SOIL AND GROUNDWATER ASSESSMENT REPORT

At

RICHLAND UPTOWN SHOPPING CENTER
Parcel 17
1379 George Washington Way
Richland, Washington 99352

WA CLEANUP SITE ID NO.: 11649
FACILITY SITE ID NO.: 14650

May 2, 2019

Prepared for:

Washington Department of Ecology
CRO Toxics Cleanup Program
1250 W. Alder Street
Union Gap, WA 98903
Attn: Frank P. Winslow

Prepared by:

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Brent Bergeron, LHG, LG

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1.0 INTRODUCTION

This report, prepared by Blue Mountain Environmental & Consulting Co., Inc. (BMEC) for the Washington Department of Ecology (Ecology), presents an approach for conducting a soil and groundwater assessment of a former heating oil tank (HOT) at the Richland Uptown Shopping Center (Parcel 17 – Cleanup Site ID No. 11649) located at 1379 George Washington Way in Richland, Washington (hereafter referred to as the "Site"). The Washington Department of Ecology Facility Site ID No. is 14650. The Assessor's Property ID No. is 15832.

The property consists of one parcel of land with improvements. The Site (Parcel 17 – 1379 George Washington Way) is located in the Richland Uptown Shopping Center. The Uptown Shopping Center occupies the entire block at the northwest quadrant of the intersection of Williams Boulevard and George Washington Way in Benton County, Richland, Washington. The Site began construction as a shopping center in 1948 by the Atomic Energy Commission of the United States and is still operating as a shopping center. A Site Vicinity Map of the location is illustrated as **Figure 1**. In 1993, one 8,000-gallon HOT was reportedly removed from the Site and soil samples yielding TPH concentrations exceeding MTCA Method A Cleanup Levels for Unrestricted Land Uses were observed. Furthermore, a methylene chloride concentration of 400 parts per billion (ppb) was also detected in the soil and, although likely attributed to laboratory analytical solvent extraction procedures, was further investigated during this soil and groundwater assessment.

2.0 SOIL AND GROUNDWATER SAMPLING METHODOLOGY

On April 19, 2019, direct push technology (DPT) methodology was conducted at all four Geoprobe® boring locations (SB-1 through SB-4). The locations of the four borings are illustrated on **Figure 2**. Photographs of the Site during the April 19, 2019 field activities are included in **Appendix A**.

One soil sample was obtained from each boring at depths ranging from 12 to 13 feet below ground surface (bgs). Borings SB-1, SB-2, and SB-4 were each advanced to a total depth of 16 feet bgs. Boring SB-3 was advanced to a total depth of 12 feet bgs. One discrete soil sample was collected from each of the four borings at the following depths:

- Soil sample SB-1-13' was collected at 13 feet bgs;
- Soil sample SB-2-13' was collected at 13 feet bgs;
- Soil sample SB-3-12' was collected at 12 feet bgs; and
- Soil sample SB-4-13' was collected at 13 feet bgs.

All soil cuttings were containerized in a 55-gallon drum and temporarily staged on Parcel 17 at 1379 George Washington Way at the location depicted on **Figure 2**.

Continuous acetate liners were used to collect soil samples via Macrocore® methodology for visual assessment and laboratory analysis. All soil was visually and olfactorally assessed for petroleum contamination. No soil staining or petroleum odors were noted in the soil (0 to 16 feet bgs) brought to the surface and inspected by the field hydrogeologist. Each soil sample was

collected in one 4-ounce glass jar and one 40-milliliter glass vial preserved with methanol (per EPA Method 5035) as provided by the laboratory (Onsite Environmental, Inc. in Redmond, Washington [OnSite]). All four soil samples (SB-1-13', SB-2-13', SB-3-12' and SB-4-13') were relinquished to OnSite for total petroleum hydrocarbon-diesel range (TPH-D) and TPH-heavy oil (TPH-O) analysis via Northwest Method NWTPH-Dx, as well as full suite volatile organic compound (VOC) analysis via EPA Method 8260C.

Groundwater samples (GW-SB-2 and GW-SB-4) were collected from borings SB-2 and SB-4 via a peristaltic pump and dedicated tubing. A 5-foot section of stainless-steel screen (0.010" slot) was placed in the bottom of each hole (SB-2 and SB-4) and completed to the ground surface with PVC riser that screwed onto the screened interval. Each groundwater sample (GW-SB-2 and GW-SB-4) was collected in two 500-milliliter amber glass containers preserved with hydrochloric acid for TPH-Diesel (TPH-D) and TPH-Heavy Oil (TPH-O) analysis via Northwest Method NWTPH-Dx. Both groundwater samples were also collected in two 40-ml glass vials preserved with hydrochloric acid for VOC analysis via EPA Method 8260C.

A fresh pair of nitrile gloves were donned, prior to collection of each soil and groundwater sample. All samples were stored in a cool environment (approximately 4 degrees Celsius) until relinquished (with properly completed chain-of-custody documentation) to Peter Trabusiner of BMEC who later relinquished the sample cooler to OnSite. The samples were overnighted to OnSite on April !9, 2019 an arrived at OnSite the next day (April 20, 2019).

3.0 SOIL AND GROUNDWATER SAMPLE RESULTS

All four soil samples were analyzed for TPH-D and TPH-O via Northwest Method TPH-Dx, as well as VOCs via EPA Method 8260C. All four soil samples yielded non-detectable results for TPH-D. TPH-O was detected in soil sample SB-2-13' at 67 milligrams per kilogram (mg/Kg). The MTCA Method A Cleanup Level for Unrestricted Land Use is 2,000 mg/Kg.

Residual concentrations of VOCs were detected in all four soil samples, but at levels that do not exceed MTCA Method A Cleanup Levels for Unrestricted Land Usage. **Table 1** summarizes the VOC detections in the four soil samples.

TABLE 1: VOLATILE ORGANIC COMPOUNDS IN SOIL (mg/kg)

VOC Detected	Soil Sample ID				MTCA Method A Cleanup Level For Unrestricted Land Use
	SB-1-13'	SB-2-13'	SB-3-12'	SB-4-13'	
Acetone	0.016	< 0.46	< 0.011	< 0.0098	DNE
Ethylbenzene	< 0.0019	0.11	< 0.0022	< 0.0020	6
Total Xylenes	0.0049	1.07	0.0044	0.0043	9
IPB	< 0.00095	0.0041	< 0.0011	< 0.00098	DNE
1,3,5-TMB	< 0.00095	0.0014	< 0.0011	< 0.00098	DNE
1,2,4-TMB	< 0.00095	0.0042	< 0.0011	< 0.00098	DNE

mg/Kg = milligrams per kilogram
MTCA – Model Toxics Control Act, Washington State
IPB = Isopropylbenzene
1,3,5-TMB = 1,3,5-Trimethylbenzene
2,4,5-TMB = 2,4,5-Trimethylbenzene
DNE=Does Not Exist

Both groundwater samples (GW-SB-2 and GW-SB-4) were analyzed for TPH-D and TPH-O via Northwest Method TPH-Dx, as well as VOC analysis via EPA Method 8260C. Both groundwater samples yielded non-detectable results for both TPH-D and TPH-O. However, residual concentrations of VOCs were detected in both groundwater samples at levels well below their respective MTCA Method A Cleanup Levels as summarized in **Table 2**:

TABLE 2: VOLATILE ORGANIC COMPOUNDS IN GROUNDWATER (µg/L)

VOC Detected	Groundwater Sample ID		MTCA Method A Cleanup Level For Unrestricted Land Use
	GW-SB-2	GW-SB-4	
Chloroform	0.016	< 0.20	DNE
Ethylbenzene	0.65	< 0.20	700
Total Xylenes	5.0	< 0.60	1,000
Tetrachlorethene	0.97	0.31	5

µg/L = micrograms per Liter
MTCA – Model Toxics Control Act, Washington State
DNE=Does Not Exist

Please note that the minor concentrations acetone detected in soil sample SB-1-13'and chloroform detected in groundwater sample GW-SB-2 are likely attributed to laboratory analytical solvent extraction procedures. A copy of the laboratory analytical report and accompanying chain-of-custody documentation is included in **Appendix B**.

4.0 SITE GEOLOGY AND HYDROGEOLOGY

Aside from a one-foot thick seam of brown silt encountered in boring SB-1 from 9 to 10 feet bgs, soils beneath the Site consist of brown, fine-grained sand from 0.25 to 16 feet bgs. Copies of the boring logs for all four Geoprobe® holes are located in **Appendix C**.

Depth to groundwater ranged from 11 feet bgs in boring SB-3 to 12 feet bgs in borings SB-1, SB-2, and SB-4. Groundwater flow direction is likely to the east/southeast toward the Columbia River which is less than 0.25 miles away from the Site.

5.0 EQUIPMENT DECONTAMINATION AND INVESTIGATION-DERIVED WASTE DISPOSAL

All down-hole equipment (i.e., stainless-steel screen, groundwater measurement probe, and drill rods) were decontaminated via a soap and water solution wash followed by a potable water rinse. All soil and water (i.e., purged groundwater and decontamination water) investigation-derived waste (IDW) was containerized in a single 55-gallon drum. The drum was properly labeled, sealed,

and temporarily staged onsite at 1379 George Washington Way (Parcel 17) near the southwest corner of the business (**Figure 2**). All nitrile gloves, paper towels, and peristaltic pump tubing was containerized in a plastic trash bag removed from the Site for proper disposal offsite as standard refuse.

6.0 CONCLUSIONS AND RECOMMENDATIONS

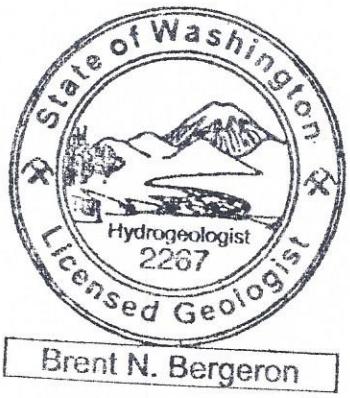
Four Geoprobe® borings were advanced at the Site on April 19, 2019. A total of four soil samples and two groundwater samples were obtained from the four borings and analyzed for TPH-D and TPH-O via Northwest Method TPH-Dx. TPH-O was detected in soil sample SB-2-13' at a concentration of 67 mg/kg which does not exceed the MTCA Method A Cleanup Level for Unrestricted Land Use of 2,000 mg/Kg. All four soil samples were also analyzed for VOCs via EPA Method 8260C. Minor concentrations of VOCs, in particular total xylenes, were detected in in all soil four samples at levels that did not exceed the MTCA Method A Cleanup Levels for Unrestricted Land Use. No methylene chloride was detected in the soil or groundwater samples. Both groundwater samples were also analyzed for TPH-D and TPH-O which were not detected in either sample at concentrations above the practical quantitation limits. Minor concentrations of VOCs, in particular total xylenes, were detected in in both groundwater samples at levels that did not exceed the MTCA Method A Cleanup Levels.

Based on the field screening observations (i.e., no soil staining or petroleum odors) and laboratory analytical results of the four soil samples and two groundwater samples collected on April 19, 2019, BMEC recommends No Further Action (NFA) for this Site and it should be granted closure by Ecology.

7.0 STATEMENT OF ENVIRONMENTAL PROFESSIONALS

This soil and groundwater assessment was performed in accordance with generally accepted environmental practices and procedures. We employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in the discipline of environmental sciences. The field activities utilized were determined by site conditions which were reasonably ascertainable to BMEC personnel and present at the time of previous field work performed by other environmental consultants, as well as general regional information obtainable via research prior to field work by BMEC personnel.

Respectfully Submitted,



Brent N. Bergeron Expires 1/3/20

Brent N. Bergeron, LHG, LG

8.0 REFERENCES

Google Earth, 2019.

Huntingdon Engineering and Environmental, Underground Storage Removal Project Limited Environmental Site Assessment Uptown Shopping Center, Richland, Washington, June 8, 1994.

Blue Mountain Environmental & Consulting **Waitsburg, Washington**	**FIGURE 1 – SITE VICINITY MAP**	**UST Investigation** **Richland Uptown Shopping Center** **Parcel 17 - 1379 George Washington Way** **Richland, Washington**

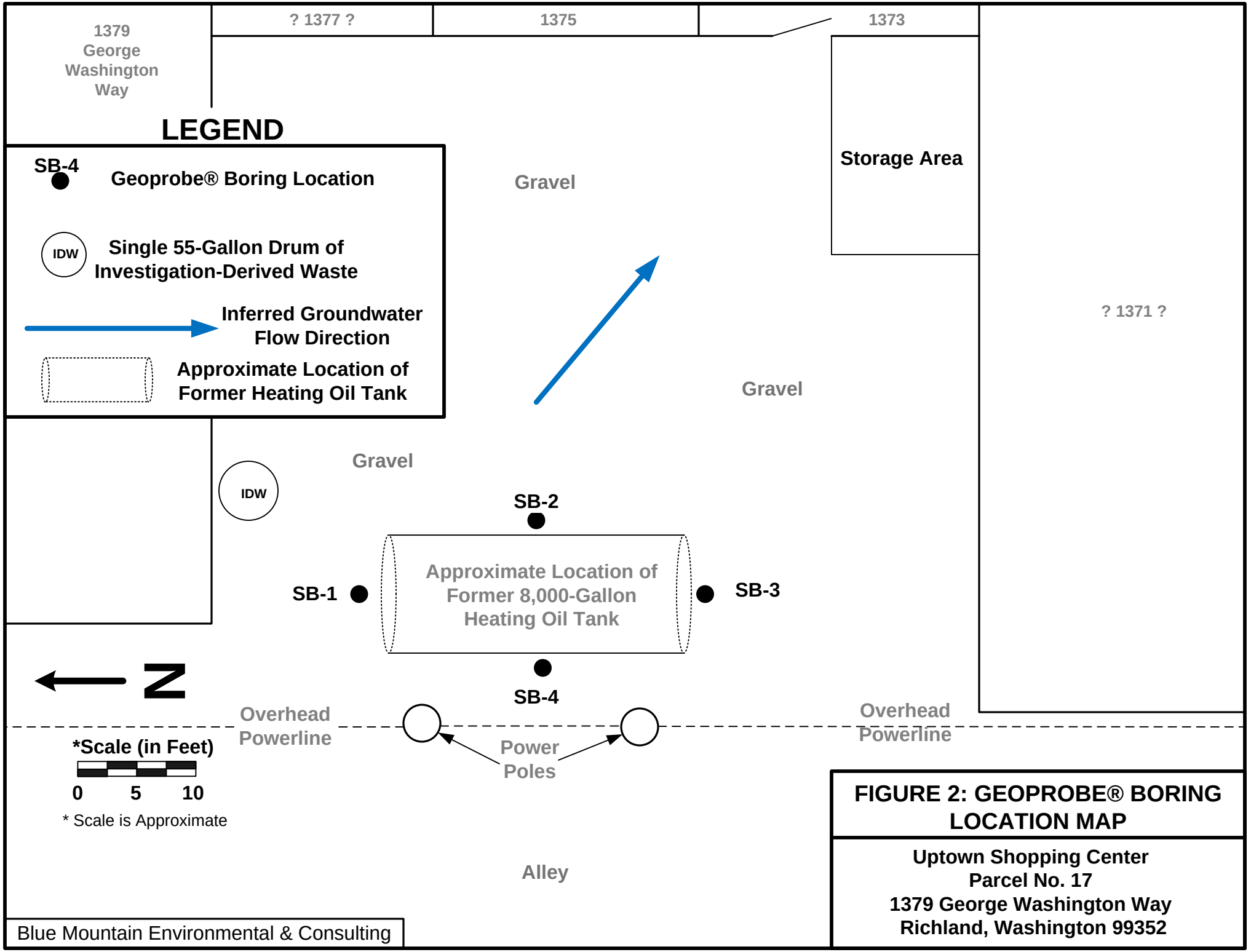


FIGURE 2: GEOPROBE® BORING LOCATION MAP

Uptown Shopping Center
Parcel No. 17
1379 George Washington Way
Richland, Washington 99352

APPENDIX A

Photographs

Photograph 1 – Typical soil lithology (brown silt to very fine sandy silt) encountered in all four borings.

Photograph 2 – Geoprobe® subcontractor setting up to drill at boring SB-1 (facing north).

Photograph 3 – Close-up of ¾-inch diameter stainless steel screen (0.010-inch slot size) inserted in borings SB-2 and SB-4 in attempt to obtain groundwater samples for laboratory analyses.

Photograph 4 – Drillers setting up to drill at boring SB-3 (facing north).

Photograph 5 – Drillers setting up to drill at boring SB-4 (facing north).

APPENDIX B

Laboratory Analytical Data
and
Chain-of-Custody Documentation

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

April 25, 2019

Peter Trabusiner
Blue Mountain Environmental, Inc.
1500 Adair Drive
Richland, WA 99352

Re: Analytical Data for Project Uptown Shopping Center - Parcel 17
Laboratory Reference No. 1904-246

Dear Peter:

Enclosed are the analytical results and associated quality control data for samples submitted on April 20, 2019.

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: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

Case Narrative

Samples were collected on April 19, 2019 and received by the laboratory on April 20, 2019. 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.

Volatiles EPA 8260C Analysis (soil)

Method 5035A VOA vials containing stir bars were not provided for samples SB-1-13', SB-2-13', SB-3-12' and SB-4-13'. The aforementioned samples were therefore extracted from 8-ounce jars for low-level analysis. Some loss of volatiles may have occurred.

Low-level analysis was performed on sample SB-2-13' and yielded results for m,p-Xylene and o-Xylene that exceeded the calibration range. The sample was then analyzed by high-level Method 5035A using the field-extracted methanol VOA provided. The result for the high-level analysis was more than threefold less than expected. Low-level re-analysis was performed to determine sample homogeneity. The re-analysis results were similar with the original low-level analysis and the sample was deemed non-homogenous. Therefore the results for both the original low-level analysis and the high-level analysis are provided for client's information.

The value reported for Acetone in sample SB-2-13' exceeds the calibration range and is therefore an estimate. The sample was re-analyzed at the lowest possible dilution allowed by Method 5035A with non-detect results for Acetone.

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, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-1-13'**					
Laboratory ID:	04-246-01					
Diesel Range Organics	**ND**	28	NWTPH-Dx	4-24-19	4-24-19	
Lube Oil Range Organics	**ND**	56	NWTPH-Dx	4-24-19	4-24-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*85*	*50-150*				
Client ID:	**SB-2-13'**					
Laboratory ID:	04-246-02					
Diesel Range Organics	**ND**	27	NWTPH-Dx	4-24-19	4-24-19	
Lube Oil	**67**	55	NWTPH-Dx	4-24-19	4-24-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				
Client ID:	**SB-3-12'**					
Laboratory ID:	04-246-04					
Diesel Range Organics	**ND**	30	NWTPH-Dx	4-24-19	4-24-19	
Lube Oil Range Organics	**ND**	60	NWTPH-Dx	4-24-19	4-24-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*93*	*50-150*				
Client ID:	**SB-4-13'**					
Laboratory ID:	04-246-05					
Diesel Range Organics	**ND**	30	NWTPH-Dx	4-24-19	4-24-19	
Lube Oil Range Organics	**ND**	59	NWTPH-Dx	4-24-19	4-24-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*97*	*50-150*				

Date of Report: April 25, 2019
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Project: Uptown Shopping Center - Parcel 17

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Soil
Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0424S1					
Diesel Range Organics	**ND**	25	NWTPH-Dx	4-24-19	4-24-19	
Lube Oil Range Organics	**ND**	50	NWTPH-Dx	4-24-19	4-24-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*100*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	04-246-01										
	ORIG	DUP									
Diesel Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*85*	*70*	*50-150*			

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DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GW-SB-2**					
Laboratory ID:	04-246-03					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*98*	*50-150*				
Client ID:	**GW-SB-4**					
Laboratory ID:	04-246-06					
Diesel Range Organics	**ND**	0.26	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	**ND**	0.42	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*94*	*50-150*				

Date of Report: April 25, 2019
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Project: Uptown Shopping Center - Parcel 17

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx
QUALITY CONTROL

Matrix: Water
Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0423W1					
Diesel Range Organics	**ND**	0.25	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	**ND**	0.40	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
o-Terphenyl	*96*	*50-150*				

Analyte	Result		Spike Level		Source Result	Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE											
Laboratory ID:	SB0423W1										
	ORIG	DUP									
Diesel Fuel #2	**0.929**	**0.899**	NA	NA		NA		NA	3	NA	
Lube Oil Range	**ND**	**ND**	NA	NA		NA		NA	NA	NA	
Surrogate:											
o-Terphenyl						*94*	*93*	*50-150*			

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VOLATILE ORGANICS EPA 8260C
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-1-13'**					
Laboratory ID:	04-246-01					
Dichlorodifluoromethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Acetone	0.016	0.0095	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	0.0067	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	

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VOLATILE ORGANICS EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-1-13'**					
Laboratory ID:	04-246-01					
1,1,2-Trichloroethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	ND	0.0019	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	0.0049	0.0038	EPA 8260C	4-22-19	4-22-19	
o-Xylene	ND	0.0019	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	0.0048	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.00095	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*68-139*				
Toluene-d8	*112*	*79-128*				
4-Bromofluorobenzene	*118*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-2-13'**					
Laboratory ID:	04-246-02					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Acetone	0.36	0.011	EPA 8260C	4-22-19	4-22-19	E
Iodomethane	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	0.0079	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	

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Project: Uptown Shopping Center - Parcel 17

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-2-13'**					
Laboratory ID:	04-246-02					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	0.11	0.0023	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	0.70	0.0046	EPA 8260C	4-22-19	4-22-19	E
o-Xylene	0.37	0.0023	EPA 8260C	4-22-19	4-22-19	E
Styrene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	0.0041	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	0.0014	0.0011	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	0.0042	0.0011	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	0.0057	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*68-139*				
Toluene-d8	*108*	*79-128*				
4-Bromofluorobenzene	*104*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-2-13'**					
Laboratory ID:	04-246-02					
Dichlorodifluoromethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Chloromethane	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Vinyl Chloride	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Bromomethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Chloroethane	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Trichlorofluoromethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,1-Dichloroethene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Acetone	ND	0.46	EPA 8260C	4-23-19	4-23-19	
Iodomethane	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Carbon Disulfide	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Methylene Chloride	ND	0.23	EPA 8260C	4-23-19	4-23-19	
(trans) 1,2-Dichloroethene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Methyl t-Butyl Ether	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,1-Dichloroethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Vinyl Acetate	ND	0.23	EPA 8260C	4-23-19	4-23-19	
2,2-Dichloropropane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
(cis) 1,2-Dichloroethene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
2-Butanone	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Bromochloromethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Chloroform	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,1,1-Trichloroethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Carbon Tetrachloride	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,1-Dichloropropene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Benzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2-Dichloroethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Trichloroethene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2-Dichloropropane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Dibromomethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Bromodichloromethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
2-Chloroethyl Vinyl Ether	ND	0.23	EPA 8260C	4-23-19	4-23-19	
(cis) 1,3-Dichloropropene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Methyl Isobutyl Ketone	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Toluene	ND	0.23	EPA 8260C	4-23-19	4-23-19	
(trans) 1,3-Dichloropropene	ND	0.046	EPA 8260C	4-23-19	4-23-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-2-13'**					
Laboratory ID:	04-246-02					
1,1,2-Trichloroethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Tetrachloroethene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,3-Dichloropropane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
2-Hexanone	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Dibromochloromethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2-Dibromoethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Chlorobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,1,1,2-Tetrachloroethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Ethylbenzene	ND	0.092	EPA 8260C	4-23-19	4-23-19	
m,p-Xylene	0.20	0.18	EPA 8260C	4-23-19	4-23-19	
o-Xylene	0.10	0.092	EPA 8260C	4-23-19	4-23-19	
Styrene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Bromoform	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Isopropylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Bromobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,1,2,2-Tetrachloroethane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2,3-Trichloropropane	ND	0.046	EPA 8260C	4-23-19	4-23-19	
n-Propylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
2-Chlorotoluene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
4-Chlorotoluene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,3,5-Trimethylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
tert-Butylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2,4-Trimethylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
sec-Butylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,3-Dichlorobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
p-Isopropyltoluene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,4-Dichlorobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2-Dichlorobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
n-Butylbenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2-Dibromo-3-chloropropane	ND	0.23	EPA 8260C	4-23-19	4-23-19	
1,2,4-Trichlorobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Hexachlorobutadiene	ND	0.23	EPA 8260C	4-23-19	4-23-19	
Naphthalene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
1,2,3-Trichlorobenzene	ND	0.046	EPA 8260C	4-23-19	4-23-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*101*	*79-128*				
4-Bromofluorobenzene	*103*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-3-12'**					
Laboratory ID:	04-246-04					
Dichlorodifluoromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Acetone	ND	0.011	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	0.0076	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	

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Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-3-12'**					
Laboratory ID:	04-246-04					
1,1,2-Trichloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	ND	0.0022	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	0.0044	0.0044	EPA 8260C	4-22-19	4-22-19	
o-Xylene	ND	0.0022	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	0.0054	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.0011	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*86*	*68-139*				
Toluene-d8	*99*	*79-128*				
4-Bromofluorobenzene	*113*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-4-13'**					
Laboratory ID:	04-246-05					
Dichlorodifluoromethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Acetone	ND	0.0098	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	0.0068	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	

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Project: Uptown Shopping Center - Parcel 17

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**SB-4-13'**					
Laboratory ID:	04-246-05					
1,1,2-Trichloroethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	ND	0.0020	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	0.0043	0.0039	EPA 8260C	4-22-19	4-22-19	
o-Xylene	ND	0.0020	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	0.0049	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.00098	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*93*	*68-139*				
Toluene-d8	*95*	*79-128*				
4-Bromofluorobenzene	*112*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0422S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Acetone	ND	0.010	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	0.0070	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0422S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	ND	0.0020	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	ND	0.0040	EPA 8260C	4-22-19	4-22-19	
o-Xylene	ND	0.0020	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*90*	*68-139*				
Toluene-d8	*106*	*79-128*				
4-Bromofluorobenzene	*110*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Soil
Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0423S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Chloromethane	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Vinyl Chloride	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Bromomethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Chloroethane	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Acetone	ND	0.010	EPA 8260C	4-23-19	4-23-19	
Iodomethane	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Carbon Disulfide	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Methylene Chloride	ND	0.0070	EPA 8260C	4-23-19	4-23-19	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Vinyl Acetate	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
2-Butanone	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Bromochloromethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Chloroform	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Benzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Trichloroethene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Dibromomethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Bromodichloromethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Toluene	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

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METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0423S1					
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Tetrachloroethene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
2-Hexanone	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Dibromochloromethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Chlorobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Ethylbenzene	ND	0.0020	EPA 8260C	4-23-19	4-23-19	
m,p-Xylene	ND	0.0040	EPA 8260C	4-23-19	4-23-19	
o-Xylene	ND	0.0020	EPA 8260C	4-23-19	4-23-19	
Styrene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Bromoform	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Isopropylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Bromobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
n-Propylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
2-Chlorotoluene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
4-Chlorotoluene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
tert-Butylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
sec-Butylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
n-Butylbenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	4-23-19	4-23-19	
Naphthalene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	4-23-19	4-23-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*94*	*68-139*				
Toluene-d8	*94*	*79-128*				
4-Bromofluorobenzene	*115*	*71-132*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0422S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0545**	**0.0514**	0.0500	0.0500	109	103	53-141	6	17	
Benzene	**0.0528**	**0.0515**	0.0500	0.0500	106	103	70-130	2	15	
Trichloroethene	**0.0533**	**0.0505**	0.0500	0.0500	107	101	74-122	5	16	
Toluene	**0.0511**	**0.0488**	0.0500	0.0500	102	98	76-130	5	15	
Chlorobenzene	**0.0563**	**0.0519**	0.0500	0.0500	113	104	75-120	8	14	
Surrogate:										
Dibromofluoromethane					*96*	*96*	*68-139*			
Toluene-d8					*94*	*96*	*79-128*			
4-Bromofluorobenzene					*117*	*113*	*71-132*			

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0423S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**0.0497**	**0.0458**	0.0500	0.0500	99	92	53-141	8	17	
Benzene	**0.0488**	**0.0481**	0.0500	0.0500	98	96	70-130	1	15	
Trichloroethene	**0.0468**	**0.0543**	0.0500	0.0500	94	109	74-122	15	16	
Toluene	**0.0450**	**0.0509**	0.0500	0.0500	90	102	76-130	12	15	
Chlorobenzene	**0.0519**	**0.0508**	0.0500	0.0500	104	102	75-120	2	14	
Surrogate:										
Dibromofluoromethane					*91*	*94*	*68-139*			
Toluene-d8					*87*	*100*	*79-128*			
4-Bromofluorobenzene					*105*	*117*	*71-132*			

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GW-SB-2**					
Laboratory ID:	04-246-03					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.75	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Acetone	ND	5.0	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	7.7	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	1.0	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	5.0	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GW-SB-2**					
Laboratory ID:	04-246-03					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	0.97	0.20	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	2.0	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	0.65	0.20	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	3.5	0.40	EPA 8260C	4-22-19	4-22-19	
o-Xylene	1.5	0.20	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	1.4	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	1.3	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*108*	*75-127*				
Toluene-d8	*103*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GW-SB-4**					
Laboratory ID:	04-246-06					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.75	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Acetone	ND	5.0	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	7.7	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	1.0	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	5.0	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chloroform	0.79	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	

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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	**GW-SB-4**					
Laboratory ID:	04-246-06					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	0.31	0.20	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	2.0	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	ND	0.40	EPA 8260C	4-22-19	4-22-19	
o-Xylene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	1.4	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	1.3	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*110*	*75-127*				
Toluene-d8	*105*	*80-127*				
4-Bromofluorobenzene	*101*	*78-125*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Matrix: Water
Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0422W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chloromethane	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Vinyl Chloride	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromomethane	ND	0.75	EPA 8260C	4-22-19	4-22-19	
Chloroethane	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Trichlorofluoromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Acetone	ND	5.0	EPA 8260C	4-22-19	4-22-19	
Iodomethane	ND	7.7	EPA 8260C	4-22-19	4-22-19	
Carbon Disulfide	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methylene Chloride	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methyl t-Butyl Ether	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Vinyl Acetate	ND	1.0	EPA 8260C	4-22-19	4-22-19	
2,2-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Butanone	ND	5.0	EPA 8260C	4-22-19	4-22-19	
Bromochloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chloroform	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,1-Trichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Carbon Tetrachloride	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Benzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Trichloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Dibromomethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromodichloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Chloroethyl Vinyl Ether	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Methyl Isobutyl Ketone	ND	2.0	EPA 8260C	4-22-19	4-22-19	
Toluene	ND	1.0	EPA 8260C	4-22-19	4-22-19	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260C	4-22-19	4-22-19	

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Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
METHOD BLANK QUALITY CONTROL
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Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0422W1					
1,1,2-Trichloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Tetrachloroethene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3-Dichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Hexanone	ND	2.0	EPA 8260C	4-22-19	4-22-19	
Dibromochloromethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromoethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Chlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Ethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
m,p-Xylene	ND	0.40	EPA 8260C	4-22-19	4-22-19	
o-Xylene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Styrene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromoform	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Isopropylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Bromobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichloropropane	ND	0.20	EPA 8260C	4-22-19	4-22-19	
n-Propylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
2-Chlorotoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
4-Chlorotoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3,5-Trimethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
tert-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trimethylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
sec-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,3-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
p-Isopropyltoluene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,4-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
n-Butylbenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
1,2-Dibromo-3-chloropropane	ND	1.4	EPA 8260C	4-22-19	4-22-19	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260C	4-22-19	4-22-19	
Hexachlorobutadiene	ND	1.0	EPA 8260C	4-22-19	4-22-19	
Naphthalene	ND	1.3	EPA 8260C	4-22-19	4-22-19	
1,2,3-Trichlorobenzene	ND	0.25	EPA 8260C	4-22-19	4-22-19	
Surrogate:	*Percent Recovery*	*Control Limits*				
Dibromofluoromethane	*104*	*75-127*				
Toluene-d8	*105*	*80-127*				
4-Bromofluorobenzene	*100*	*78-125*				

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

VOLATILE ORGANICS EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Water
Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery Limits	RPD	RPD Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB0422W1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	**9.76**	**10.0**	10.0	10.0	98	100	62-129	2	15	
Benzene	**10.2**	**10.4**	10.0	10.0	102	104	77-127	2	15	
Trichloroethene	**11.1**	**11.3**	10.0	10.0	111	113	70-120	2	15	
Toluene	**10.8**	**11.0**	10.0	10.0	108	110	82-123	2	15	
Chlorobenzene	**10.3**	**10.6**	10.0	10.0	103	106	79-120	3	15	
Surrogate:										
Dibromofluoromethane					*102*	*103*	*75-127*			
Toluene-d8					*107*	*105*	*80-127*			
4-Bromofluorobenzene					*102*	*101*	*78-125*			

Date of Report: April 25, 2019
Samples Submitted: April 20, 2019
Laboratory Reference: 1904-246
Project: Uptown Shopping Center - Parcel 17

% MOISTURE

Date Analyzed: 4-23-19

Client ID	Lab ID	% Moisture
SB-1-13'	04-246-01	10
SB-2-13'	04-246-02	8
SB-3-12'	04-246-04	16
SB-4-13'	04-246-05	16

OnSite Environmental Inc.

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

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

Page 1 of 1

Laboratory Number: 04-246

Company: ~~BNB~~ BMEC
Project Number:
Project Name: Uptown Shopping Center - Parcel 17
Project Manager: Peter Trabusiner
Sampled by: B. Bergeron

Turnaround Request (in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☒ 3 Days
☐ Standard (7 Days)
☐ ________ (other)

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	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	SB-1-13'	4/19/19	0924	S	2				X	X																	X
2	SB-2-13'	↓	0945	S	1				X	X																	↓
3	GW-SB-2	↓	1015	W	4				X	X																	
4	SB-3-12'	↓	1050	S	2				X	X																	X
5	SB-4-13'	↓	1130	S	1				X	X																	↓
6	GW-SB-4	↓	1150	W	3				X	X																	

	Signature	Company	Date	Time
Relinquished	Brent Bergeron	BMEC	4/19/19	1225
Received	T. Trabusiner	BMEC	4/19/19	1225
Relinquished	[signature]			
Received	[signature]	OnSite Env	4/20/19	1135
Relinquished				
Received				
Reviewed/Date		Reviewed/Date		

Comments/Special Instructions

Note: analyzing for methylene chloride via 8260C

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐

APPENDIX C

Boring Logs

BORING/WELL CONSTRUCTION LOG

Project Number	Boring/Well Number SB-1
Project Name Uptown Shopping Center - Parcel 17	Date Drilled 4/19/19
Location Richland, WA (1379 George Washington Way)	Casing Type/Diameter 2.25"
Drilling Method Geoprobe	Screen Type/Slot NA
Sampling Method Macrocore	Gravel Pack Type NA
Ground Elevation NA	Grout Type Bentonite
Top of Casing Elevation NA	Depth to Water/Date ~12'
Logged by B. Bergeron	Ground Water Elevation/Date NA
Remarks GWe 12'	Drilling Co. Environmental West Explorations (EWE)

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth	Well Diagram
No soil staining or petroleum odor	NA	NA	NA		5	SP		0-0.25': Brown, Sandy GRAVEL, dry. 0.25-4': Brown, SAND, little rounded gravel, dry. fine. 4-8': Brown, fine SAND, trace rounded gravel, dry.	5.0	
					10	SP / ML		8-9': SAA 9-10': Brown, V. fine sandy SILT, moist.	10.0	
				SB-1-0924 13' X	15	SP		10-12': Brown, fine SAND, damp. 12-16': Brown, fine SAND, wet.	15.0	
					20	SP		TD = 16'	20.0	
					25				25.0	
					30				30.0	

Project Number	Boring/Well Number SB-2
Project Name Uptown Shopping Center - Parcel 17	Date Drilled 4/19/19
Location Richland, WA (1379 GW Way)	Casing Type/Diameter 2.25"
Drilling Method Geoprobe	Screen Type/Slot 0.010"
Sampling Method Macrocore	Gravel Pack Type NA
Ground Elevation NA	Grout Type Bentonite
Top of Casing Elevation NA	Depth to Water/Date
Logged by B. Bergeron	Ground Water Elevation/Date NA
Remarks Collect GW sample GW-SB-2@1015	Drilling Co. EWE

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth	Well Diagram
No soil staining or petroleum odor	NA	NA	NA		5	SP		0-0.25': Brown, Sandy GRAVEL, dry. 0.25-4': Brown, fine SAND, little gravel (rounded), dry. 4-7': SAA	5.0	Temp Well SB-2
					10	ML		7-8': Brown, v. fine Sandy, SILT, moist. 8-12': Brown, fine SAND, damp.	10.0	6'
	SB-2-13' 0945		X		15	SP		12-16': Brown, fine SAND, wet.	15.0	▽
					20	SP		TD = 16'	20.0	16'
					25				25.0	
					30				30.0	

SB-2-GW also collected for lab analysis.

Project Number	Boring/Well Number SB-3
Project Name Uptown Shopping Center - Parcel 17	Date Drilled 4/19/19
Location Richland, WA (1379 GW Way)	Casing Type/Diameter 2.25"
Drilling Method Geoprobe	Screen Type/Slot NA
Sampling Method Makrocore	Gravel Pack Type NA
Ground Elevation NA	Grout Type Bentonite
Top of Casing Elevation NA	Depth to Water/Date ~ 12'
Logged by B. Bergeron	Ground Water Elevation/Date NA
Remarks GW @ 12'	Drilling Co. EWE

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth	Well Diagram
No Soil Staining or petroleum odor	NA	NA	NA		5	SP		0-0.25': Brown-gray, sandy, angular GRAVEL, dry. 0.25-4': Brown, fine SAND, trace gravel, damp. 4-6': SAA	5.0	
					10	SP		6-8': Brown, v. fine SAND, trace rounded gravel, damp. 8-11': Brown, fine SAND, trace rounded gravel, damp	10.0	
	SB-3-12'			X	▽	SP		11-12': Brown, fine SAND, wet,		
					15			TD = 12'	15.0	
					20				20.0	
					25				25.0	
					30				30.0	

BORING/WELL CONSTRUCTION LOG

Project Number	Boring/Well Number SB-4
Project Name Uptown Shopping Center - Parcel 17	Date Drilled 4/19/19
Location Richland, WA (1379 GW Way)	Casing Type/Diameter 2.25"
Drilling Method Geoprobe	Screen Type/Slot 0.010"
Sampling Method Macrocore	Gravel Pack Type NA
Ground Elevation NA	Grout Type Bentonite
Top of Casing Elevation NA	Depth to Water/Date ~ 12'
Logged by B. Bergeron	Ground Water Elevation/Date NA
Remarks Hit hard layer ~ 3-3.5' bgs	Drilling Co. EWE

PID (ppm)	Blow Counts	Recovery (%)	Sampling Method	Sample	Depth (ft. BGL)	U.S.C.S	Graphic Log	Lithologic Description	Contact Depth	Well Diagram
NO soil staining or petroleum odor	NA	NA	NA			SP		0-0.25': Light brown, sandy GRAVEL, grass roots, dry		Temp Well SB-4
								0.25-4': Brown, fine SAND, little rounded gravel, damp; cobble @ 3'.		
					5			4-8': Brown, fine SAND, damp.	5.0	
						SP				6'
					10			8-12': Brown, medium SAND, damp to moist.	10.0	
	SB-4-13'			X		SP		12-16': SAA, wet @ 12'.		▽
					15				15.0	
						SP				16'
								TD = 16'		
					20				20.0	
					25				25.0	
					30				30.0	

SB-4-GW also collected for lab analysis.