropropane	ND	0.508						0		30	
1,2,4-Trimethylbenzene	ND	0.0203						0		30	
Hexachloro-1,3-butadiene	ND	0.0254						0		30	
Naphthalene	ND	0.0508						0		30	
1,2,3-Trichlorobenzene	ND	0.0203						0		30	
Surr: Dibromofluoromethane	1.29		1.271		101	82.3	112		0		
Surr: Toluene-d8	1.30		1.271		102	90.7	109		0		
Surr: 1-Bromo-4-fluorobenzene	1.25		1.271		98.7	88.4	109		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Sample ID: 2103426-007BMS	SampType: MS	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1331984							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Dichlorodifluoromethane (CFC-12)	1.05	0.0206	1.032	0	102	5.08	187				
Chloromethane	1.11	0.0516	1.032	0	107	41.2	147				
Vinyl chloride	1.04	0.0206	1.032	0	101	49.9	147				
Bromomethane	1.18	0.0516	1.032	0	114	47.1	182				
Trichlorofluoromethane (CFC-11)	1.01	0.0206	1.032	0	98.2	51.7	151				
Chloroethane	1.13	0.0516	1.032	0	110	47.5	166				
1,1-Dichloroethene	1.05	0.0206	1.032	0	102	61.3	144				
Methylene chloride	1.03	0.0206	1.032	0	99.3	75.3	130				
trans-1,2-Dichloroethene	1.12	0.0206	1.032	0	108	73.5	130				

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103426-007BMS	SampType: MS	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/29/2021	SeqNo: 1331984							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Methyl tert-butyl ether (MTBE)	1.03	0.0206	1.032	0	100	73	126				
1,1-Dichloroethane	1.04	0.0206	1.032	0	100	71.8	135				
cis-1,2-Dichloroethene	1.08	0.0206	1.032	0	105	77.5	127				
Chloroform	1.09	0.0206	1.032	0	105	77.3	127				
1,1,1-Trichloroethane (TCA)	1.05	0.0206	1.032	0	102	71.3	131				
1,1-Dichloropropene	1.05	0.0206	1.032	0	102	69.8	134				
Carbon tetrachloride	1.00	0.0206	1.032	0	97.2	66.1	133				
1,2-Dichloroethane (EDC)	1.08	0.0206	1.032	0	104	73.5	128				
Benzene	1.10	0.0206	1.032	0	106	76.8	129				
Trichloroethene (TCE)	1.03	0.0206	1.032	0	99.7	70.5	140				
1,2-Dichloropropane	1.10	0.0206	1.032	0	107	74.6	130				
Bromodichloromethane	1.07	0.0206	1.032	0	103	76.2	121				
Dibromomethane	1.07	0.0206	1.032	0	103	78	124				
cis-1,3-Dichloropropene	1.07	0.0206	1.032	0	103	76	120				
Toluene	1.08	0.0206	1.032	0	105	77.8	127				
trans-1,3-Dichloropropylene	1.04	0.0206	1.032	0	101	73.5	121				
1,1,2-Trichloroethane	1.06	0.0206	1.032	0	103	77.7	123				
1,3-Dichloropropane	1.07	0.0258	1.032	0	103	77.4	123				
Tetrachloroethene (PCE)	1.04	0.0206	1.032	0	101	70.7	131				
Dibromochloromethane	1.04	0.0206	1.032	0	100	74.7	120				
1,2-Dibromoethane (EDB)	1.06	0.00516	1.032	0	103	76.1	124				
Chlorobenzene	1.04	0.0206	1.032	0	101	80.4	123				
1,1,1,2-Tetrachloroethane	1.03	0.0206	1.032	0	100	79.5	121				
Ethylbenzene	1.09	0.0258	1.032	0	105	78.7	130				
m,p-Xylene	2.07	0.0516	2.065	0	100	79.3	127				
o-Xylene	1.03	0.0258	1.032	0	100	80.7	124				
Styrene	1.03	0.0206	1.032	0	100	81.9	122				
Isopropylbenzene	1.07	0.0206	1.032	0	104	75.7	132				
Bromoform	1.04	0.0516	1.032	0	101	74.3	121				
1,1,2,2-Tetrachloroethane	1.09	0.0206	1.032	0	105	60.2	136				

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103426-007BMS		SampType: MS		Units: mg/Kg		Prep Date: 3/29/2021		RunNo: 66192			
Client ID: BATCH		Batch ID: 31799				Analysis Date: 3/29/2021		SeqNo: 1331984			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	1.13	0.0206	1.032	0	110	76.4	134				
Bromobenzene	1.02	0.0206	1.032	0	99.1	80.3	122				
1,3,5-Trimethylbenzene	1.06	0.0206	1.032	0	103	79.5	127				
2-Chlorotoluene	1.04	0.0258	1.032	0	101	77.6	131				
4-Chlorotoluene	1.05	0.0206	1.032	0	101	80.2	126				
tert-Butylbenzene	1.03	0.0206	1.032	0	99.5	75.5	132				
1,2,3-Trichloropropane	1.01	0.0258	1.032	0	97.7	70.2	126				
1,2,4-Trichlorobenzene	1.01	0.0206	1.032	0	97.6	64.2	142				
sec-Butylbenzene	1.09	0.0258	1.032	0	106	75	133				
4-Isopropyltoluene	1.08	0.0258	1.032	0	104	74.4	133				
1,3-Dichlorobenzene	1.07	0.0206	1.032	0	104	80.7	127				
1,4-Dichlorobenzene	1.03	0.0206	1.032	0	100	81.9	124				
n-Butylbenzene	1.05	0.0206	1.032	0	102	71.5	140				
1,2-Dichlorobenzene	1.06	0.0206	1.032	0	103	83.7	122				
1,2-Dibromo-3-chloropropane	0.997	0.516	1.032	0	96.5	64.9	130				
1,2,4-Trimethylbenzene	1.07	0.0206	1.032	0	103	79.3	127				
Hexachloro-1,3-butadiene	1.01	0.0258	1.032	0	97.8	59.2	149				
Naphthalene	0.962	0.0516	1.032	0	93.1	44.6	171				
1,2,3-Trichlorobenzene	0.984	0.0206	1.032	0	95.3	52.6	156				
Surr: Dibromofluoromethane	1.36		1.291		106	82.3	112				
Surr: Toluene-d8	1.34		1.291		104	90.7	109				
Surr: 1-Bromo-4-fluorobenzene	1.32		1.291		103	88.4	109				

Sample ID: 2103426-012BDUP		SampType: DUP		Units: mg/Kg		Prep Date: 3/29/2021		RunNo: 66192			
Client ID: BATCH		Batch ID: 31799				Analysis Date: 3/30/2021		SeqNo: 1331998			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dichlorodifluoromethane (CFC-12)	ND	0.0222						0		30	
Chloromethane	ND	0.0555						0		30	
Vinyl chloride	ND	0.0222						0		30	

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103426-012BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/30/2021	SeqNo: 1331998							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Bromomethane	ND	0.0555						0		30	
Trichlorofluoromethane (CFC-11)	ND	0.0222						0		30	Q
Chloroethane	ND	0.0555						0		30	
1,1-Dichloroethene	ND	0.0222						0		30	Q
Methylene chloride	ND	0.0222						0		30	
trans-1,2-Dichloroethene	ND	0.0222						0		30	
Methyl tert-butyl ether (MTBE)	ND	0.0222						0		30	
1,1-Dichloroethane	ND	0.0222						0		30	
cis-1,2-Dichloroethene	ND	0.0222						0		30	
Chloroform	ND	0.0222						0		30	
1,1,1-Trichloroethane (TCA)	ND	0.0222						0		30	
1,1-Dichloropropene	ND	0.0222						0		30	
Carbon tetrachloride	ND	0.0222						0		30	
1,2-Dichloroethane (EDC)	ND	0.0222						0		30	
Benzene	ND	0.0222						0		30	
Trichloroethene (TCE)	ND	0.0222						0		30	
1,2-Dichloropropane	ND	0.0222						0		30	
Bromodichloromethane	ND	0.0222						0		30	
Dibromomethane	ND	0.0222						0		30	
cis-1,3-Dichloropropene	ND	0.0222						0		30	
Toluene	ND	0.0222						0		30	
trans-1,3-Dichloropropylene	ND	0.0222						0		30	
1,1,2-Trichloroethane	ND	0.0222						0		30	
1,3-Dichloropropane	ND	0.0278						0		30	
Tetrachloroethene (PCE)	ND	0.0222						0		30	
Dibromochloromethane	ND	0.0222						0		30	
1,2-Dibromoethane (EDB)	ND	0.00555						0		30	
Chlorobenzene	ND	0.0222						0		30	
1,1,1,2-Tetrachloroethane	ND	0.0222						0		30	
Ethylbenzene	ND	0.0278						0		30	

Work Order: 2103472
 CLIENT: Aspect Consulting
 Project: Skanska NE 8th

QC SUMMARY REPORT
Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2103426-012BDUP	SampType: DUP	Units: mg/Kg	Prep Date: 3/29/2021	RunNo: 66192							
Client ID: BATCH	Batch ID: 31799		Analysis Date: 3/30/2021	SeqNo: 1331998							
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

m,p-Xylene	ND	0.0555						0		30	
o-Xylene	ND	0.0278						0		30	
Styrene	ND	0.0222						0		30	
Isopropylbenzene	ND	0.0222						0		30	
Bromoform	ND	0.0555						0		30	
1,1,2,2-Tetrachloroethane	ND	0.0222						0		30	
n-Propylbenzene	ND	0.0222						0		30	
Bromobenzene	ND	0.0222						0		30	
1,3,5-Trimethylbenzene	ND	0.0222						0		30	
2-Chlorotoluene	ND	0.0278						0		30	
4-Chlorotoluene	ND	0.0222						0		30	
tert-Butylbenzene	ND	0.0222						0		30	
1,2,3-Trichloropropane	ND	0.0278						0		30	
1,2,4-Trichlorobenzene	ND	0.0222						0		30	
sec-Butylbenzene	ND	0.0278						0		30	
4-Isopropyltoluene	ND	0.0278						0		30	
1,3-Dichlorobenzene	ND	0.0222						0		30	
1,4-Dichlorobenzene	ND	0.0222						0		30	
n-Butylbenzene	ND	0.0222						0		30	
1,2-Dichlorobenzene	ND	0.0222						0		30	
1,2-Dibromo-3-chloropropane	ND	0.555						0		30	
1,2,4-Trimethylbenzene	ND	0.0222						0		30	
Hexachloro-1,3-butadiene	ND	0.0278						0		30	
Naphthalene	ND	0.0555						0		30	
1,2,3-Trichlorobenzene	ND	0.0222						0		30	
Surr: Dibromofluoromethane	1.40		1.389		101	82.3	112		0		
Surr: Toluene-d8	1.40		1.389		101	90.7	109		0		
Surr: 1-Bromo-4-fluorobenzene	1.36		1.389		97.9	88.4	109		0		

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet established acceptance criteria

Client Name: AC	Work Order Number: 2103472
Logged by: Gabrielle Coeuille	Date Received: 3/27/2021 5:47:00 PM

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 present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes No Not Present
6. Was an attempt made to cool the samples? Yes No NA
7. Were all items received at a temperature of >2°C to 6°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 there 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:	<input type="text"/>	Date:	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	2.0

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



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

Chain of Custody Record & Laboratory Services Agreement

Date: 03/27/21 Page: 1 of 1

Project Name: SKANSKA NE 8th

Project No: 180587

Collected by: AED

Location: Bellevue

Report To (PM): Ali Cochran, Amelia Oates

PM Email: ali@skanska.com, amelia@skanska.com

Laboratory Project No (Internal): 2103472

Special Remarks:

Sample Disposal: Return to client Disposal by lab (after 30 days)

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HX)	Diesel/Heavy Oil Range Organics (HX)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (8011)	Field pending analysis	Comments
1 AMW-03-04-COMP	3/27/21	1300	S	3	X	X	X	X	X	X	X	X	X	X	X	X		Full Suite VOCs
2 AMW-03-15		1155	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
3 AMW-03-30		1220	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
4 AMW-03-45		1230	S	3	X	X	X	X	X	X	X	X	X	X	X	X		
5																		
6																		
7																		
8																		
9																		
10																		

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

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

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

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:
 Standard
 Next Day
 3 Day
 Same Day
 2 Day (specify)

Relinquished (Signature) *Amelia Oates* Date/Time 3/27/21 1035
 Print Name Amelia Oates
 Received (Signature) *Wlanghin* Date/Time 3/27/21 1747
 Print Name Wlanghin

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

May 26, 2020

Ali Cochrane, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Ms Cochrane:

Included are the results from the testing of material submitted on May 18, 2020 from the Skanska NE 8th Redevelopment 180587, F&BI 005229 project. There are 9 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: Data Aspect, Jessica Smith
ASP0526R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on May 18, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Skanska NE 8th Redevelopment 180587, F&BI 005229 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Aspect Consulting, LLC</u>
005229 -01	SG-01-051820
005229 -02	SG-02-051820
005229 -03	FMW- 09-051820
005229 -04	FMW- 10-051820

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SG-01-051820	Client:	Aspect Consulting, LLC
Date Received:	05/18/20	Project:	Skanska 180587
Date Collected:	05/18/20	Lab ID:	005229-01 1/7.8
Date Analyzed:	05/20/20	Data File:	052020.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat/MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	97	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2	<0.78
Chloroethane	<21	<7.8
1,1-Dichloroethene	<3.1	<0.78
trans-1,2-Dichloroethene	<3.1	<0.78
1,1-Dichloroethane	<3.2	<0.78
cis-1,2-Dichloroethene	<3.1	<0.78
1,2-Dichloroethane (EDC)	<0.32	<0.078
1,1,1-Trichloroethane	<4.3	<0.78
Trichloroethene	<2.1	<0.39
1,1,2-Trichloroethane	<0.85	<0.16
Tetrachloroethene	<53	<7.8

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	SG-02-051820	Client:	Aspect Consulting, LLC
Date Received:	05/18/20	Project:	Skanska 180587
Date Collected:	05/18/20	Lab ID:	005229-02 1/8.1
Date Analyzed:	05/21/20	Data File:	052022.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat/MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	110	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2.1	<0.81
Chloroethane	<21	<8.1
1,1-Dichloroethene	<3.2	<0.81
trans-1,2-Dichloroethene	<3.2	<0.81
1,1-Dichloroethane	<3.3	<0.81
cis-1,2-Dichloroethene	<3.2	<0.81
1,2-Dichloroethane (EDC)	<0.33	<0.081
1,1,1-Trichloroethane	<4.4	<0.81
Trichloroethene	<2.2	<0.4
1,1,2-Trichloroethane	<0.88	<0.16
Tetrachloroethene	<55	<8.1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	FMW- 09-051820	Client:	Aspect Consulting, LLC
Date Received:	05/18/20	Project:	Skanska 180587
Date Collected:	05/18/20	Lab ID:	005229-03 1/8.2
Date Analyzed:	05/21/20	Data File:	052023.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat/MS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	111	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2.1	<0.82
Chloroethane	<22	<8.2
1,1-Dichloroethene	<3.3	<0.82
trans-1,2-Dichloroethene	<3.3	<0.82
1,1-Dichloroethane	<3.3	<0.82
cis-1,2-Dichloroethene	<3.3	<0.82
1,2-Dichloroethane (EDC)	<0.33	<0.082
1,1,1-Trichloroethane	<4.5	<0.82
Trichloroethene	<2.2	<0.41
1,1,2-Trichloroethane	<0.89	<0.16
Tetrachloroethene	<56	<8.2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	FMW- 10-051820	Client:	Aspect Consulting, LLC
Date Received:	05/18/20	Project:	Skanska 180587
Date Collected:	05/18/20	Lab ID:	005229-04 1/8.4
Date Analyzed:	05/21/20	Data File:	052024.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat/MS

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	111	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<2.1	<0.84
Chloroethane	<22	<8.4
1,1-Dichloroethene	<3.3	<0.84
trans-1,2-Dichloroethene	<3.3	<0.84
1,1-Dichloroethane	<3.4	<0.84
cis-1,2-Dichloroethene	<3.3	<0.84
1,2-Dichloroethane (EDC)	<0.34	<0.084
1,1,1-Trichloroethane	<4.6	<0.84
Trichloroethene	<2.3	<0.42
1,1,2-Trichloroethane	<0.92	<0.17
Tetrachloroethene	<57	<8.4

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Skanska 180587
Date Collected:	Not Applicable	Lab ID:	00-1068 mb
Date Analyzed:	05/20/20	Data File:	052011.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat/MS

	%	Lower	Upper
Surrogates:	Recovery:	Limit:	Limit:
4-Bromofluorobenzene	111	70	130

Compounds:	Concentration	
	ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
Chloroethane	<2.6	<1
1,1-Dichloroethene	<0.4	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
1,1-Dichloroethane	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01
1,1,1-Trichloroethane	<0.55	<0.1
Trichloroethene	<0.27	<0.05
1,1,2-Trichloroethane	<0.11	<0.02
Tetrachloroethene	<6.8	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/26/20

Date Received: 05/18/20

Project: Skanska NE 8th Redevelopment 180587, F&BI 005229

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: 005229-01 1/7.8 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Vinyl chloride	ug/m3	<2	<2	nm
Chloroethane	ug/m3	<21	<21	nm
1,1-Dichloroethene	ug/m3	<3.1	<3.1	nm
trans-1,2-Dichloroethene	ug/m3	<3.1	<3.1	nm
1,1-Dichloroethane	ug/m3	<3.2	<3.2	nm
cis-1,2-Dichloroethene	ug/m3	<3.1	<3.1	nm
1,2-Dichloroethane (EDC)	ug/m3	<0.32	<0.32	nm
1,1,1-Trichloroethane	ug/m3	<4.3	<4.3	nm
Trichloroethene	ug/m3	<2.1	<2.1	nm
1,1,2-Trichloroethane	ug/m3	<0.85	<0.85	nm
Tetrachloroethene	ug/m3	<53	<53	nm

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 05/26/20

Date Received: 05/18/20

Project: Skanska NE 8th Redevelopment 180587, F&BI 005229

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES
FOR VOLATILES BY METHOD TO-15**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent	Acceptance Criteria
			Recovery LCS	
Vinyl chloride	ug/m3	35	89	70-130
Chloroethane	ug/m3	36	90	70-130
1,1-Dichloroethene	ug/m3	54	99	70-130
trans-1,2-Dichloroethene	ug/m3	54	93	70-130
1,1-Dichloroethane	ug/m3	55	89	70-130
cis-1,2-Dichloroethene	ug/m3	54	95	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	96	70-130
1,1,1-Trichloroethane	ug/m3	74	94	70-130
Trichloroethene	ug/m3	73	85	70-130
1,1,2-Trichloroethane	ug/m3	74	85	70-130
Tetrachloroethene	ug/m3	92	84	70-130

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Data Qualifiers & Definitions

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte 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 due to sample matrix effects.

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.

005229

~~Al Cochran~~

SAMPLE CHAIN OF CUSTODY

ME 05/18/20

Report To: ~~Aspect Consulting~~

SAMPLERS (signature) Bell

Page # 1 of 1
TURNAROUND TIME

Company Aspect Consulting

PROJECT NAME & ADDRESS
Stanley NE 8th Federal Park

PO #
180587

Address 710 2nd Ave. Suite 570

City, State, ZIP Seattle, WA, 98104

Phone 2069974713 Email acochran@aspectconsulting.com

NOTES:

INVOICE TO

Standard
 RUSH
Rush charges authorized by: _____
SAMPLE DISPOSAL
 Default: Clean after 3 days
 Archive (Fee may apply)

SAMPLE INFORMATION

ANALYSIS REQUESTED

Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. (uHg)	Field Initial Time	Final Vac. (uHg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium	Notes
SG-01-051820	01	3389	259	IA / <u>SG</u>	5/19/20	27.5	0949	5	0954			X			
SG-02-051820	02	2295	201	IA / <u>SG</u>		29.5	1049	5	1054						
FWD-09-051820	03	2439	242	IA / <u>SG</u>		29	1220	5	1225						
FWD-10-051820	04	3251 3250 3258	258	IA / <u>SG</u>		29	1313	5	1317						
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											
				IA / SG											

Samples received at 23 00

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS C00\C00CT0-15.DOC

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Relinquished by: Bell

Baxter Bell

Aspect

5/18/20

1610

Received by: YH

Khoei Hoang

FBI

5/18/20

1610

Relinquished by:

Received by:

APPENDIX D

Terrestrial Ecological Exclusion 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 <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation>.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Corner Court/The Eight Redevelopment

Facility/Site Address: 10630 NE 8th Avenue, Bellevue, Washington

Facility/Site No: 11652

VCP Project No.: NA

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Name: Ali Cochrane, LG

Title: Senior Geologist

Organization: Aspect Consulting, LLC

Mailing address: 710 2nd Ave, Suite 550

City: Seattle

State: WA

Zip code: 98104

Phone: 206-838-6594

Fax:

E-mail: acochrane@aspectconsulting.com

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 "UNKNOWN," 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.

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.

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?

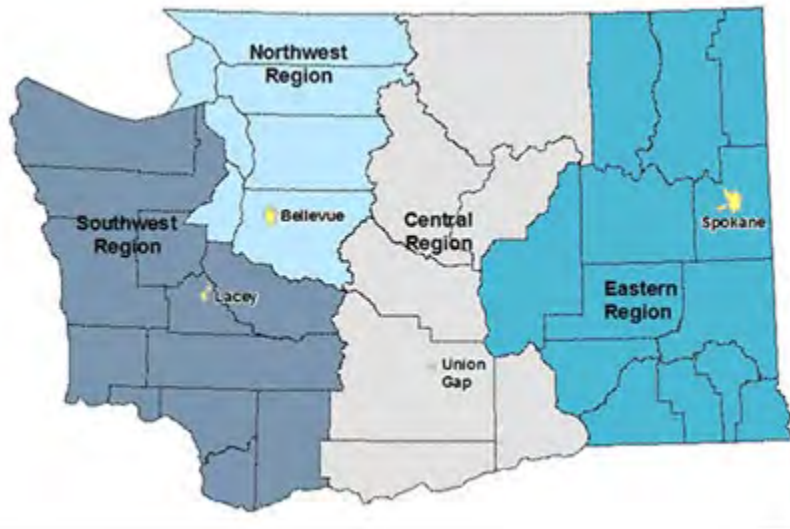
- Confirmed there was no problem.
- Confirmed there was a problem and established site-specific cleanup levels.

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

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 160 th 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

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call 877-833-6341.

APPENDIX E

Report Limitations and Guidelines for Use

REPORT LIMITATIONS AND USE GUIDELINES

Reliance Conditions for Third Parties

This report was prepared for the exclusive use of the Client. No other party may rely on this report or the product of our services without the express written consent of Aspect Consulting, LLC (Aspect). This limitation is to provide our firm with reasonable protection against liability claims by third parties with whom there would otherwise be no contractual conditions or limitations and guidelines governing their use of the report. Within the limitations of scope, schedule and budget, our services have been executed in accordance with our Agreement with the Client and recognized standards of professionals in the same locality and involving similar conditions.

Services for Specific Purposes, Persons and Projects

Aspect has performed the services in general accordance with the scope and limitations of our Agreement. This report has been prepared for the exclusive use of the Client and their authorized third parties, approved in writing by Aspect. This report is not intended for use by others, and the information contained herein is not applicable to other properties.

This report is not, and should not, be construed as a warranty or guarantee regarding the presence or absence of hazardous substances or petroleum products that may affect the subject property. The report is not intended to make any representation concerning title or ownership to the subject property. If real property records were reviewed, they were reviewed for the sole purpose of determining the subject property's historical uses. All findings, conclusions, and recommendations stated in this report are based on the data and information provided to Aspect, current use of the subject property, and observations and conditions that existed on the date and time of the report.

Aspect structures its services to meet the specific needs of our clients. Because each environmental study is unique, each environmental report is unique, prepared solely for the specific client and subject property. This report should not be applied for any purpose or project except the purpose described in the Agreement.

This Report Is Project-Specific

Aspect considered a number of unique, project-specific factors when establishing the Scope of Work for this project and report. You should not rely on this report if it was:

- Not prepared for you
- Not prepared for the specific purpose identified in the Agreement
- Not prepared for the specific real property assessed
- Completed before important changes occurred concerning the subject property, project or governmental regulatory actions

If changes are made to the project or subject property after the date of this report, Aspect should be retained to assess the impact of the changes with respect to the conclusions contained in the report.

Geoscience Interpretations

The geoscience practices (geotechnical engineering, geology, and environmental science) require interpretation of spatial information that can make them less exact than other engineering and natural science disciplines. It is important to recognize this limitation in evaluating the content of the report. If you are unclear how these "Report Limitations and Use Guidelines" apply to your project or site, you should contact Aspect.

Discipline-Specific Reports Are Not Interchangeable

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

Environmental Regulations Are Not Static

Some hazardous substances or petroleum products may be present near the subject property in quantities or under conditions that may have led, or may lead, to contamination of the subject property, but are not included in current local, state or federal regulatory definitions of hazardous substances or petroleum products or do not otherwise present potential liability. Changes may occur in the standards for appropriate inquiry or regulatory definitions of hazardous substance and petroleum products; therefore, this report has a limited useful life.

Property Conditions Change Over Time

This report is based on conditions that existed at the time the study was performed. The findings and conclusions of this report may be affected by the passage of time (for example, Phase I ESA reports are applicable for 180 days), by events such as a change in property use or occupancy, or by natural events, such as floods, earthquakes, slope failure or groundwater fluctuations. If more than six months have passed since issuance of our report, or if any of the described events may have occurred following the issuance of the report, you should contact Aspect so that we may evaluate whether changed conditions affect the continued reliability or applicability of our conclusions and recommendations.

Phase I ESAs – Uncertainty Remains After Completion

Aspect has performed the services in general accordance with the scope and limitations of our Agreement and the current version of the “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process”, ASTM E1527, and U.S. Environmental Protection Agency (EPA)'s Federal Standard 40 CFR Part 312 "Innocent Landowners, Standards for Conducting All Appropriate Inquiries".

No ESA can wholly eliminate uncertainty regarding the potential for recognized environmental conditions in connection with subject property. Performance of an ESA study is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental conditions affecting the subject property. There is always a potential that areas with contamination that were not identified during this ESA exist at the subject property or in the study area. Further evaluation of such potential would require additional research, subsurface exploration, sampling and/or testing.

Historical Information Provided by Others

Aspect has relied upon information provided by others in our description of historical conditions and in our review of regulatory databases and files. The available data does not provide definitive information with regard to all past uses, operations or incidents affecting the subject property or adjacent properties. Aspect makes no warranties or guarantees regarding the accuracy or completeness of information provided or compiled by others.

Exclusion of Mold, Fungus, Radon, Lead, and HBM

Aspect's services do not include the investigation, detection, prevention or assessment of the presence of molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts. Accordingly, this report does not include any interpretations, recommendations, findings, or conclusions regarding the detection, assessment, prevention or abatement of molds, fungi, spores, bacteria, and viruses, and/or any of their byproducts. Aspect's services also do not include the investigation or assessment of hazardous building materials (HBM) such as asbestos, polychlorinated biphenyls (PCBs) in light ballasts, lead based paint, asbestos-containing building materials, urea-formaldehyde insulation in on-site structures or debris or any other HBMs. Aspect's services do not include an evaluation of radon or lead in drinking water, unless specifically requested.