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and Contractors

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SCS ENGINEERS

July 28, 2017
File No. 25217027.01

Mr. Chue Yee Yang
Wisconsin Department of Natural Resources
2300 North Martin Luther King Drive
Milwaukee, WI 53212

Subject: Site Investigation Report and Remedial Action Plan
Highland Plaza, 8530-8600 West Brown Deer Road, Milwaukee, WI
WDNR BRRTS #02-41-579065

Dear Mr. Yang:

SCS Engineers (SCS) has prepared this Site Investigation Report and Remedial Action Plan for the above-noted Highland Plaza case. The Site Investigation was performed consistent with the May 18, 2017 Site Investigation Work Plan (SIWP), which included advancement and sampling of soil borings, installation and sampling of monitoring wells, and preparation of this report.

The purpose of the investigation was to evaluate the degree and extent of dry cleaning solvent contamination at the site and to evaluate and recommend remedial alternatives. We have included a Remedial Action Plan (RAP) for continued groundwater monitoring and vapor mitigation.

If you have any questions regarding this Site Investigation Report and Remedial Action Plan, please contact me at (608) 216-7329.

Sincerely,

Robert Langdon
Senior Project Manager
SCS ENGINEERS

REL/lmh/TK/MDB

cc: Symeon Davis – RJR ML, LLC

Enclosure: Site Investigation Report and Remedial Action Plan

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SCS ENGINEERS

Site Investigation Report and Remedial Action Plan

Highland Plaza
8530-8600 West Brown Deer Road
Milwaukee, Wisconsin

Prepared for:

RJR ML, LLC

1180 South Beverly Drive, Suite 700
Los Angeles, California 90035-1151
(424) 284-7784

Prepared by:

SCS ENGINEERS
2830 Dairy Drive
Madison, Wisconsin 53718-6751
(608) 224-2830

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CERTIFICATION

I, Meghan Blodgett, hereby certify that I am a hydrogeologist as the term is defined in s. NR 712.03(1), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.

Signature

Hydrogeologist
Title

7/27/2017
Date

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1.0 INTRODUCTION AND BACKGROUND

1.1 PURPOSE

The purpose of the investigation was to evaluate the extent of dry cleaning solvent contamination and to assess whether remediation is necessary.

1.2 LOCATION AND PROJECT INFORMATION

1.	Site Owner:	RJR ML, LLC 1180 South Beverly Drive, Suite 700 Los Angeles, California 90035-1151 (424) 284-7784
2.	Site Address:	8530-8600 West Brown Deer Road Milwaukee, Wisconsin 53224
3.	Site Location (**Figure 1**):	SE¼, SW¼, Section 4, T8N, R21E Milwaukee County, Parcel No. 0330015110 Approximate parcel corners in Wisconsin Transverse Mercator (WTM) coordinates from WDNR's RR Sites Map: Northwest Corner: 681022.30, 302616.55 Northeast Corner: 681252.54, 302624.80 Southeast Corner: 681237.06, 302493.04 Southwest Corner: 681028.69, 302486.10
4.	Environmental Consultant:	SCS Engineers 2830 Dairy Drive Madison, Wisconsin 53718-6751 (608) 224-2830 – phone (608) 224-2839 – fax
5.	Project Manager:	Robert Langdon
6.	Project Hydrogeologist:	Thomas Karwoski
7.	BRRTS #:	02-41-579065
8.	WDNR Contact:	Binyoti Amungwafor (414) 263-8607

2.0 SITE BACKGROUND

2.1 SITE HISTORY AND CURRENT STATUS

The Highland Plaza property, Parcel No. 0330015110, is located at 8530-8600 West Brown Deer Road, City of Milwaukee, Milwaukee County, Section 4, Township 8 North, Range 21 East (**Figure 1**). Copies of the property deeds and certified survey map are included in **Appendix A**. The 7.6-acre property is owned by RJR ML, LLC and occupied by a 95,118-square-foot, one-story multi-unit retail strip mall, which was constructed in approximately 1985. The building is divided into 15 retail and office units (**Figure 2**). Surrounding properties to the east and west are commercial, while the property to the north is residential.

Ogden Cleaners (formerly Dry Clean Discounters) occupies unit 8544 of the Highland Plaza and has been in operation at this location since at least 2009. The dry cleaning operations were identified as a potential environmental concern. Soil, groundwater, and vapor assessment sampling was performed to determine if a release of dry cleaning solvent had occurred. Initial soil sampling showed no indication of a release, and a temporary monitoring well installed for groundwater sampling did not produce water. Vapor assessment sampling identified the presence of chlorinated volatile organic compounds (CVOCs) in the building sub-slab vapor at concentrations in excess of Wisconsin Department of Natural Resources (WDNR) vapor risk screening levels (VRSLs).

The soil and vapor sampling results were submitted to the WDNR in a March 2, 2017 letter requesting a No Action Required (NAR) determination. The WDNR denied the NAR and required completion of an NR 716 site investigation. A Site Investigation Work Plan (SIWP) was submitted to the WDNR on May 8, 2017.

Field investigation activities defined in the SIWP were initiated on June 1, 2017. Site investigation findings show that soil, soil gas, and groundwater are contaminated with CVOCs. The presence of CVOCs in these media is consistent with a release of tetrachloroethene (PCE) dry cleaning solvent. The suspected source of the contamination is incidental discharges of spent dry cleaning solvent to the floor inside the facility.

2.2 REGIONAL SOILS, GEOLOGY, AND HYDROGEOLOGY

The Highland Plaza property is located within the Milwaukee River watershed with surface water drainage to the east. The property elevation ranges from approximately 710 to 730 feet above mean sea level and slopes from west to east.

Shallow soil in the area is composed predominantly of low permeability silt and clay till of the Oak Creek Formation. The Oak Creek till is underlain by older, more sandy till of the New Berlin Formation. These unconsolidated soils extend to a depth of approximately 100 feet below ground surface (bgs) to the top of dolomite bedrock (Southeastern Wisconsin Regional Planning Commission [SEWRPC], 2002).

The City of Milwaukee provides potable water from Lake Michigan to the property and surrounding area. Review of the Wisconsin Geological and Natural History Survey (WGNHS) and WDNR well construction databases indicates there are no private wells within 1,200 feet of the site.

Based on a review of WDNR's online database for nearby Bureau for Remediation and Redevelopment Tracking System (BRRTS) cases, it appears groundwater in the area is present within clay soils at depths ranging from approximately 5 to 16 feet bgs and that flow directions are variable.

2.3 PREVIOUS INVESTIGATIONS

Soil and Groundwater Sampling

In February 2014, three soil borings (GP-1, GP-2, and GP-3) were advanced and sampled by Environmental Services, Inc. (ESI) for volatile organic compounds (VOCs) to evaluate for a potential release of dry cleaning solvent from the Ogden Cleaners/Dry Clean Discounters facility.

ESI characterized site soils as gravel fill underlain by clay to a depth of at least 18 feet bgs. The boring locations are shown on **Figure 2**. Soil sample results are summarized in **Table 1**. VOCs were not detected in any of the soil samples. A temporary groundwater monitoring well was installed in boring GP-1; however, the temporary well did not produce groundwater.

Vapor Assessment

Vapor assessments were performed in late 2016 by EDI Consultants (EDI) and early 2017 by SCS Engineers (SCS). The 2017 vapor sample results were significantly lower than the 2016 sample results (**Table 3**). Both assessments showed commercial sub-slab vapor risk screening level (VRSL) exceedances for the dry cleaner unit. The 2017 assessment included sub-slab sampling in the dry cleaner unit and the two adjoining vacant units. VOCs were detected in the adjoining unit sub-slab samples; however, the sample concentrations did not exceed commercial VRSLs.

3.0 SITE INVESTIGATION

3.1 METHODS

Site investigation methods were defined in the May 8, 2017 SIWP. Field activities included the following:

- Advancement of six direct-push technology (DPT) borings (GB-4 through GB-6 and MW-2 through MW-4) to a maximum depth of 20 feet bgs
- Abandonment of GB-4 through GB-6 borings consistent with NR 141 standards
- Collection of soil samples from borings for laboratory analysis of VOCs

- Installation, development, and surveying of monitoring wells MW-2 through MW-4. Due to limited access for standard drilling equipment inside the dry cleaner unit, the MW-2 well was installed in a 2.5-inch-diameter DPT boring and constructed using 1-inch PVC screen and casing consistent with WDNR's May 24, 2017 variance approval. The remaining wells were constructed using hollow-stem augers and 2-inch-diameter PVC well casing and screens.

- Development of monitoring wells. Because the monitoring wells were constructed in clay soils, these were developed over multiple days by bailing the wells dry and allowing them recover.

- One round of groundwater monitoring including water level measurements and collection of groundwater samples for laboratory analysis of VOCs

- Containment of investigation wastes. Soil cuttings and monitoring well development and purge water were contained in 55-gallon steel drums and are stored on site for future disposal.

3.2 FINDINGS

Boring and well locations are shown on **Figure 2**. Soil boring logs, borehole abandonment forms, and well construction documentation are included in **Appendix B**. Photos of the dry cleaning facility and drilling work are included in **Appendix C**.

Laboratory analytical reports for soil and groundwater samples are included in **Appendix D**. Laboratory analytical results and applicable WDNR standards are summarized in **Tables 1** and **2**. Sub-slab vapor results, which were submitted to WDNR previously, are summarized in **Table 3**. Groundwater level information is summarized in **Table 4**.

3.2.1 Soils, Geology, and Hydrogeology

In general, the site soils, geology, and hydrogeology are consistent with regional information. Site boring logs show that clay and silt soils extend to a depth of at least 20 feet bgs. A geologic cross section is included as **Figure 3**.

Groundwater is present within site monitoring wells within approximately 10 feet of ground surface. Groundwater flow is assumed to be to the northeast based on water level measurements from site monitoring wells (**Figure 4**). Since consistent water levels between measurement events have not been observed, this flow direction should be considered approximate.

3.2.2 Soil Results

The estimated extent of soil exceeding NR 720 residual contaminant levels (RCLs) is shown on **Figure 5**. Soil analytical results are summarized in **Table 1**.

CVOCs, including PCE and trichloroethene (TCE), were detected in samples from borings GB-4 and MW-2 at concentrations in excess of NR 720 groundwater pathway RCLs, but not in excess

of non-industrial direct contact RCLs. VOCs were not detected in samples from any of the remaining borings.

3.2.3 Groundwater Results

Groundwater analytical results are summarized in **Table 2**. VOCs were not detected in groundwater at concentrations exceeding NR 140 enforcement standards (ES). PCE was detected in the sample from monitoring well MW-2 at a concentration in excess of the NR 140 preventive action limit (PAL). No other VOCs were detected in the monitoring well samples.

4.0 VAPOR INTRUSION SCREENING

Vapor intrusion screening results were previously submitted to the WDNR and are summarized in **Table 3**. CVOCs, including PCE and TCE, were detected in sub-slab samples under the dry cleaner unit at concentrations in excess of commercial VRSLs. VOCs were also detected in sub-slab samples collected from underneath adjoining units, but at concentrations less than commercial VRSLs.

5.0 SUMMARY

The following conclusions are made based on investigation to date:

- Groundwater is present within approximately 10 feet of ground surface within clay soil.
- The clay soil would likely limit the migration of contamination.
- Soil contamination appears to be limited primarily to the northern side of the dry cleaner unit.
- Soil contamination exceeds groundwater pathway RCLs, but does not exceed human non-industrial direct contact RCLs.
- Groundwater contamination appears to be limited to the northern side of the dry cleaner unit, but does not exceed groundwater ESs.
- The City of Milwaukee provides potable water from Lake Michigan to the property and surrounding area, and there do not appear to be any private wells within 1,200 feet of the site.
- Impacted soil and groundwater is capped by building foundation and pavement, which would serve as barrier to prevent human contact and leaching of underlying contaminated soil.

- VOC vapors are present in the sub-slab underneath the dry cleaner unit at concentrations in excess of commercial building VRSLs; however, vapor under the adjoining units does not exceed these VRSLs.

6.0 REMEDIAL ACTION PLAN

Based on soil and groundwater findings we propose up to three quarters of additional groundwater monitoring to evaluate remediation by natural attenuation. If stable or receding groundwater concentrations can be documented we would then submit an NR 726 Case Closure Request with Cap Maintenance Plan. A Case Closure Request may be submitted prior to completing all three additional rounds of groundwater sampling if initial results are favorable. The following monitoring schedule is proposed:

- **Quarterly water level and sample collection from monitoring wells MW-2, MW-3, and MW-4 (three rounds).** Groundwater samples will be submitted to a state-certified laboratory for analysis of VOCs.

- **Natural attenuation monitoring (one round).** During one of the above-noted quarterly monitoring events, additional groundwater samples will be collected from the above-noted wells for laboratory analysis of dissolved iron, ethene, and sulfate. Field measurements will be made for dissolved oxygen (DO), oxidation-reduction potential (ORP), temperature, and pH.

- **Submittal of one annual groundwater monitoring report.** The report will include an updated groundwater analytical summary table, groundwater flow maps, and laboratory analytical reports.

Based on soil gas findings, we propose installation of a vapor mitigation system (VMS) inside the dry cleaner unit. The purpose of the VMS would be to limit the migration CVOC vapors into the building.

7.0 SCHEDULE

We anticipate conducting the first round of proposed quarterly sampling in September 2017 and installing the VMS by August or September 2017.

8.0 REFERENCE

Southeastern Wisconsin Regional Planning Commission (SEWRPC), 2002, Groundwater Resources of Southeastern Wisconsin, Technical Report Number 37, June 2002.

TABLES

Table 1. Soil Analytical Results Summary
8600 Brown Deer Rd., Milwaukee, WI / SCS Engineers Project #25217027.00
(Results are in µg/kg)

Sample	Date	Depth (feet)	PID (ppm)	Lab Notes	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	VC	Other VOCs
GP-1/MW-1	2/24/2014	12	1.9	--	<25	<25	<25	<25	<25	ND
	2/24/2014	18	0.1	--	<25	<25	<25	<25	<25	ND
GP-2	2/24/2014	6	2.8	--	<25	<25	<25	<25	<25	ND
GP-3	2/24/2014	8	3.0	--	<25	<25	<25	<25	<25	ND
GB-4	6/1/2017	0-1.5	8.6	(1)	**81**	<11	<28	<24	<18	ND
	6/1/2017	3-4	12.5	(1)	<25	<11	<27	<23	<17	ND
	6/1/2017	4-6	31.5	(1)	**31,000**	**54**	<29	<25	<19	ND
GB-5	6/1/2017	0-1	10.5	(1)	<25	<11	<27	<23	<18	ND
	6/1/2017	2-3	14.2	(1)	<26	<12	<29	<25	<19	ND
	6/1/2017	4-6	11.2	(1)	<27	<12	<30	<25	<19	ND
GB-6	6/1/2017	0-1	20.9	(1)	<23	<10	<25	<22	<16	ND
	6/1/2017	2-3	18.4	(1)	<21	<9.2	<23	<20	<15	ND
	6/1/2017	8-10	13.5	(1)	<27	<12	<30	<26	<19	ND
MW-2	6/1/2017	0-1	12.1	(1)	**4,500**	**160**	<25	<22	<16	ND
	6/1/2017	3-4	9.2	(1)	**210**	<11	<28	<24	<18	ND
	6/1/2017	4-6	21.3	(1)	**3,800**	<12	<29	<25	<19	ND
MW-3	6/1/2017	4-5	10.4	(1)	<26	<12	<29	<25	<19	ND
	6/1/2017	10-12.5	12.6	(1)	<27	<12	<30	<25	<19	ND
MW-4	6/1/2017	3.5-5	9.4	(1)	<26	<12	<29	<25	<19	ND
	6/1/2017	5-7.5	8.9	(1)(2)	<28	<12	<30	<26	<20	ND
NR 720 Groundwater Pathway RCLs with a Wisconsin-Default Dilution Factor of 2					4.5	3.6	41.2	62.6	0.1	
NR 720 Non-Industrial Direct Contact RCLs					33,000	1,300	156,000	1,560,000	67	
NR 720 Industrial Direct Contact RCLs					145,000	8,410	2,340,000	1,850,000	2,080	
CAS No.					127-18-4	79-01-6	156-59-2	156-60-5	75-01-4	

Abbreviations:
µg/kg = micrograms per kilogram or parts per billion (ppb)
ppm = PID measured in ppm as isobutylene
PCE = Tetrachloroethene
CAS No. = Chemical Abstracts Service Number
TCE = Trichloroethene
DCE = Dichloroethene
VC = Vinyl Chloride
VOCs = Volatile Organic Compounds
ND = Not Detected
-- = Not Applicable

Notes:
NR 720 Residual Contaminant Level (RCL) using U.S. EPA's Regional Screening Level (RSL) Web-Calculator and on using the RR Program's RCL spreadsheet for Groundwater Pathway
NR 746 Table 1 - WAC, Chapter NR 746.06(2)(b) Table 1 - Indicators of Residual Petroleum Product in Soil Pores.
NR 746 Table 2 - WAC, Chapter NR 746.06(2)(b) Table 2 - Protection of Human Health from Direct Contact with Contaminated Soil.
Bold+underlined values exceed NR 720 Residual Contaminant Levels (RCLs).
NR 720 values are taken from Wisconsin Department of Natural Resources March 2017 RCL Spreadsheet.

Laboratory Notes/Qualifiers:
(1) Bromobenzene, 2-Chlorotoluene, 4-Chlorotoluene, 2,2-Dichloropropane, Isopropylbenzene, n-Butylbenzene, N-Propylbenzene, p-Isopropyltoluene, tert-Butylbenzene, 1,1,1-Trichloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene - LCS or LCSD is outside acceptance limits.
(2) 1,2 Dibromo-3-Choropropane and Isopropylbenzene - MS and/or MSD Recovery is outside acceptance limits.

Created by: AV Date: 2/27/2017
Last revision by: ALF Date: 6/12/2017
Checked by: JSN Date: 6/12/2017

I:\25217027.00\Data and Calculations\Tables\[Table 1 Soil Drycleaner.xlsx]Soil_Drycleaner

Table 2. Groundwater Analytical Results Summary
Highland Plaza, Milwaukee, WI / SCS Engineers Project #25217027.00
(Results are in µg/L)

Sample	Date	Lab Notes	cis-1,2-Dichloroethylene	trans-1,2-Dichloroethylene	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	Vinyl Chloride	Other VOCs
MW-2	6/12/2017	(1)	<0.41	<0.35	*0.69* J	<0.16	<0.20	ND
MW-3	6/12/2017	(1)	<0.41	<0.35	<0.37	<0.16	<0.20	ND
MW-4	6/12/2017	(1)	<0.41	<0.35	<0.37	<0.16	<0.20	ND
Trip Blank	6/12/2017	(1)	<0.41	<0.35	<0.37	<0.16	<0.20	Toluene 0.38 J
NR 140 Enforcement Standards			70	100	*5*	*5*	0.2	Toluene 800
NR 140 Preventive Action Limits			*7*	20	0.5	0.5	0.02	Toluene 160

Abbreviations:
µg/L = micrograms per liter or parts per billion (ppb) ND = None Detected

Notes:
NR 140 Enforcement Standards - Wisconsin Administrative Code (WAC), Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
NR 140 Preventive Action Limits - WAC, Chapter NR 140.10 Table 1 - Public Health Groundwater Quality Standards from February 2017.
Bold+underlined values meet or exceed NR 140 enforcement standards.
Italic+underlined values meet or exceed NR 140 preventive action limits.

Laboratory Notes/Qualifiers:
(1) Napthalene - LCS or LCSD is outside acceptance limits.
J = Result is less than the RL but greater than or equol to the MDL and the concentration is an approximate value.

Created by: JSN Date: 6/19/2017
Last revision by: JSN Date: 6/19/2017
Checked by: AV Date: 6/19/2017

I:\25217027.00\Data and Calculations\Tables\[Table 2 Groundwater VOCs.xlsx.xls]GW VOCs

Table 3. Sub-Slab Vapor Analytical Results Summary
Highland Plaza, Milwaukee, WI / SCS Engineers Project #25217027.00
(Results are in ppbV)

Sample	Location	Date	Tetrachloroethylene (PCE)	Trichloroethylene (TCE)	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Other VOCs
VS-1	8540 Highland Avenue (vacant)	1/19/2017	148	0.59	<0.11	<0.17	<0.13	NA
VS-2	8540 Highland Avenue (vacant)	1/19/2017	545	7	<0.1	<0.16	<0.13	NA
VS-3	8550 Highland Avenue (vacant)	1/19/2017	134	0.84	<0.1	<0.16	<0.13	NA
VS-4	8550 Highland Avenue (vacant)	1/19/2017	656 A3	7.6	<0.1	<0.16	<0.13	NA
VS-5	8544 Highland Avenue (Ogden Cleaners/Dry Clean Discounters)	1/19/2017	41	0.24	<0.11	<0.17	<0.13	NA
VS-6	8544 Highland Avenue (Ogden Cleaners/Dry Clean Discounters)	1/19/2017	**21,800** A3	**298** A3	0.32 J	<0.17	<0.13	NA
SG-1	8544 Highland Avenue (Ogden Cleaners/Dry Clean Discounters)	10/20/2016	**774,610** E	**966,660** A3, E	<143	<223	<176	ND
SG-2	8544 Highland Avenue (Ogden Cleaners/Dry Clean Discounters)	10/20/2016	**744,150** E	**774,430** A3, E	<143	<223	<176	ND
SG-3	8544 Highland Avenue (Ogden Cleaners/Dry Clean Discounters)	10/20/2016	**485,940** E	**195,900** A3	<143	<223	<176	ND
Vapor Risk Screening Level (Residential Building)			210	13	NE	NE	22	
Vapor Risk Screening Level (Small Commercial Building)			900	53	NE	NE	370	

Abbreviations:
ppbV = parts per billion by volume
DCE = Dichloroethylene
VOCs = Volatile Organic Compounds
NA = Not Analyzed
NE = Not Established

Notes:
1. Samples were collected in 6-liter summa canisters over a 30-minute period and analyzed using the USEPA TO-15 analytical method.
2. Vapor Risk Screening Levels are from Wisconsin Department of Natural Resources Quick Look-Up Table, which is based on June 2017 USEPA Regional Screening Level Tables.
3. **Bold+underlined** values meet or exceed Vapor Risk Screening Levels for Small Commercial Buildings.

Lab Notes:
A3 = The sample was analyzed by serial dilution.
E = Analyte concentration exceeded the calibration range. The reported result is estimated.
J = Estimated concentration at or above the limit of detection and below the limit of quantitation.

Created by: LMH Date: 2/1/2017
Last revision by: LMH Date: 2/27/2017
Checked by: REL Date: 2/27/2017

I:\25217027.00\Data and Calculations\Tables\[Table 3 Sub-Slab Vapor Analytical Results.xlsx]Sub-Slab Results

Table 4. Water Level Summary
Highland Plaza, Milwaukee, Wisconsin / SCS Project #25217027.01

Raw Data	Depth to Water in feet below top of well casing			
	MW-1 [1]	MW-2	MW-3	MW-4
Measurement Date				
2/24/2014	18	NI	NI	NI
6/1/2017 [3]	--	19.55	20.11	14.95
6/2/2017 [3]	--	19.03	17.85	8.58
6/7/2017 [3]	--	15.47	11.40	8.58
6/12/2017 [3]	--	15.30	10.83	9.82
6/30/2017	--	8.60	10.07	9.15
	Ground Water Elevation in feet above mean sea level (amsl)			
Well Number	**MW-1 [1]**	**MW-2**	**MW-3**	**MW-4**
Top of Casing Elevation (feet amsl) [2]	NM	719.06	719.29	718.27
Screen Length (ft)	10.00	10.00	10.00	10.00
Total Depth (ft from top of casing)	18.00	19.55	20.11	20.05
Top of Well Screen Elevation (ft)	NM	709.51	709.18	708.22
Measurement Date				
2/24/2014	Dry	NI	NI	NI
6/1/2017 [3]	--	DRY	DRY	703.32
6/2/2017 [3]	--	700.03	701.44	709.69
6/7/2017 [3]	--	703.59	707.89	709.69
6/12/2017 [3]	--	703.76	708.46	708.45
6/30/2017	--	710.46	709.22	709.12
Bottom of Well Elevation (ft)	NM	699.51	699.18	698.22

Notes:
NM = not measured
NI = Not Installed

Created by: RL Date: 7/3/2017
Last revision by: RL Date: 7/3/2017
Checked by: NH Date: 7/3/2017

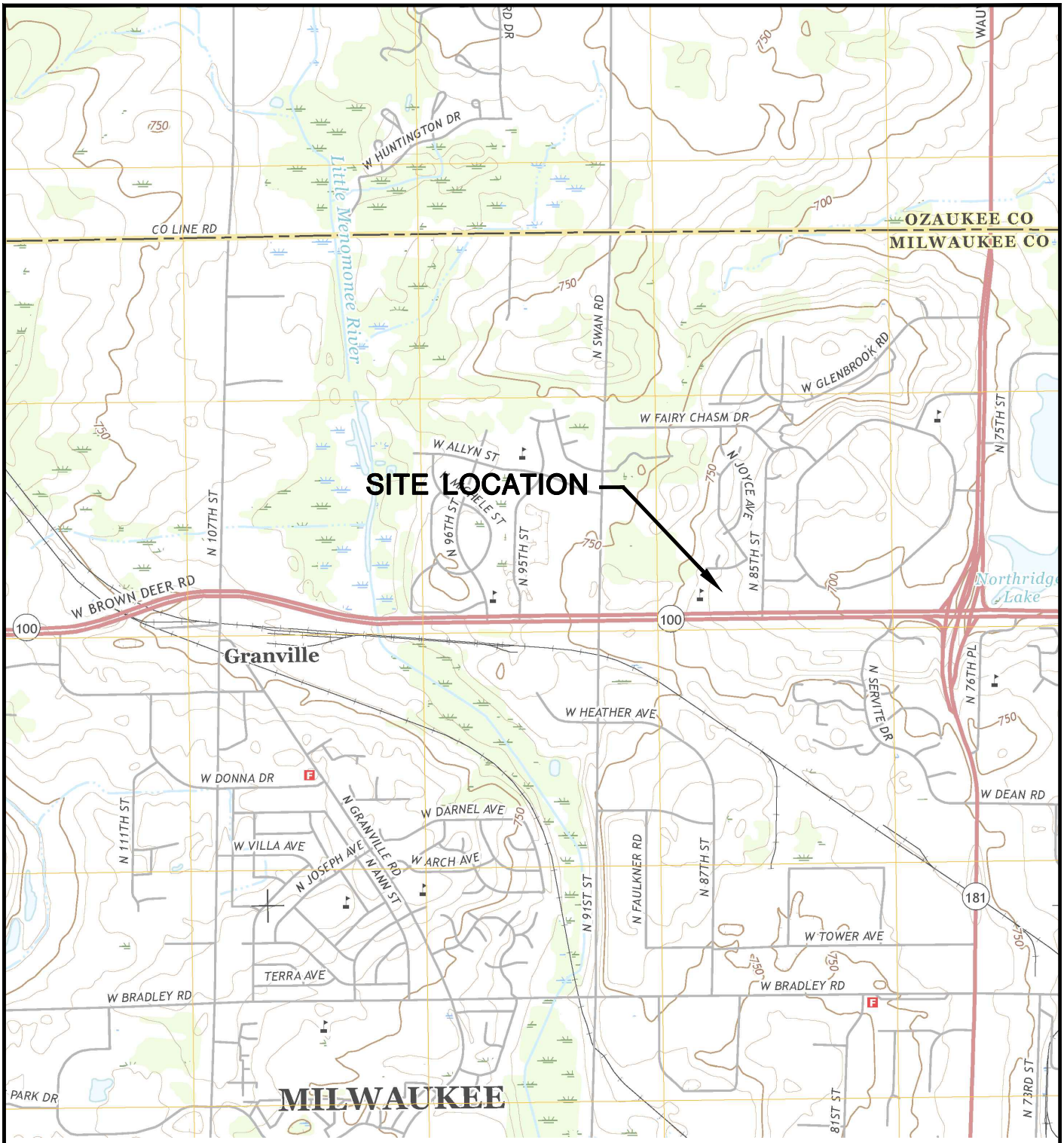
[1] MW1 was a temporary well installed by EPS. The well was installed and permanently abandoned on February 24, 2014.

[2] Benchmark is top rim of fire hydrant located on north end of alley approximately 70 feet northwest of dry cleaner unit. Benchmark elevation of 725.63 feet amsl based on assumed ground surface elevation of 723 feet amsl and measured hydrant rim height of 2.63 feet above ground surface. Ground surface elevation from Milwaukee County Interactive Mapping website.

[3] Measurements taken soon after wells installed so may not be static due to slow recharge from clay soils.

I:\25217027.00\Data and Calculations\Tables\[Table 5 Water Level Summary.xls]levels

FIGURES



N

MENOMONEE FALLS QUADRANGLE
WISCONSIN
7.5 MINUTE SERIES (TOPOGRAPHIC)
2015
SCALE: 1" = 2,000'

CLIENT	RJR ML, LLC. 1180 SOUTH BEVERLY DRIVE, SUITE 700 LOS ANGELES, CA 90035 (424) 284-7784	SITE	HIGHLAND PLAZA 8600 WEST BROWN DEER ROAD MILWAUKEE, WISCONSIN

SITE LOCATION MAP

PROJECT NO.	25217027.01	DRAWN BY:	AHB
DRAWN:	04/27/17	CHECKED BY:	REL
REVISED:	04/27/17	APPROVED BY:	REL 07/25/17

ENGINEER

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

FIGURE
1

I:\25217027.00\Drawings\Site Location.dwg, 7/25/2017 2:45:23 PM

200 0 200 **SITE OVERVIEW**

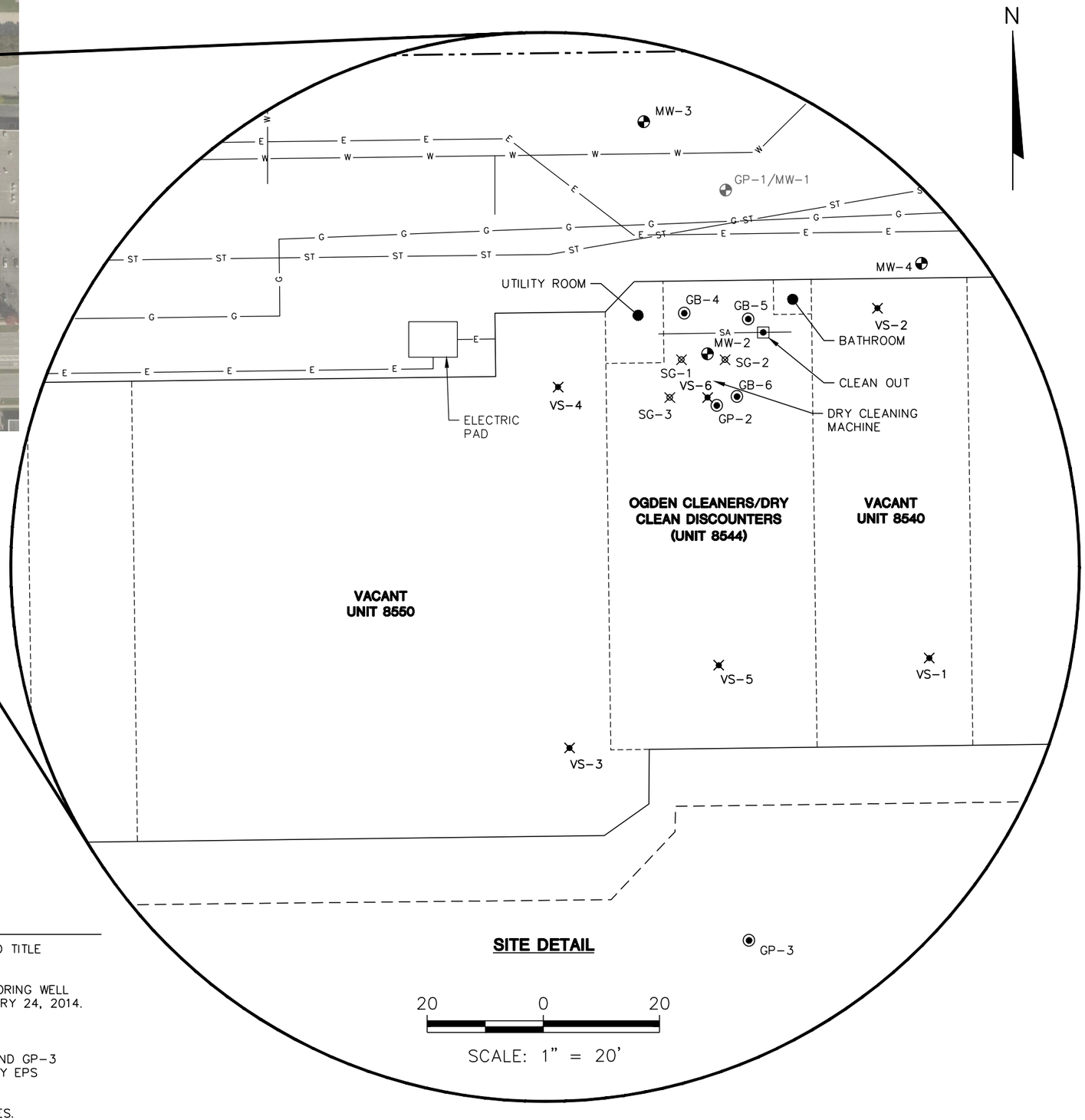
SCALE: 1" = 200'

LEGEND

- PROPERTY LINE
- BUILDING OVERHANG
- INTERIOR BUILDING UNIT DIVISION
- E — BURIED ELECTRIC
- G — GAS MAIN
- SA — SANITARY SEWER
- ST — STORM SEWER
- W — WATER
- SUB-SLAB VAPOR PROBE (INSTALLED BY SCS ENGINEERS, JANUARY 2017)
- SUB-SLAB VAPOR PROBE (INSTALLED BY EDI CONSULTANTS, OCTOBER 2016)
- SOIL BORING
- MONITORING WELL
- ABANDONED MONITORING WELL

NOTES:

1. PROPERTY LINE AND BUILDING LOCATIONS ARE APPROXIMATE, BASED ON ALTA/ACSM LAND TITLE SURVEY BY NATIONAL SURVEY & ENGINEERING, DATED JUNE 5, 2006.
2. INTERIOR BUILDING DIVISIONS ARE APPROXIMATE, BASED ON FIGURE 1, BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERVICES, CHICAGO, IL, DATED FEBRUARY 24, 2014.
3. SUB-SLAB VAPOR PROBE LOCATIONS ARE APPROXIMATE.
4. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE. GP-1/MW-1, GP-2, AND GP-3 BORING LOCATIONS BASED ON BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERIVCES, INC., FEBRUARY 24, 2014.
5. UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR LOCATING PURPOSES.



SITE DETAIL

20 0 20

SCALE: 1" = 20'

SITE PLAN

FIGURE 2

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

KP

REL

REL 07/25/17

HIGHLAND PLAZA
8600 WEST BROWN DEER ROAD
MILWAUKEE, WISCONSIN

SITE

DRAWN BY:

CHECKED BY:

APPROVED BY:

RJR ML, LLC.
1180 SOUTH BEVERLY DRIVE, SUITE 700
LOS ANGELES, CA 90035
(424) 284-7784

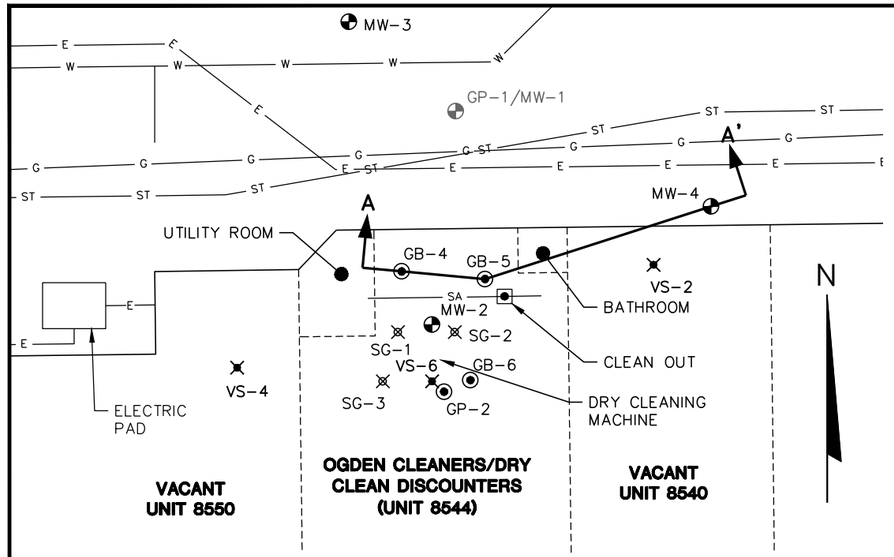
CLIENT

PROJECT NO. 25217027.01

DRAWN: 02/09/17

REVISED: 06/22/17

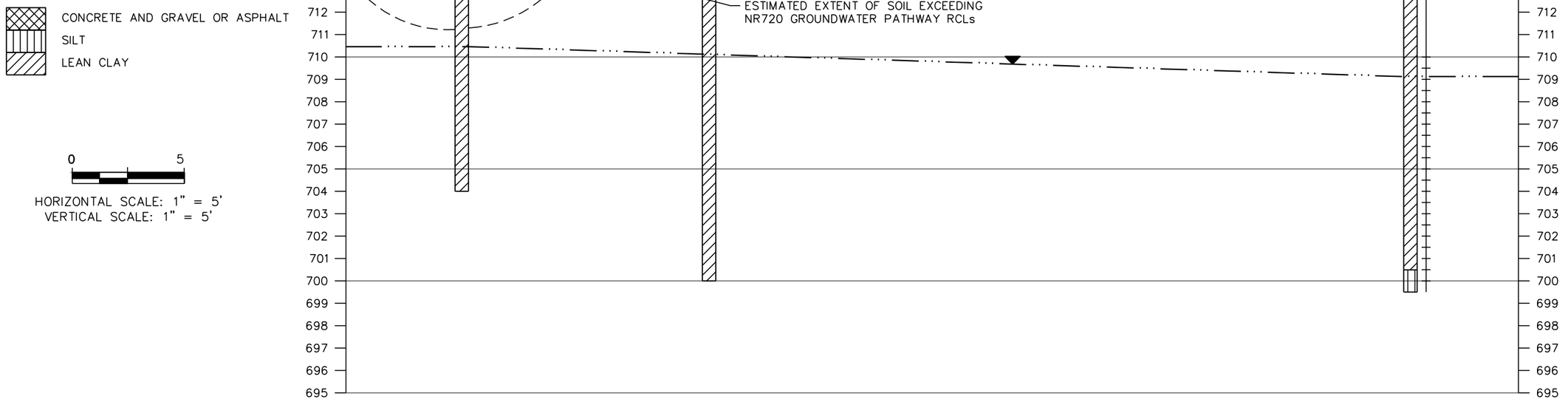
I:\25217027.00\Drawings\Site Plan.dwg, 7/25/2017 2:48:38 PM



CROSS SECTION LOCATION MAP

LEGEND

- INTERIOR BUILDING UNIT DIVISION
- E — BURIED ELECTRIC
- G — GAS MAIN
- SA — SANITARY SEWER
- ST — STORM SEWER
- W — WATER
- SUB-SLAB VAPOR PROBE (INSTALLED BY SCS ENGINEERS, JANUARY 2017)
- SUB-SLAB VAPOR PROBE (INSTALLED BY EDI CONSULTANTS, OCTOBER 2016)
- SOIL BORING
- MONITORING WELL
- ABANDONED MONITORING WELL
- APPROXIMATE WATER TABLE (06/30/17)



GEOLOGIC CROSS SECTION

FIGURE 3

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

HIGHLAND PLAZA
8600 WEST BROWN DEER ROAD
MILWAUKEE, WISCONSIN

SITE

RJR ML, LLC.
1180 SOUTH BEVERLY DRIVE, SUITE 700
LOS ANGELES, CA 90035
(424) 284-7784

CLIENT

DRAWN BY:	KP	
CHECKED BY:	REL	REL 07/25/17
APPROVED BY:		REL 07/25/17
PROJECT NO.	25217027.01	
DRAWN:	06/29/17	
REVISED:	07/25/17	

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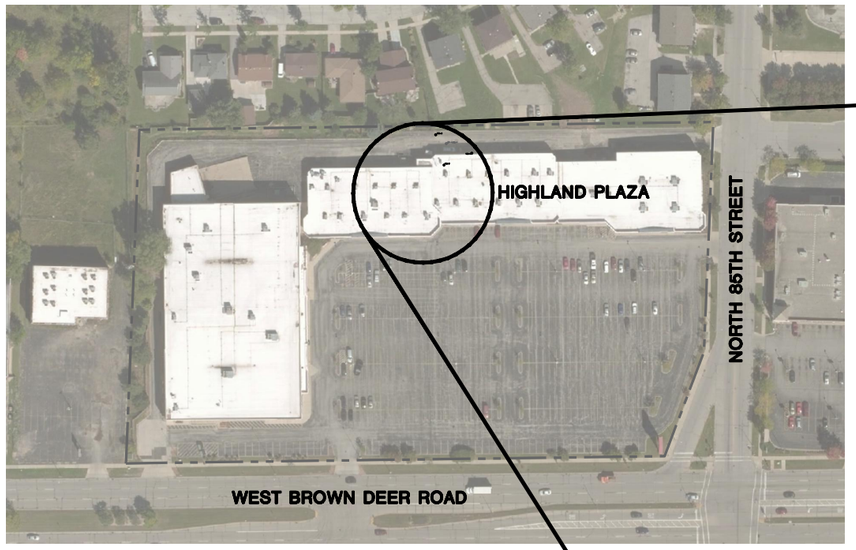


SITE OVERVIEW

LEGEND

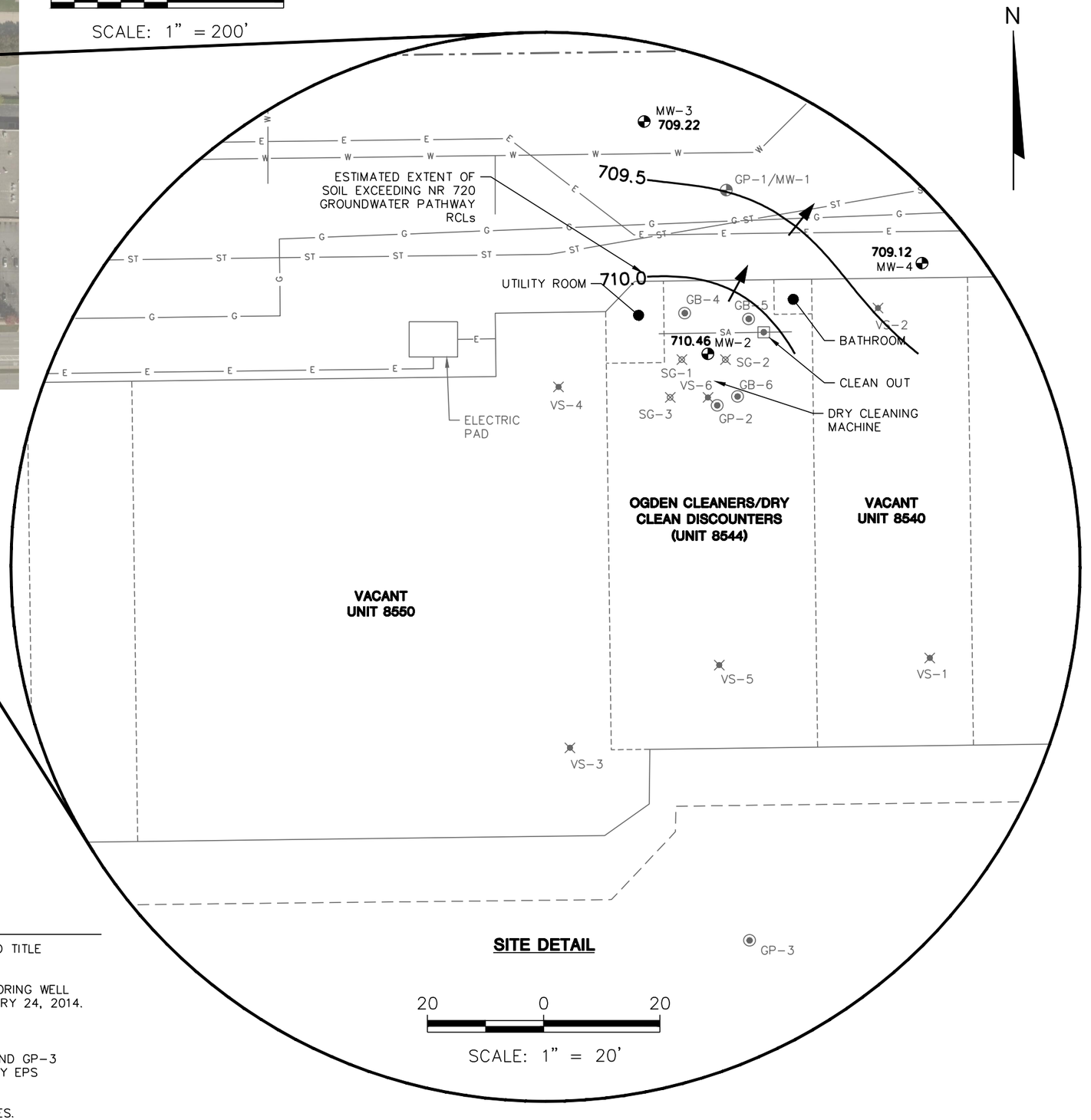
- PROPERTY LINE
- BUILDING OVERHANG
- INTERIOR BUILDING UNIT DIVISION
- E — BURIED ELECTRIC
- G — GAS MAIN
- SA — SANITARY SEWER
- ST — STORM SEWER
- W — WATER
- SUB-SLAB VAPOR PROBE (INSTALLED BY SCS ENGINEERS, JANUARY 2017)
- SUB-SLAB VAPOR PROBE (INSTALLED BY EDI CONSULTANTS, OCTOBER 2016)
- SOIL BORING
- MONITORING WELL
- ABANDONED MONITORING WELL
- 709.12 — WATER TABLE ELEVATION
- WATER TABLE CONTOUR
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:

1. PROPERTY LINE AND BUILDING LOCATIONS ARE APPROXIMATE, BASED ON ALTA/ACSM LAND TITLE SURVEY BY NATIONAL SURVEY & ENGINEERING, DATED JUNE 5, 2006.
2. INTERIOR BUILDING DIVISIONS ARE APPROXIMATE, BASED ON FIGURE 1, BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERVICES, CHICAGO, IL, DATED FEBRUARY 24, 2014.
3. SUB-SLAB VAPOR PROBE LOCATIONS ARE APPROXIMATE.
4. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE. GP-1/MW-1, GP-2, AND GP-3 BORING LOCATIONS BASED ON BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERIVCES, INC., FEBRUARY 24, 2014.
5. UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR LOCATING PURPOSES.

200 0 200

SCALE: 1" = 200'



SITE DETAIL

20 0 20

SCALE: 1" = 20'

WATER TABLE MAP

FIGURE 4

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

KP | REL | REL 07/25/17

DRAWN BY:
CHECKED BY:
APPROVED BY:

PROJECT NO. 25217027.01
DRAWN: 07/03/17
REVISED: 07/25/17

HIGHLAND PLAZA
8600 WEST BROWN DEER ROAD
MILWAUKEE, WISCONSIN

SITE

RJR ML, LLC.
1180 SOUTH BEVERLY DRIVE, SUITE 700
LOS ANGELES, CA 90035
(424) 284-7784

CLIENT

I:\25217027.00\Drawings\WTBL.dwg, 7/25/2017 3:22:20 PM

200 0 200 **SITE OVERVIEW**

SCALE: 1" = 200'

LEGEND

- PROPERTY LINE
- BUILDING OVERHANG
- INTERIOR BUILDING UNIT DIVISION
- E — BURIED ELECTRIC
- G — GAS MAIN
- SA — SANITARY SEWER
- ST — STORM SEWER
- W — WATER
- SUB-SLAB VAPOR PROBE (INSTALLED BY SCS ENGINEERS, JANUARY 2017)
- SUB-SLAB VAPOR PROBE (INSTALLED BY EDI CONSULTANTS, OCTOBER 2016)
- SOIL BORING
- MONITORING WELL
- ABANDONED MONITORING WELL

NOTES:

1. PROPERTY LINE AND BUILDING LOCATIONS ARE APPROXIMATE, BASED ON ALTA/ACSM LAND TITLE SURVEY BY NATIONAL SURVEY & ENGINEERING, DATED JUNE 5, 2006.
2. INTERIOR BUILDING DIVISIONS ARE APPROXIMATE, BASED ON FIGURE 1, BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERVICES, CHICAGO, IL, DATED FEBRUARY 24, 2014.
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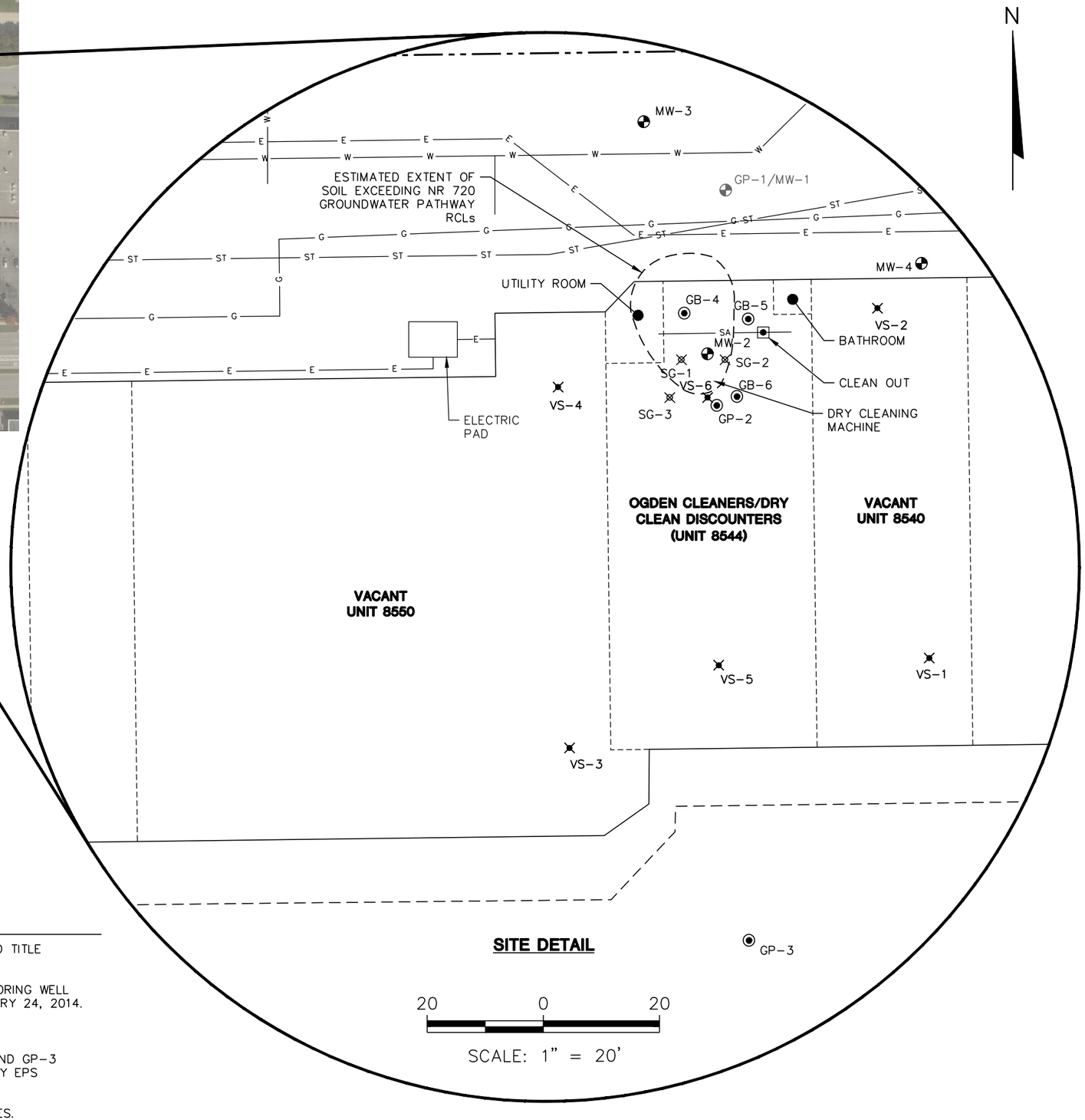
4. SOIL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE. GP-1/MW-1, GP-2, AND GP-3 BORING LOCATIONS BASED ON BORING AND MONITORING WELL LOCATION MAP PREPARED BY EPS ENVIRONMENTAL SERIVCES, INC., FEBRUARY 24, 2014.
5. UTILITY LOCATIONS ARE APPROXIMATE AND SHOULD NOT BE USED FOR LOCATING PURPOSES.



SITE DETAIL

20 0 20

SCALE: 1" = 20'

SOIL CONTAMINATION

FIGURE 5

SCS ENGINEERS
2830 DAIRY DRIVE MADISON, WI 53718-6751
PHONE: (608) 224-2830

ENGINEER

HIGHLAND PLAZA
8600 WEST BROWN DEER ROAD
MILWAUKEE, WISCONSIN

SITE

RJR ML, LLC.
1180 SOUTH BEVERLY DRIVE, SUITE 700
LOS ANGELES, CA 90035
(424) 284-7784

CLIENT

PROJECT NO.	25217027.01	DRAWN BY:	KP
DRAWN:	06/28/17	CHECKED BY:	REL
REVISED:	07/25/17	APPROVED BY:	REL 07/25/17

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APPENDIX A

Deed and Certified Survey Map

DOC.# 10392728

RECORDED
09/10/2014 02:26PM

JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: $30.00
TRANSFER FEE: $600.00
FEE EXEMPT #: 0
0
***This document has been electronically recorded and returned to the submitter. **

State Bar of Wisconsin Form 6-2003
SPECIAL WARRANTY DEED

Document Number | Document Name

THIS DEED, made between 8600 Brown Deer LLC, an Illinois limited liability company ("Grantor," whether one or more), and RJR ML, LLC, a Wisconsin limited liability company ("Grantee," whether one or more).

Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Milwaukee County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

SEE LEGAL DESCRIPTION ATTACHED
AS EXHIBIT A

Recording Area

Name and Return Address
RJR ML, LLC
3415 S. Sepulveda Blvd., Ste. 650
Los Angeles, CA 90034

Parcel Identification Number (PIN)

This is not homestead property.
(is) (is not)

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances arising by, through, or under Grantor, except:

See Permitted Exceptions attached as Exhibit B.

Dated August 27, 2014

8600 Brown Deer LLC,
an Illinois limited liability company (SEAL)
By: Cloverleaf Group, Inc., its Manager
* Jonathan E. Basofin, Executive Vice President

(SEAL)

(SEAL)

(SEAL)

AUTHENTICATION

Signature(s) _____

authenticated on _____

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:
Anne R. Garr, Freeborn & Peters LLP
311 South Wacker Drive, Suite 3000, Chicago, IL 60606

ACKNOWLEDGMENT

STATE OF ILLINOIS)
) ss.
COOK COUNTY)

Personally came before me on 8-27, 2014
the above-named Jonathan E. Basofin, Executive Vice President
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

*

Notary Public, State of ~~Wisconsin~~ Illinois
My Commission (is permanent) (expires: 8/9/14)

OFFICIAL SEAL
LIZ VANDENHEUVEL
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 8/9/2014

(Signatures may be authenticated or acknowledged. Both are not necessary.)

NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.

* Type name below signatures.

EXHIBIT A
LEGAL DESCRIPTION

That part of Lot 15 in Block 1 in Northridge Estates, being a Subdivision of part of the Southeast 1/4 of the Northwest 1/4 and the Northeast 1/4 and the Southeast 1/4 of the Southwest 1/4 Section 4, Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, which is bounded and described as follows:

Commencing at the Northeast corner of said Lot 15; thence due South along Easterly line of Lot 15 aforesaid 245.83 feet to a point; thence South 87°49'40" West 534.06 feet to a point; thence North 02°10'20" West 245.65 feet to a point in the Northerly line of said Lot 15; thence North 87°49'40" East along the Northerly line of Lot 15 aforesaid 543.38 feet to the point of beginning.

Tax Key No: 033-0015-100-X
Address: 8530-8564 W. Brown Deer Road

EXHIBIT B

PERMITTED EXCEPTIONS

1. General taxes for the year 2014, not yet due and payable.

2. Recitals as shown on that certain map/plat

   Recording Date: July 21, 1976

   Recording No: 5021075

   Which among other things recites

   "no lot or parcel as hereon set forth shall at any time subsequent to the recording of this plat be in any manner divided, described, or conveyed so as to result in lots, parcels or building sites having dimensions, areas, or courses other than as herein set forth, unless said divisions, descriptions, or conveyances are first approved by the Common Council of the City of Milwaukee, that the removal of the building within West Greenbrook Drive will be performed by the owner at no expense to the City of Milwaukee, that all utility lines to provide electric power and telephone service to all lots in the subdivision shall be installed underground in easements provided therefore, and that such restrictions are binding on the undersigned, his, her, or their heirs and assigns, such approval, however, shall not be required for the taking of land for public purposes".

   No vehicular access

   Reference is hereby made to said document for full particulars.

3. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

   Granted to: Wisconsin Electric Power Company and Wisconsin Telephone Company
   Recording Date: October 22, 1976
   Recording No: 5048693

4. Easement recorded as Document No. 5774101.

   Granted to: The City of Milwaukee
   Recorded: December 17, 1984
   Purpose: Watermain Easement

5. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

Granted to: Wisconsin Electric Power Company
Recording Date: September 24, 1984
Recording No: 5752878

6. Liability for special charges or assessments which are not shown as existing liens by the records of the City of Milwaukee Treasurer, but which would be disclosed by a City of Milwaukee Department of Neighborhood Services letter.

7. Provisions for taxes or assessments as contained in BID #48.

8. Rights of tenants in possession including any rights to tenants fixtures owned by such tenants located on the demised premises and any liens on such tenants fixtures, and all parties having a lien on or claiming by, through or under the lessee, which parties and liens are not separately shown herein.

9. Encroachment upon the subject premises to the extent of 9.4 feet by the canopy affixed to the brick and masonry building located on property lying south and west of the subject premises as disclosed by Plat of Survey prepared by National Survey & Engineering under date of June 5, 2006.

10. 23. Rights of utility companies to maintain the facilities set forth on the Plat of Survey prepared by National Survey & Engineering under date of June 5, 2006.

11. 24. Mutual parking spaces disclosed on Plat of Survey prepared by National Survey & Engineering under date of June 5, 2006.

12. 25. Possible adverse rights of adjoining owners in so much of the subject premises as lies North and West of the retaining wall with chain link fence on top, due to the fact that said wall is not on the boundary line but is located wholly on the subject premises, to an extent ranging up to 16.2' of a foot in from the boundary.

DOC.# 10392699

RECORDED
09/10/2014 02:06PM

JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: $30.00
TRANSFER FEE: $3,600.00
FEE EXEMPT #: 0
0
***This document has been electronically recorded and returned to the submitter. **

State Bar of Wisconsin Form 6-2003
SPECIAL WARRANTY DEED

Document Number | Document Name

THIS DEED, made between 8600 Brown Deer LLC, an Illinois limited liability company ("Grantor," whether one or more), and RJR ML, LLC, a Wisconsin limited liability company ("Grantee," whether one or more). Grantor for a valuable consideration, conveys to Grantee the following described real estate, together with the rents, profits, fixtures and other appurtenant interests, in Milwaukee County, State of Wisconsin ("Property") (if more space is needed, please attach addendum):

SEE LEGAL DESCRIPTION ATTACHED
AS EXHIBIT A

Recording Area

Name and Return Address
RJR ML, LLC
3415 S. Sepulveda Blvd., Ste. 650
Los Angeles, CA 90034

Parcel Identification Number (PIN)

This ___is not___ homestead property.
(is) (is not)

Grantor warrants that the title to the Property is good, indefeasible, in fee simple and free and clear of encumbrances arising by, through, or under Grantor, except:

See Permitted Exceptions attached as Exhibit B.

Dated August 27, 2014.

8600 Brown Deer LLC,
an Illinois limited liability company (SEAL)
By: Cloverleaf Group, Inc., its Manager

(SEAL)
* Jonathan E. Basofin, Executive Vice President

* (SEAL)

* (SEAL)

AUTHENTICATION

Signature(s) _____

authenticated on _____.

*

TITLE: MEMBER STATE BAR OF WISCONSIN
(If not, _____
authorized by Wis. Stat. § 706.06)

THIS INSTRUMENT DRAFTED BY:
Anne R. Garr, Freeborn & Peters LLP
311 South Wacker Drive, Suite 3000, Chicago, IL 60606

ACKNOWLEDGMENT

STATE OF ILLINOIS)
) ss.
Cook COUNTY)

Personally came before me on 8-27, 2014
the above-named Jonathan E. Basofin, Executive Vice President
to me known to be the person(s) who executed the foregoing instrument and acknowledged the same.

*

Notary Public, State of ~~Wisconsin~~ ILLINOIS
My Commission (is permanent) (expires: 11-9-14)

OFFICIAL SEAL
LIZ VANDENHEUVEL
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 11/09/14

(Signatures may be authenticated or acknowledged. Both are not necessary.)
NOTE: THIS IS A STANDARD FORM. ANY MODIFICATIONS TO THIS FORM SHOULD BE CLEARLY IDENTIFIED.
~~SPECIAL WARRANTY DEED~~ FORM NO. 6-2003
* Type name below signatures.

EXHIBIT A
LEGAL DESCRIPTION

That part of Lot 15 in Block 1 in Northridge Estates, being a Subdivision of a part of the Southeast 1/4 of the Northwest 1/4 and the Northeast 1/4 and the Southeast 1/4 of the Southwest 1/4 of Section 4, Town 8 North, Range 21 East, in the City of Milwaukee, County of Milwaukee, State of Wisconsin, which is bounded and described as follows:

Commencing at the Southwest corner of said Lot 15; thence North 00°14'06" East along the West line of Lot 15 aforesaid 440.39 feet to the Northwest corner of said Lot 15; thence North 87°49'40" East along the Northerly line of Lot 15 aforesaid 213.96 feet to a point; thence South 02°10'20" East 245.65 feet to a point; thence North 87°49'40" East 534.06 feet to a point in the Easterly line of said Lot 15; thence due South along the Easterly line of Lot 15 aforesaid 57.70 feet to an angle point; thence South 19°14'28" West along the Easterly line of Lot 15 aforesaid 146.82 feet to the Southeast corner of said Lot 15; thence South 87°49'40" West along the Southerly line of Lot 15 aforesaid 710.74 feet to the point of beginning.

Tax Key No: 033-0015-200-6
Address: 8600 W. Brown Deer Road

EXHIBIT B

PERMITTED EXCEPTIONS

1. General taxes for the year 2014, not yet due and payable.

   Assignment and Assumption Agreement dated June 19, 2006 and recorded on June 21, 2006, as Document No. 9256159.

2. Recitals as shown on that certain map/plat

   Recording Date: July 21, 1976

   Recording No: 5021075

   Which among other things recites

   "no lot or parcel as hereon set forth shall at any time subsequent to the recording of this plat be in any manner divided, described, or conveyed so as to result in lots, parcels or building sites having dimensions, areas, or courses other than as herein set forth, unless said divisions, descriptions, or conveyances are first approved by the Common Council of the City of Milwaukee, that the removal of the building within West Greenbrook Drive will be performed by the owner at no expense to the City of Milwaukee, that all utility lines to provide electric power and telephone service to all lots in the subdivision shall be installed underground in easements provided therefore, and that such restrictions are binding on the undersigned, his, her, or their heirs and assigns, such approval, however, shall not be required for the taking of land for public purposes".

   No vehicular access

   Reference is hereby made to said document for full particulars.

3. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

   Granted to: Wisconsin Electric Power Company and Wisconsin Telephone Company
   Recording Date: October 22, 1976
   Recording No: 5048693

4. Easement recorded as Document No. 5774101.

   Granted to: The City of Milwaukee
   Recorded: December 17, 1984
   Purpose: Watermain Easement

5. Easement(s) for the purpose(s) shown below and rights incidental thereto, as granted in a document:

   Granted to: Wisconsin Electric Power Company
   Recording Date: September 24, 1984
   Recording No: 5752878

6. Liability for special charges or assessments which are not shown as existing liens by the records of the City of Milwaukee Treasurer, but which would be disclosed by a City of Milwaukee Department of Neighborhood Services letter.

7. Provisions for taxes or assessments as contained in BID #48.

8. Rights of tenants in possession including any rights to tenants fixtures owned by such tenants located on the demised premises and any liens on such tenants fixtures, and all parties having a lien on or claiming by, through or under the lessee, which parties and liens are not separately shown herein.

9. Rights of utility companies to maintain the facilities set forth on the Plat of Survey prepared by National Survey & Engineering under date of June 5, 2006.

10. Mutual parking spaces disclosed on Plat of Survey prepared by National Survey & Engineering under date of June 5, 2006.

11. Possible adverse rights of adjoining owners in so much of the subject premises as lies North and West of the retaining wall with chain link fence on top, due to the fact that said wall is not on the boundary line but is located wholly on the subject premises, to an extent ranging up to 16.2' of a foot in from the boundary.

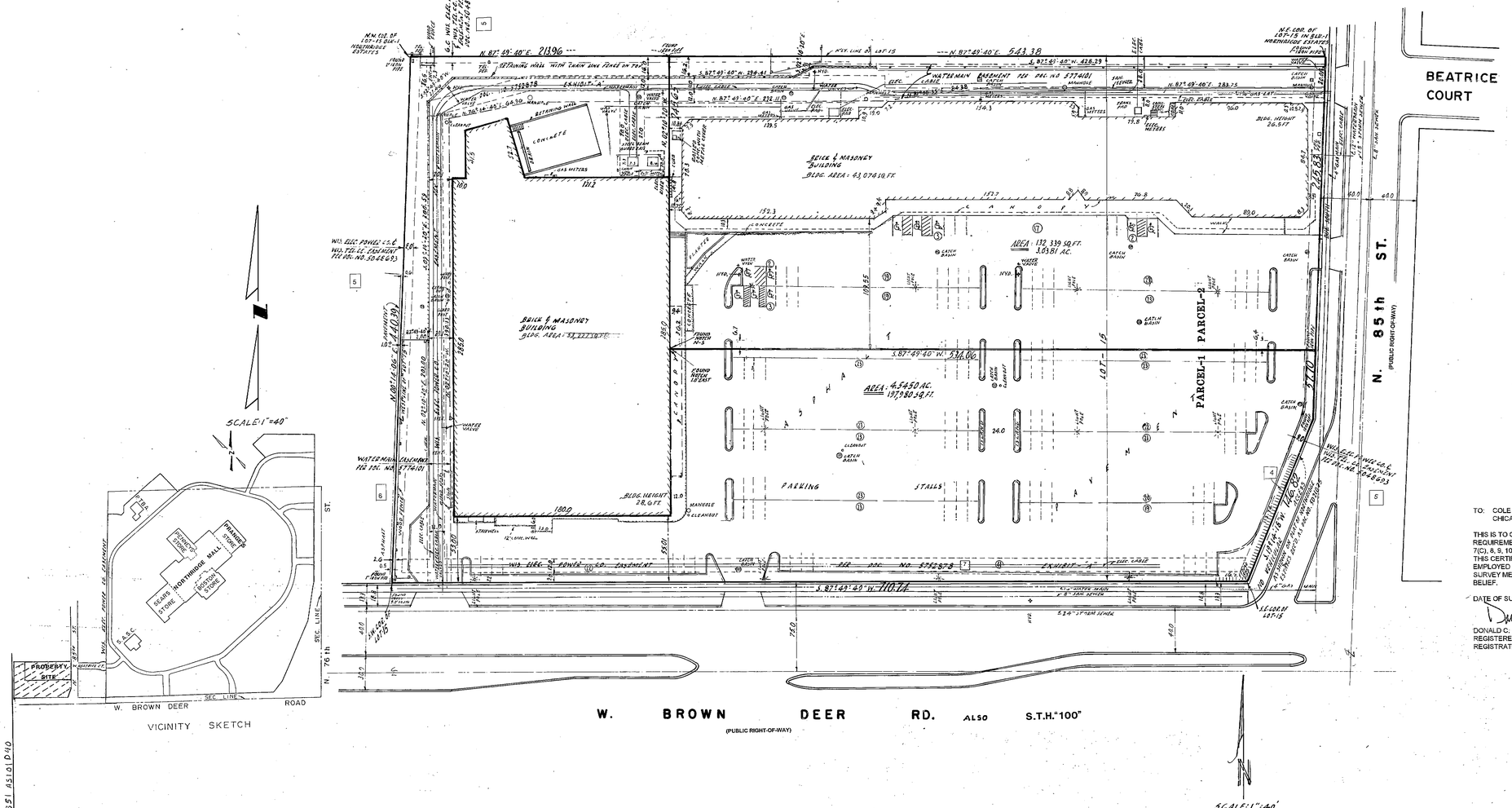
ALTA/ACSM LAND TITLE SURVEY

KNOWN AS 8600 AND 8530-8564 WEST BROWN DEER ROAD,
CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN

PARCEL 1 (8600 W BROWN DEER ROAD)
THAT PART OF LOT 15 IN BLOCK 1 IN NORTHRIDGE ESTATES, BEING A SUBDIVISION OF A PART OF TE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 AND THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 4, IN TOWNSHIP 8 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN, WHICH IS BOUNDED AND DESCRIBED AS FOLLOWS:
COMMENCING AT THE SOUTHWEST CORNER OF SAID LOT 15; THENCE NORTH 00 DEG. 14'06" EAST ALONG THE WEST LINE OF LOT 15 AFORESAID 440.39 FEET TO THE NORTHWEST CORNER OF SAID LOT 15; THENCE NORTH 87 DEG. 49'40" EAST ALONG THE NORTHERLY LINE OF LOT 15 AFORESAID 213.96 FEET TO A POINT; THENCE SOUTH 02 DEG. 10'20" EAST 245.65 FEET TO A POINT; THENCE NORTH 87 DEG. 49'40" EAST 534.06 FEET TO A POINT IN THE EASTERLY LINE OF SAID LOT 15; THENCE DUE SOUTH ALONG THE EASTERLY LINE OF LOT 15 AFORESAID 57.70 FEET TO AN ANGLE POINT; THENCE SOUTH 19 DEG. 14'26" WEST ALONG THE EASTERLY LINE OF LOT 15 AFORESAID 146.82 FEET TO THE SOUTHEAST CORNER OF SAID LOT 15; THENCE SOUTH 87 DEG. 49'40" WEST ALONG THE SOUTHERLY LINE OF LOT 15 AFORESAID 710.74 FEET TO THE POINT OF BEGINNING; EXCLUDING THE BUILDINGS AND IMPROVEMENTS LOCATED THEREON, NOT EXCLUDING HOWEVER, SUCH AS IS DESCRIBED AS "ANY ITEM NOW OR HEREAFTER INSTALLED IN OR ON THE LEASED PREMISES THAT IS AN INTEGRAL PART OF THE OPERATION OR MAINTENANCE OF THE SHOWROOM" IN PARAGRAPH 12.2 OF THE SHORT FORM OF LEASE RECORDED FEBRUARY 19, 1985, AS DOCUMENT NO. 5788493.

PARCEL 2 (8530-8564 W BROWN DEER ROAD)
THAT PART OF LOT 15 IN BLOCK 1 IN NORTHRIDGE ESTATES, BEING A SUBDIVISION OF A PART OF TE SOUTHEAST 1/4 OF THE NORTHWEST 1/4 AND THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 4, IN TOWNSHIP 8 NORTH, RANGE 21 EAST, IN THE CITY OF MILWAUKEE, MILWAUKEE COUNTY, WISCONSIN, WHICH IS BOUNDED AND DESCRIBED AS FOLLOWS:
COMMENCING AT THE NORTHEAST CORNER OF SAID LOT 15; THENCE DUE SOUTH ALONG THE EASTERLY LINE OF LOT 15 AFORESAID 245.83 FEET TO A POINT; THENCE SOUTH 87 DEG. 49'40" WEST 534.06 FEET TO A POINT; THENCE NORTH 02 DEG. 10'20" WEST 245.65 FEET TO A POINT IN THE NORTHERLY LINE OF SAID LOT 15; THENCE NORTH 87 DEG. 49'40" EAST ALONG THE NORTHERLY LINE OF LOT 15 AFORESAID 543.38 FEET TO THE POINT OF BEGINNING.

JUNE 5, 2008 | MORRIS VENTURES LLC | SURVEY NO. 153351-MS



A. **BASIS OF BEARINGS**
BEARINGS ARE BASED ON THE NORTH LINE OF THE SOUTHWEST 1/4 OF SECTION 4 WHICH IS ASSUMED TO BEAR SOUTH 87°49'40" WEST

B. **TITLE COMMITMENT**
THIS SURVEY WAS PREPARED BASED ON CHICAGO TITLE INSURANCE COMPANY PRO FORMA FILE NO. 31259/AMENDED, HICH LISTS THE FOLLOWING EASEMENTS AND/OR RESTRICTIONS:

1-2. NOT SURVEY RELATED

3. COVENANT SET FORTH IN PLAT OF NORTH RIDGE ESTATES RECITING AS FOLLOWS "NO LOT OR PARCEL AS HEREIN SET FORTH SHALL AT ANY TIME SUBSEQUENT TO THE RECORDING OF THIS PLAT BY IN ANY MANNER DIVIDED, DESCRIBED, OR CONVEYED SO AS TO RESULT IN LOTS, PARCELS OR BUILDING SITES HAVING DIMENSIONS, AREAS, OR COURSES OTHER THAN AS HEREIN SET FORTH, UNLESS SAID DIVISIONS, DESCRIPTIONS, OR CONVEYANCES ARE FIRST APPROVED BY THE COMMON COUNCIL OF THE CITY OF MILWAUKEE. THAT THE REMOVAL OF THE BUILDING WITHIN WEST GREENBROOK DRIVE WILL BE PERFORMED BY THE OWNER AT NO EXPENSE TO THE CITY OF MILWAUKEE, THAT ALL UTILITY LINES TO PROVIDE ELECTRIC POWER AND TELEPHONE SERVICE TO ALL LOTS IN THE SUBDIVISION SHALL BE INSTALLED UNDERGROUND IN EASEMENTS PROVIDED THEREFORE, AND THAT SUCH RESTRICTIONS ARE BINDING ON THE UNDERSIGNED, HIS, HER, OR THEIR HEIRS AND ASSIGNS, SUCH APPROVAL, HOWEVER, SHALL NOT BE REQUIRED FOR THE TAKING OF LAND FOR PUBLIC PURPOSES" RECORDED JULY 21, 1976 ON REEL 945, IMAGES 158-166 INCLUSIVE, AS DOCUMENT NO. 5021075. AFFECTS SITE BY LOCATION - GENERAL IN NATURE, CANNOT BE PLOTTED

4. LIMITATIONS AS TO ACCESS AS NOTED ON THE PLAT OF NORTHRIDGE ESTATES, WHEREIN THE SUBJECT PREMISES ARE DENIED ACCESS AT THE INTERSECTION OF NORTH 85TH STREET AND WEST BROWN DEER ROAD (STATE TRUNK HIGHWAY "100") AFFECTS SITE BY LOCATION - SHOWN

5. UTILITY EASEMENT AFFECTING THE NORTH 6' AND THE WEST 8' OF PARCEL 1 AND THE NORTH 6' AND EAST 8' OF PARCEL 2 GRANTED TO WISCONSIN ELECTRIC POWER COMPANY AND WISCONSIN TELEPHONE COMPANY, BY AN INSTRUMENT RECORDED IN REEL/VOLUME 968, IMAGE/PAGE 1943, AS DOCUMENT NO. 5048693. AFFECTS SITE BY LOCATION - SHOWN

6. WATERMAIN EASEMENT AFFECTING THE NORTHERLY AND WESTERLY PORTION OF PARCEL 1 AND THE NORTHERLY PORTION OF PARCEL 2 GRANTED BY HERBERT KOHL AND ALLEN D. KOHL TO THE CITY OF MILWAUKEE, DATED AUGUST 27, 1984 AND RECORDED DECEMBER 17, 1984 ON REEL 1709, IMAGE 683, AS DOCUMENT NO. 5774101. AFFECTS SITE BY LOCATION - SHOWN

7. UTILITY EASEMENT GRANTED TO WISCONSIN ELECTRIC POWER COMPANY BY AN INSTRUMENT RECORDED IN REEL/VOLUME 1681, IMAGE/PAGE 1169, AS DOCUMENT NO. 5752878. AFFECTS SITE BY LOCATION - SHOWN

8. NOT SURVEY RELATED

C. **FLOOD NOTE**
ACCORDING TO FLOOD INSURANCE RATE MAP OF THE CITY OF MILWAUKEE, COMMUNITY PANEL NO. 550278 0025B, EFFECTIVE DATE OF MARCH 1, 1982, THIS SITE FALLS IN ZONE C (AREAS OF MINIMAL FLOODING)

D. **PARKING SPACES**
THERE ARE 420 REGULAR AND 10 HANDICAPPED PARKING SPACES MARKED ON THIS SITE.

E. **MUNICIPAL ZONING**
THE BASIC ZONING INFORMATION LISTED BELOW IS TAKEN FROM MUNICIPAL CODES AND DOES NOT REFLECT ALL REGULATIONS THAT MAY APPLY - SITE IS ZONED RB-1 REGIONAL BUSINESS

MINIMUM FRONT SETBACK - AVERAGE
SIDEYARD SETBACK - NONE
REARYARD SETBACK - NONE
MAXIMUM HEIGHT - 85.0

TO: COLE TAYLOR BANK
CHICAGO TITLE INSURANCE COMPANY

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH "MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/ACSM LAND TITLE SURVEYS," JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS IN 2005 AND INCLUDES ITEMS 1, 3, 4, 6, 7(A), 7(C), 8, 9, 10, AND 11(A) OF TABLE "A" THEREOF. PURSUANT TO THE ACCURACY STANDARDS AS ADOPTED BY ALTA AND NSPS AND IN EFFECT ON THE DATE OF THIS CERTIFICATION, UNDERSIGNED FURTHER CERTIFIES THAT PROPER FIELD PROCEDURES, INSTRUMENTATION, AND ADEQUATE SURVEY PERSONNEL WERE EMPLOYED IN ORDER TO ACHIEVE RESULTS COMPARABLE TO THOSE OUTLINED IN THE "MINIMUM ANGLE, DISTANCE, AND CLOSURE REQUIREMENTS FOR SURVEY MEASUREMENTS" WHICH CONTROL LAND BOUNDARIES FOR ALTA/ACSM LAND TITLE SURVEYS, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE OF SURVEY: JUNE 5, 2006

DONALD C. CHAPUT
REGISTERED LAND SURVEYOR
REGISTRATION NO. S-1316

WISCONSIN DONALD C. CHAPUT S-1316 BROOKFIELD WI LAND SURVEYOR

ORIGINAL

National Survey & Engineering
A Division of R.A. Smith & Associates, Inc.
262-781-1000
Fax 262-797-7373
16745 W. Bluemound Road
Suite 200
Brookfield, WI
53005-5938
www.nsae.com

153351AS211X40 MS

153351 AS101D40

APPENDIX B

Soil Boring Logs, Borehole Abandonment Forms, and
Well Construction Documentation

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highland Plaza SCS#: 25217027.01		GB-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	6/1/2017	6/1/2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet	Feet	2.0 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SW 1/4 of Section 4, T 8 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location
Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Miwaukee

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	CONCRETE AND GRAVEL.										
S1	40		1	SILT, with trace gravel, tan.	ML			8.6		M				
			2	LEAN CLAY, tan, stiff, trace fine to coarse gravel.										
			3					11.2		M				
S2			4					12.5		M				
S3	48		5					31.5		M				
			6											
S4			7					11.3		M				
			8		CL									
S5	48		9					12.1		M+				water at 9 ft bgs.
			10	transition to gray at 10 ft bgs.										
S6			11					7.9		M+				
			12											
S7	48		13					11.1		M+				
			14											
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	SCS Engineers 2830 Dairy Drive Madison, WI 53711	(608) 224-2830 Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GB-4 Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S8					CL			11.0		M+				
			16	End of boring at 16 ft bgs. Refusal.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highland Plaza SCS#: 25217027.01		GB-5

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	6/1/2017	6/1/2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet	Feet	2.0 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SW 1/4 of Section 4, T 8 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Miwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			0	CONCRETE WITH PEA GRAVEL.										
S1			1	LEAN CLAY, tan, stiff, trace fine to coarse gravel.				10.5						
	36		2											
			3					14.2		M				
S2			4					13.1		M				
S3			5					11.2		M				
	48		6											
S4			7					10.7		M				
			8		CL									
S5			9					11.2		M				
	48		10	Transition to medium stiff at 10 ft bgs.										
S6			11	Trasition to gray at 11 ft bgs.				16.7		M+				water at 10.5 ft bgs.
			12											
			13					14.7		M+				
	36		14											
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	SCS Engineers 2830 Dairy Drive Madison, WI 53711	(608) 224-2830 Fax:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GB-5 Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			16					16.9		M+				
			17					17.1		M+				
	30		18		CL									
			19					20.8		M+				
			20	End of boring at 20 ft bgs.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highland Plaza SCS#: 25217027.01		GB-6

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	6/1/2017	6/1/2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
			Feet	Feet	2.0 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SW 1/4 of Section 4, T 8 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Miwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	40		1	CONCRETE WITH GRAVEL.										
				LEAN CLAY, brown, very stiff.	CL			20.9		M				
			2	SILT WITH GRAVEL, brown, fine to coarse grain gravel.	ML			18.4		M				
S2			3	LEAN CLAY, brown, trace fine to coarse grain gravel.				16.2		M				
S3	40		4					16.6		M				
S4			5					12.3		M				
S5	30		6					13.5		M				
S6	36		7	transition to medium stiff lean clay.	CL			14.9		M+				water at 10.5 ft bgs.
			8	transition to gray lean clay.				13.0		M+				
			9											
			10											
			11											
			12											
			13											
			14											
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm	Tel:
	SCS Engineers 2830 Dairy Drive Madison, WI 53711	(608) 224-2830 Fax:

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number GB-6 Use only as an attachment to Form 4400-122.

Sample										Soil Properties					
Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
			16					9.9		M+				
			17					10.2		M+				
	48		18		CL									
			19					9.2		M+				
			20	End of boring at 20 ft bgs.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highland Plaza SCS#: 25217027.01		MW-2

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	6/1/2017	6/1/2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VY834			Feet	Feet	2.0 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SW 1/4 of Section 4, T 8 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Miwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	42		1	CONCRETE WITH GRAVEL AND SAND.										
				LEAN CLAY, tan, medium stiff, some gravel.	CL			12.1		M				
			2	SILT WITH GRAVEL, fine gravel, tan.	ML									
				LEAN CLAY, tan, stiff, trace fine gravel.										
S2			3					8.7		M				
			4					9.2						
S3	48		5					21.3		M				
			6											
S4			7					14.1		M				
			8	coarse gravel at 7.5-8 ft bgs.	CL									
S5			9					13.4		M				
	48		10	transition to gray at 10 ft bgs.										
S6			11					12.4		M+				water at 10 ft bgs.
			12											
S7			13					11.5		M+				
	48		14											
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm SCS Engineers Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-2 Use only as an attachment to Form 4400-122.

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S8			16					6.7		M+				
S9	48		17		CL			9.5		M+				
			18											
S10			19					8.8		M+				
			20	End of boring at 20 ft bgs.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highland Plaza SCS#: 25217027.01		MW-3

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	6/1/2017	6/1/2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VY835			Feet	Feet	2.0 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SW 1/4 of Section 4, T 8 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Miwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	24		1	ASPHALT AND CONCRETE.										
			2	LEAN CLAY, brown, very stiff, trace gravel.						NR				
S2			3					10.4		M				
			4											
			5											
S3			6					7.3		M				
	60		7											
			8		CL									
S4			9					10.0		M				
			10	transition to medium soft and plastic lean clay.										
S5			11	transition to gray at 11 ft bgs.				12.6		M+				water at 11 ft bgs.
	40		12											
			13											
S6			14					13.4		M+				
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm SCS Engineers Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-3 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
S7	48		16		CL			9.3		M+				
			17											
			18											
S8			19					11.4		M+				
			20											
				End of boring at 20.5 ft bgs.										

State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION

Form 4400-122 Rev. 7-98

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name	License/Permit/Monitoring Number	Boring Number
Highland Plaza SCS#: 25217027.01		MW-4

Boring Drilled By: Name of crew chief (first, last) and Firm	Date Drilling Started	Date Drilling Completed	Drilling Method
Tony Kapugi On-Site Environmental	6/1/2017	6/1/2017	Direct Push

WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level	Surface Elevation	Borehole Diameter
VY836			Feet	Feet	2.0 in.

Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐
State Plane N, E S/C/N
SE 1/4 of SW 1/4 of Section 4, T 8 N, R 21 E
Lat ° ' "
Long ° ' "
Local Grid Location Feet ☐ N ☐ S Feet ☐ E ☐ W

Facility ID	County	County Code	Civil Town/City/ or Village
	Milwaukee	41	Miwaukee

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD/ Comments
S1	48		1	ASPHALT AND CONCRETE.										
			2	LEAN CLAY, brown, trace fine to coarse gravel.				6.5						
			3					8.9		M				
S2			4					9.4		M				
			5											
S3	60		6					8.9						
			7											
			8		CL									
S4			9					6.8		M				
			10	transition to medium stiff at 10 ft bgs.										
S5	40		11	transition to gray at 11 ft bgs.				5.5		M+				water at 11 ft bgs.
			12											
			13											
S6			14					10.1		M+				
			15											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature Firm SCS Engineers Tel: Fax:

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State of Wisconsin
Department of Natural Resources

SOIL BORING LOG INFORMATION SUPPLEMENT
Form 4400-122A

Boring Number MW-4 Use only as an attachment to Form 4400-122.

Sample Number and Type	Sample Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties: Standard Penetration	Soil Properties: Moisture Content	Soil Properties: Liquid Limit	Soil Properties: Plasticity Index	Soil Properties: P 200	RQD/ Comments
S7	36		16		CL			14.4		M+				
			17											
			18											
S8			19	SILT, tan, soft	ML			12.8		M+				
			20											
				End of boring at 20.5 ft bgs.										

State of Wis., Dept. of Natural Resources SCS No. 25217027.01
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	GB-4	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		4	8 N	21 ☒ E ☐ W

Well Street Address: 8600 West Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary borehole	GB-4

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/01/2017

If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
16	--

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	--

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	9

2. Facility / Owner Information

Facility Name: Highland Plaza
Facility ID (FID or PWS):
License/Permit/Monitoring #:

Original Well Owner: Symeon Davis- RJR ML, LLC
Present Well Owner: Symeon Davis- RJR ML, LLC
Mailing Address of Present Owner: 1180 South Beverly Drive, Suite 700

City of Present Owner	State	ZIP Code
Los Angeles	CA	90035

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only.
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite chips	Surface	16	.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
SCS Engineers		06/01/2017

Street or Route	Telephone Number
2830 Dairy Drive	(608)224-2830

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53718		6/23/17

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources SCS No. 25217027.01
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	GB-5	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		4	8 N	21 ☒ E ☐ W

Well Street Address: 8600 West Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary borehole	GB-5

2. Facility / Owner Information

Facility Name: Highland Plaza
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Symeon Davis- RJR ML, LLC
Present Well Owner: Symeon Davis- RJR ML, LLC
Mailing Address of Present Owner: 1180 South Beverly Drive, Suite 700

City of Present Owner	State	ZIP Code
Los Angeles	CA	90035

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/01/2017
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	--

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	--

Was well annular space grouted? ☐ Yes ☒ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	10.5

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite chips	Surface	20	.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
SCS Engineers		06/01/2017

Street or Route	Telephone Number
2830 Dairy Drive	(608)224-2830

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53718		6/23/17

DNR Use Only

Date Received	Noted By

Comments:

State of Wis., Dept. of Natural Resources SCS No. 25217027.01
dnr.wi.gov

Well / Drillhole / Borehole Filling & Sealing Report

Form 3300-005 (R 4/2015)

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and chs. NR 141 and 812, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between $10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

☐ **Verification Only of Fill and Seal**

Route to DNR Bureau:
☐ Drinking Water ☐ Watershed/Wastewater ☒ Remediation/Redevelopment
☐ Waste Management ☐ Other: _____

1. Well Location Information

County	WI Unique Well # of Removed Well	Hicap #
Milwaukee	GB-6	

Latitude / Longitude (see instructions) _____ N _____ W
Format Code: ☐ DD ☐ DDM
Method Code: ☐ GPS008 ☐ SCR002 ☐ OTH001

¼ / ¼ SE	¼ SW	Section	Township	Range
or Gov't Lot #		4	8 N	21 ☒ E ☐ W

Well Street Address: 8600 West Brown Deer Road

Well City, Village or Town	Well ZIP Code
Milwaukee	53224

Subdivision Name	Lot #

Reason for Removal from Service	WI Unique Well # of Replacement Well
Temporary borehole	GB-6

2. Facility / Owner Information

Facility Name: Highland Plaza
Facility ID (FID or PWS):
License/Permit/Monitoring #:
Original Well Owner: Symeon Davis-RJR ML, LLC
Present Well Owner: Symeon Davis-RJR ML, LLC
Mailing Address of Present Owner: 1180 South Beverly Drive, Suite 700

City of Present Owner	State	ZIP Code
Los Angeles	CA	90035

3. Filled & Sealed Well / Drillhole / Borehole Information

☐ Monitoring Well
☐ Water Well
☒ Borehole / Drillhole

Original Construction Date (mm/dd/yyyy): 06/01/2017
If a Well Construction Report is available, please attach.

Construction Type:
☐ Drilled ☐ Driven (Sandpoint) ☐ Dug
☒ Other (specify): Direct push

Formation Type:
☒ Unconsolidated Formation ☐ Bedrock

Total Well Depth From Ground Surface (ft.)	Casing Diameter (in.)
20	2

Lower Drillhole Diameter (in.)	Casing Depth (ft.)
2	--

Was well annular space grouted? ☐ Yes ☐ No ☐ Unknown

If yes, to what depth (feet)?	Depth to Water (feet)
	10

4. Pump, Liner, Screen, Casing & Sealing Material

Pump and piping removed?	☐ Yes	☐ No	☒ N/A
Liner(s) removed?	☐ Yes	☐ No	☒ N/A
Liner(s) perforated?	☐ Yes	☐ No	☒ N/A
Screen removed?	☐ Yes	☐ No	☒ N/A
Casing left in place?	☐ Yes	☐ No	☒ N/A
Was casing cut off below surface?	☐ Yes	☐ No	☒ N/A
Did sealing material rise to surface?	☒ Yes	☐ No	☐ N/A
Did material settle after 24 hours?	☐ Yes	☒ No	☐ N/A
If yes, was hole retopped?	☐ Yes	☐ No	☒ N/A
If bentonite chips were used, were they hydrated with water from a known safe source?	☒ Yes	☐ No	☐ N/A

Required Method of Placing Sealing Material
☐ Conductor Pipe-Gravity ☐ Conductor Pipe-Pumped
☒ Screened & Poured (Bentonite Chips) ☐ Other (Explain): _____

Sealing Materials
☐ Neat Cement Grout ☐ Concrete
☐ Sand-Cement (Concrete) Grout ☒ Bentonite Chips

For Monitoring Wells and Monitoring Well Boreholes Only:
☐ Bentonite Chips ☐ Bentonite - Cement Grout
☐ Granular Bentonite ☐ Bentonite - Sand Slurry

5. Material Used to Fill Well / Drillhole

	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
3/8" Bentonite Chips	Surface	20	.5	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Filling & Sealing	License #	Date of Filling & Sealing or Verification (mm/dd/yyyy)
SCS Engineers		06/01/2017

Street or Route	Telephone Number
2830 Dairy Drive	(608) 224-2830

City	State	ZIP Code	Signature of Person Doing Work	Date Signed
Madison	WI	53718		06/22/2017

DNR Use Only

Date Received	Noted By

Comments:

SCS # 25217027.01

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Highland Plaza	Local Grid Location of Well ☐ N. ☐ S. ____ ft. ☐ E. ☐ W. ____ ft.	Well Name: MW-2
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VY834 / DNR Well ID No.
Facility ID	St. Plane ____ ft. N, ____ ft. E. S/C/N	Date Well Installed: 06 / 01 / 2017 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of SW 1/4 of Sec. 4, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi / On-Site Environmental
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 719.06 ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

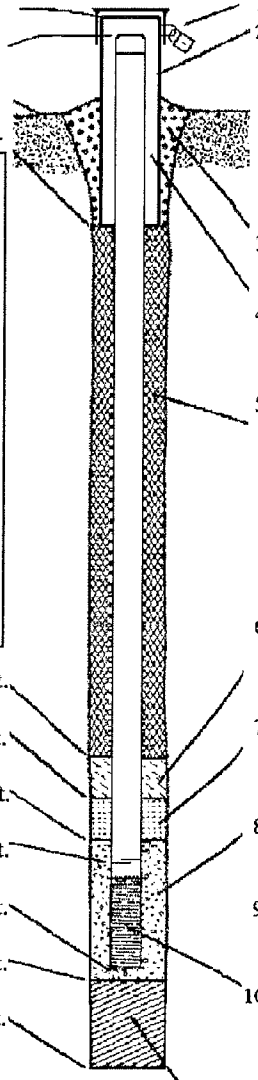
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☐ 41 / Direct push / Other ☒

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top ____ ft. MSL or 1 ft.
F. Fine sand, top ____ ft. MSL or ____ ft.
G. Filter pack, top ____ ft. MSL or 7.5 ft.
H. Screen joint, top ____ ft. MSL or 9.9 ft.
I. Well bottom ____ ft. MSL or 19.9 ft.
J. Filter pack, bottom ____ ft. MSL or 20 ft.
K. Borehole, bottom ____ ft. MSL or 20 ft.
L. Borehole, diameter 2.5 in.
M. O.D. well casing 1.2 in.
N. I.D. well casing 1.0 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 6 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. .25 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐
7. Fine sand material: Manufacturer, product name & mesh size
a. ____ ☐
b. Volume added ____ ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio Sand #5 ☐
b. Volume added .2 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SCS # 25217027.01

State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION
Form 4400-113A Rev. 7-98

Facility/Project Name: Highland Plaza	Local Grid Location of Well ☐ N. ☐ S. ____ ft. ☐ E. ☐ W. ____ ft.	Well Name: MW-3
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VY835 / DNR Well ID No.
Facility ID	St. Plane ____ ft. N. ____ ft. E. S/C/N	Date Well Installed: 06 / 01 / 2017 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of SW 1/4 of Sec. 4 T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi / On-Site Environmental
Distance from Waste/Source ____ ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number

A. Protective pipe, top elevation ____ ft. MSL
B. Well casing, top elevation 719.29 ft. MSL
C. Land surface elevation ____ ft. MSL
D. Surface seal, bottom ____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☐ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

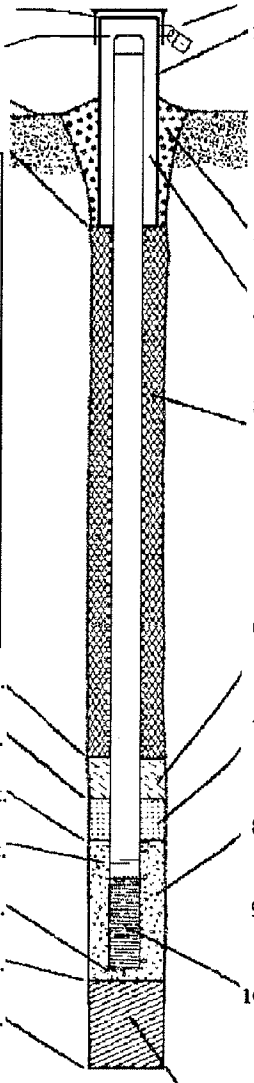
14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No
Describe ____

17. Source of water (attach analysis, if required):
____

E. Bentonite seal, top ____ ft. MSL or 1 ft.
F. Fine sand, top ____ ft. MSL or 6 ft.
G. Filter pack, top ____ ft. MSL or 8 ft.
H. Screen joint, top ____ ft. MSL or 10 ft.
I. Well bottom ____ ft. MSL or 20 ft.
J. Filter pack, bottom ____ ft. MSL or 20.5 ft.
K. Borehole, bottom ____ ft. MSL or 20.5 ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing 2.38 in.
N. I.D. well casing 2.03 in.



1. Cap and lock? ☒ Yes ☐ No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: ____
3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ ___
4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ ___
5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. ____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. ____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. ____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.25 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08
6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. ____ Other ☐ ___
7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley Ohio- 30/100 ☐
b. Volume added .5 ft^3
8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio Sand #5 ☐
b. Volume added 3.25 ft^3
9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___
10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.
11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature ____ Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SCS # 25217027.01

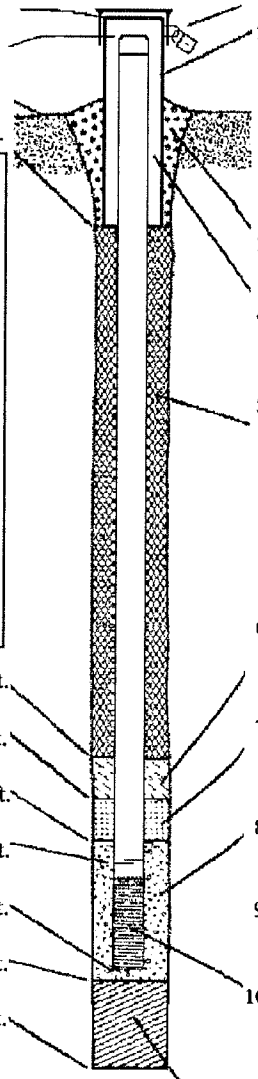
State of Wisconsin
Department of Natural Resources

Route to: Watershed/Wastewater ☐ Waste Management ☐ Remediation/Redevelopment ☒ Other ☐

MONITORING WELL CONSTRUCTION

Form 4400-113A Rev. 7-98

Facility/Project Name: Highland Plaza	Local Grid Location of Well ☐ ft. ☐ N. ☐ S. ☐ ft. ☐ E. ☐ W.	Well Name: MW-4
Facility License, Permit or Monitoring No.	Local Grid Origin ☐ (estimated: ☐) or Well Location ☐ Lat. ° ' " Long. ° ' " or	Wis. Unique Well No.: VY836 / DNR Well ID No.
Facility ID	St. Plane ft. N, ft. E. S/C/N	Date Well Installed: 06 / 01 / 2017 (m m d d y y y y)
Type of Well: Well Code 11 / MW	Section Location of Waste/Source: SE 1/4 of SW 1/4 of Sec. 4, T. 8 N, R. 21 ☒ E ☐ W	Well Installed By: Name (first, last) and Firm: Tony Kapugi / On-Site Environmental
Distance from Waste/Source ft. / Enf. Stds. Apply ☐	Location of Well Relative to Waste/Source: u ☐ Upgradient s ☐ Sidegradient d ☐ Downgradient n ☐ Not Known	Gov. Lot Number



A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation 718.27 ft. MSL

C. Land surface elevation _____ ft. MSL

D. Surface seal, bottom _____ ft. MSL or 1.0 ft.

12. USCS classification of soil near screen:
GP ☐ GM ☐ GC ☐ GW ☐ SW ☐ SP ☐
SM ☐ SC ☐ ML ☒ MH ☐ CL ☒ CH ☐
Bedrock ☐

13. Sieve analysis performed? ☐ Yes ☒ No

14. Drilling method used: Rotary ☐ 50 / Hollow Stem Auger ☒ 41 / Other ☐ ___

15. Drilling fluid used: Water ☐ 02 / Air ☐ 01 / Drilling Mud ☐ 03 / None ☒ 99

16. Drilling additives used? ☐ Yes ☒ No

Describe _____

17. Source of water (attach analysis, if required):

E. Bentonite seal, top _____ ft. MSL or 1 ft.

F. Fine sand, top _____ ft. MSL or 6 ft.

G. Filter pack, top _____ ft. MSL or 8 ft.

H. Screen joint, top _____ ft. MSL or 10 ft.

I. Well bottom _____ ft. MSL or 20 ft.

J. Filter pack, bottom _____ ft. MSL or 20.5 ft.

K. Borehole, bottom _____ ft. MSL or 20.5 ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.38 in.

N. I.D. well casing 2.03 in.

1. Cap and lock? ☒ Yes ☐ No

2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel ☒ 04 / Other ☐ ___
d. Additional protection? ☐ Yes ☒ No
If yes, describe: _____

3. Surface seal: Bentonite ☐ 30 / Concrete ☒ 01 / Other ☐ ___

4. Material between well casing and protective pipe: Bentonite ☒ 30 / Other ☐ ___

5. Annular space seal: a. Granular/Chipped Bentonite ☒ 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry ☐ 35
c. _____ Lbs/gal mud weight . . . . . Bentonite slurry ☐ 31
d. _____ % Bentonite . . . . . Bentonite-cement grout ☐ 50
e. 2.25 Ft^3 volume added for any of the above
f. How installed: Tremie ☐ 01 / Tremie pumped ☐ 02 / Gravity ☒ 08

6. Bentonite seal: a. Bentonite granules ☐ 33
b. ☐ 1/4 in. ☒ 3/8 in. ☐ 1/2 in. Bentonite chips ☒ 32
c. _____ Other ☐ ___

7. Fine sand material: Manufacturer, product name & mesh size
a. Sidley Ohio- 30/100 ☐
b. Volume added .5 ft^3

8. Filter pack material: Manufacturer, product name & mesh size
a. Sidley Ohio Sand #5 ☐
b. Volume added 3.25 ft^3

9. Well casing: Flush threaded PVC schedule 40 ☒ 23 / Flush threaded PVC schedule 80 ☐ 24 / Other ☐ ___

10. Screen material: PVC
a. Screen type: Factory cut ☒ 11 / Continuous slot ☐ 01 / Other ☐ ___
b. Manufacturer Monoflex
c. Slot size: 0.010 in.
d. Slotted length: 10 ft.

11. Backfill material (below filter pack): None ☒ 14 / Other ☐ ___

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature _____ Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between $10 and $25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

SCS # 25217027.01

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Highland Plaza	Milwaukee	MW-2
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	41	VY834 /

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☒ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ___ ___ 10 min.

4. Depth of well (from top of well casisng) ___ ___ 19.5 ft.

5. Inside diameter of well ___ 1 0 . ___ in.

6. Volume of water in filter pack and well casing ___ ___ 0 3 . ___ gal.

7. Volume of water removed from well ___ ___ 0 5 . ___ gal.

8. Volume of water added (if any) ___ ___ -. - gal.

9. Source of water added None added

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. ___ ___ 15 . ___ 47 ft.	___ ___ 19 . ___ 55 ft.
Date	b. 06 / 07 / ___ ___ 2017 (m m / d d / y y y y)	06 / 07 / ___ 2017 (m m / d d / y y y y)
Time	c. 10 : 50 ☒ a.m. ☐ p.m.	11 : 00 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	___ 0 . 0 inches	___ 0 . 0 inches
13. Water clarity	Clear ☒ 10 Turbid ☐ 15 (Describe) Clear	Clear ☒ 20 Turbid ☐ 25 (Describe) Clear

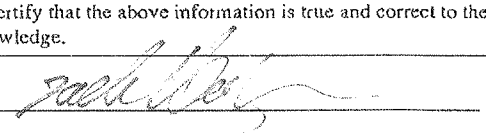
Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	___ ___ ___ ___ . ___ mg/l	___ ___ ___ ___ . ___ mg/l
15. COD	___ ___ ___ ___ . ___ mg/l	___ ___ ___ ___ . ___ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Zach Last Name: Watson
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Symeon Last Name: Davis
Facility/Firm: RJR ML, LLC
Street: 1180 South Beverly Drive, Suite 700
City/State/Zip: Los Angeles, California 90035

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: 
Print Name: Zach Watson
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

SCS # 25217027.01

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Highland Plaza	Milwaukee	MW-3
Facility License, Permit or Monitoring Number	**County Code**	**Wis. Unique Well Number** / **DNR Well ID Number**
	41	VY835 /

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☒ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐ ___

3. Time spent developing well ___10___ min.

4. Depth of well (from top of well casisng) __20.1__ ft.

5. Inside diameter of well __2.03__ in.

6. Volume of water in filter pack and well casing __8.1__ gal.

7. Volume of water removed from well __4.5__ gal.

8. Volume of water added (if any) ___._ gal.

9. Source of water added None added

10. Analysis performed on water added? ☐ Yes ☐ No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 11.40 ft.	20.1 ft.
Date	b. 06/07/2017 (m m d d y y y y)	06/07/2017 (m m d d y y y y)
Time	c. 10:40 ☒ a.m. ☐ p.m.	10:50 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15	Clear ☐ 20 Turbid ☒ 25
(Describe)	Light brown	Light brown

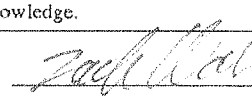
Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Zach Last Name: Watson
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Symeon Last Name: Davis
Facility/Firm: RJR ML, LLC
Street: 1180 South Beverly Drive, Suite 700
City/State/Zip: Los Angeles, California 90035

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: 
Print Name: Zach Watson
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

SCS # 25217027.01

State of Wisconsin
Department of Natural Resources

MONITORING WELL DEVELOPMENT

Form 4400-113B Rev. 7-98

Route to: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐ _____

Facility/Project Name	County Name	Well Name
Highland Plaza	Milwaukee	MW-4

Facility License, Permit or Monitoring Number	County Code	Wis. Unique Well Number	DNR Well ID Number
	41	VY836	

1. Can this well be purged dry? ☒ Yes ☐ No

2. Well development method

surged with bailer and bailed	☐ 41
surged with bailer and pumped	☐ 61
surged with block and bailed	☐ 42
surged with block and pumped	☐ 62
surged with block, bailed and pumped	☐ 70
compressed air	☐ 20
bailed only	☒ 10
pumped only	☐ 51
pumped slowly	☐ 50
Other _____	☐

3. Time spent developing well ____ min.

4. Depth of well (from top of well casisng) 20.0 ft.

5. Inside diameter of well 2.03 in.

6. Volume of water in filter pack and well casing 9.5 gal.

7. Volume of water removed from well 17.5 gal.

8. Volume of water added (if any) ---.- gal.

9. Source of water added None added

10. Analysis performed on water added? (If yes, attach results) ☐ Yes ☐ No

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. 8.58 ft.	20.0 ft.
Date	b. 06/02/2017 (m m d d y y y y)	06/07/2017 (m m d d y y y y)
Time	c. 11:30 ☒ a.m. ☐ p.m.	10:30 ☒ a.m. ☐ p.m.
12. Sediment in well bottom	0.0 inches	0.0 inches
13. Water clarity	Clear ☐ 10 Turbid ☒ 15 (Describe) Light brown	Clear ☐ 20 Turbid ☒ 25 (Describe) Light brown

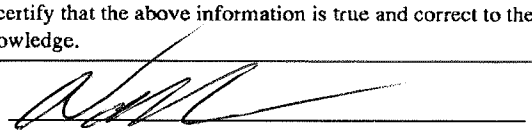
Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids	____.__ mg/l	____.__ mg/l
15. COD	____.__ mg/l	____.__ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Nathan Last Name: Harms
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

17. Additional comments on development:
Bailed 9 gallons on 6/2/17
Bailed 8.5 gallons on 6/7/17

Name and Address of Facility Contact /Owner/Responsible Party
First Name: Symeon Last Name: Davis
Facility/Firm: RJR ML, LLC
Street: 1180 South Beverly Drive, Suite 700
City/State/Zip: Los Angeles, California 90035

I hereby certify that the above information is true and correct to the best of my knowledge.
Signature: 
Print Name: Nathan Harms
Firm: SCS ENGINEERS, 2830 Dairy Drive, Madison, WI 53718

NOTE: See instructions for more information including a list of county codes and well type codes.

APPENDIX C

Photos

Highland Plaza, Milwaukee, Wisconsin
Dry Cleaner Unit Photos
SCS Engineers Project #25217027.01

Photo 1: Looking north inside dry cleaner unit (January 19, 2017).

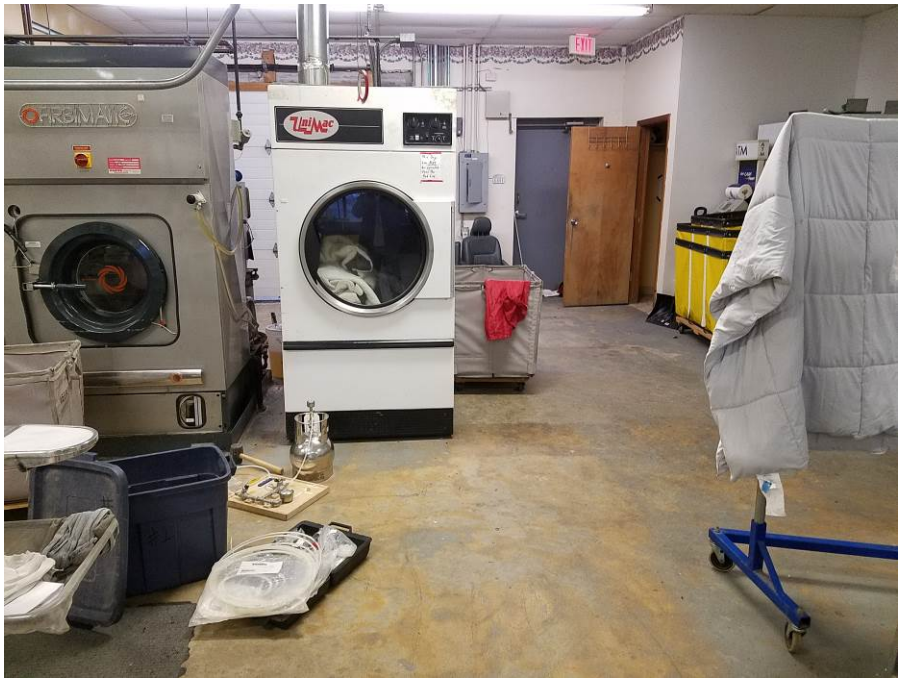


Photo 2: Looking north at dry cleaning machines inside dry cleaner unit (January 19, 2017).

Highland Plaza, Milwaukee, Wisconsin
Dry Cleaner Unit Photos
SCS Engineers Project #25217027.01

Photo 3: Looking west at dry cleaning machines inside dry cleaner unit (January 19, 2017).

Photo 4: Looking south from north end of dry cleaner unit at back side of dry cleaning machines (June 1, 2017). Monitoring well MW-2 is visible in floor in front of the dry cleaning machines.

Highland Plaza, Milwaukee, Wisconsin
Dry Cleaner Unit Photos
SCS Engineers Project #25217027.01

Photo 5: Looking northwest inside north end of dry cleaner unit during installation of boring GB-5 (June 1, 2017). Boring GB-4 is visible in the floor in front of the utility room doorway. Monitoring well MW-3 (prior to surface sealing) is visible in the floor on the left side of the photo.

Photo 6: Looking northeast at monitoring well MW-3 installation from alleyway behind dry cleaner unit (June 1, 2017).

Highland Plaza, Milwaukee, Wisconsin
Dry Cleaner Unit Photos
SCS Engineers Project #25217027.01

Photo 7: Looking southeast from alleyway behind dry cleaner unit at monitoring well MW-3 (June 1, 2017). The monitoring well MW-4 location is visible in the background adjacent to the building and traffic cone.

APPENDIX D

Soil and Groundwater Laboratory Analytical Reports

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-129010-1
Client Project/Site: Highland Plaza - 25217027

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Robert Langdon

Authorized for release by:
6/9/2017 2:25:51 PM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Job ID: 500-129010-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-129010-1

Comments
No additional comments.

Receipt
The samples were received on 6/2/2017 9:55 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.9º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for the soil preparation batch 388594 recovered outside control limits for 12 analytes. These analytes were biased high in the preparation batch LCS, but were within limits in the analytical batch LCS; therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: MW-2 (0-1) — Lab Sample ID: 500-129010-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	4500		62	23	ug/Kg	50	☼	8260B	Total/NA
Trichloroethene	160		31	10	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: MW-2 (3-4) — Lab Sample ID: 500-129010-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	210		68	25	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: MW-2 (4-6) — Lab Sample ID: 500-129010-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	3800		72	27	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: MW-3 (4-5) — Lab Sample ID: 500-129010-4

No Detections.

Client Sample ID: MW-3 (10-12.5) — Lab Sample ID: 500-129010-5

No Detections.

Client Sample ID: GB-4 (0-1.5) — Lab Sample ID: 500-129010-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	81		69	26	ug/Kg	50	☼	8260B	Total/NA

Client Sample ID: GB-4 (3-4) — Lab Sample ID: 500-129010-7

No Detections.

Client Sample ID: GB-4 (4-6) — Lab Sample ID: 500-129010-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	54		36	12	ug/Kg	50	☼	8260B	Total/NA
Tetrachloroethene - DL	31000		710	260	ug/Kg	500	☼	8260B	Total/NA

Client Sample ID: GB-5 (0-1) — Lab Sample ID: 500-129010-9

No Detections.

Client Sample ID: GB-5 (2-3) — Lab Sample ID: 500-129010-10

No Detections.

Client Sample ID: GB-5 (4-6) — Lab Sample ID: 500-129010-11

No Detections.

Client Sample ID: GB-6 (0-1) — Lab Sample ID: 500-129010-12

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Chicago

Detection Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: GB-6 (2-3) — Lab Sample ID: 500-129010-13

No Detections.

Client Sample ID: GB-6 (8-10) — Lab Sample ID: 500-129010-14

No Detections.

Client Sample ID: MW-4 (3.5-5) — Lab Sample ID: 500-129010-15

No Detections.

Client Sample ID: MW-4 (5-7.5) — Lab Sample ID: 500-129010-16

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI
Moisture	Percent Moisture	EPA	TAL CHI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-129010-1	MW-2 (0-1)	Solid	06/01/17 08:45	06/02/17 09:55
500-129010-2	MW-2 (3-4)	Solid	06/01/17 09:15	06/02/17 09:55
500-129010-3	MW-2 (4-6)	Solid	06/01/17 09:20	06/02/17 09:55
500-129010-4	MW-3 (4-5)	Solid	06/01/17 10:30	06/02/17 09:55
500-129010-5	MW-3 (10-12.5)	Solid	06/01/17 10:35	06/02/17 09:55
500-129010-6	GB-4 (0-1.5)	Solid	06/01/17 10:40	06/02/17 09:55
500-129010-7	GB-4 (3-4)	Solid	06/01/17 10:45	06/02/17 09:55
500-129010-8	GB-4 (4-6)	Solid	06/01/17 10:50	06/02/17 09:55
500-129010-9	GB-5 (0-1)	Solid	06/01/17 11:15	06/02/17 09:55
500-129010-10	GB-5 (2-3)	Solid	06/01/17 11:30	06/02/17 09:55
500-129010-11	GB-5 (4-6)	Solid	06/01/17 11:35	06/02/17 09:55
500-129010-12	GB-6 (0-1)	Solid	06/01/17 12:40	06/02/17 09:55
500-129010-13	GB-6 (2-3)	Solid	06/01/17 13:00	06/02/17 09:55
500-129010-14	GB-6 (8-10)	Solid	06/01/17 13:05	06/02/17 09:55
500-129010-15	MW-4 (3.5-5)	Solid	06/01/17 14:00	06/02/17 09:55
500-129010-16	MW-4 (5-7.5)	Solid	06/01/17 14:05	06/02/17 09:55

Client Sample ID: MW-2 (0-1)

Date Collected: 06/01/17 08:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-1

Matrix: Solid
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.1		16	9.1	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Bromobenzene	<22	*	62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Bromochloromethane	<27		62	27	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Bromodichloromethane	<23		62	23	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Bromoform	<30		62	30	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Bromomethane	<49		120	49	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Carbon tetrachloride	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Chlorobenzene	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Chloroethane	<31		62	31	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Chloroform	<23		120	23	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Chloromethane	<20		62	20	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
2-Chlorotoluene	<20	*	62	20	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
4-Chlorotoluene	<22	*	62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
cis-1,2-Dichloroethene	<25		62	25	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
cis-1,3-Dichloropropene	<26		62	26	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Dibromochloromethane	<30		62	30	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2-Dibromo-3-Chloropropane	<120		310	120	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2-Dibromoethane	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Dibromomethane	<17		62	17	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2-Dichlorobenzene	<21		62	21	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,3-Dichlorobenzene	<25		62	25	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,4-Dichlorobenzene	<23		62	23	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Dichlorodifluoromethane	<42		120	42	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1-Dichloroethane	<25		62	25	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2-Dichloroethane	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1-Dichloroethene	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2-Dichloropropane	<27		62	27	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,3-Dichloropropane	<22		62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
2,2-Dichloropropane	<28	*	62	28	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1-Dichloropropene	<19		62	19	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Ethylbenzene	<11		16	11	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Hexachlorobutadiene	<28		62	28	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Isopropylbenzene	<24	*	62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Isopropyl ether	<17		62	17	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Methylene Chloride	<100		310	100	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Methyl tert-butyl ether	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Naphthalene	<21		62	21	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
n-Butylbenzene	<24	*	62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
N-Propylbenzene	<26	*	62	26	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
p-Isopropyltoluene	<22	*	62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
sec-Butylbenzene	<25		62	25	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Styrene	<24		62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
tert-Butylbenzene	<25	*	62	25	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1,1,2-Tetrachloroethane	<29		62	29	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1,2,2-Tetrachloroethane	<25		62	25	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Tetrachloroethene	**4500**		62	23	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Toluene	<9.1		16	9.1	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
trans-1,2-Dichloroethene	<22		62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
trans-1,3-Dichloropropene	<22		62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50

Client Sample ID: MW-2 (0-1)

Date Collected: 06/01/17 08:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-1
Matrix: Solid
Percent Solids: 89.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<28		62	28	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2,4-Trichlorobenzene	<21		62	21	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1,1-Trichloroethane	<24	*	62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,1,2-Trichloroethane	<22		62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Trichloroethene	**160**		31	10	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Trichlorofluoromethane	<27		62	27	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2,3-Trichloropropane	<26		62	26	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,2,4-Trimethylbenzene	<22	*	62	22	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
1,3,5-Trimethylbenzene	<24	*	62	24	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Vinyl chloride	<16		31	16	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50
Xylenes, Total	<14		31	14	ug/Kg	☼	06/01/17 08:45	06/08/17 12:54	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*	*06/01/17 08:45*	*06/08/17 12:54*	*50*
Dibromofluoromethane	*94*		*75 - 120*	*06/01/17 08:45*	*06/08/17 12:54*	*50*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*	*06/01/17 08:45*	*06/08/17 12:54*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*06/01/17 08:45*	*06/08/17 12:54*	*50*

Client Sample ID: MW-2 (3-4)

Date Collected: 06/01/17 09:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-2
Matrix: Solid
Percent Solids: 85.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.9		17	9.9	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Bromobenzene	<24	*	68	24	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Bromochloromethane	<29		68	29	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Bromodichloromethane	<25		68	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Bromoform	<33		68	33	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Bromomethane	<54		140	54	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Carbon tetrachloride	<26		68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Chlorobenzene	<26		68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Chloroethane	<34		68	34	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Chloroform	<25		140	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Chloromethane	<22		68	22	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
2-Chlorotoluene	<21	*	68	21	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
4-Chlorotoluene	<24	*	68	24	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
cis-1,2-Dichloroethene	<28		68	28	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
cis-1,3-Dichloropropene	<28		68	28	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Dibromochloromethane	<33		68	33	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2-Dibromo-3-Chloropropane	<130		340	130	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2-Dibromoethane	<26		68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Dibromomethane	<18		68	18	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2-Dichlorobenzene	<23		68	23	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,3-Dichlorobenzene	<27		68	27	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,4-Dichlorobenzene	<25		68	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Dichlorodifluoromethane	<46		140	46	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1-Dichloroethane	<28		68	28	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2-Dichloroethane	<27		68	27	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1-Dichloroethene	<26		68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50

Client Sample ID: MW-2 (3-4)

Date Collected: 06/01/17 09:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-2

Matrix: Solid
Percent Solids: 85.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<29		68	29	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,3-Dichloropropane	<25		68	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
2,2-Dichloropropane	<30	*	68	30	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1-Dichloropropene	<20		68	20	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Ethylbenzene	<12		17	12	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Hexachlorobutadiene	<30		68	30	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Isopropylbenzene	<26	*	68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Isopropyl ether	<19		68	19	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Methylene Chloride	<110		340	110	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Methyl tert-butyl ether	<27		68	27	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Naphthalene	<23		68	23	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
n-Butylbenzene	<26	*	68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
N-Propylbenzene	<28	*	68	28	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
p-Isopropyltoluene	<25	*	68	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
sec-Butylbenzene	<27		68	27	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Styrene	<26		68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
tert-Butylbenzene	<27	*	68	27	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1,1,2-Tetrachloroethane	<31		68	31	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1,2,2-Tetrachloroethane	<27		68	27	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Tetrachloroethene	**210**		68	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Toluene	<10		17	10	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
trans-1,2-Dichloroethene	<24		68	24	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
trans-1,3-Dichloropropene	<25		68	25	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2,3-Trichlorobenzene	<31		68	31	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2,4-Trichlorobenzene	<23		68	23	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1,1-Trichloroethane	<26	*	68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,1,2-Trichloroethane	<24		68	24	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Trichloroethene	<11		34	11	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Trichlorofluoromethane	<29		68	29	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2,3-Trichloropropane	<28		68	28	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,2,4-Trimethylbenzene	<24	*	68	24	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
1,3,5-Trimethylbenzene	<26	*	68	26	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Vinyl chloride	<18		34	18	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50
Xylenes, Total	<15		34	15	ug/Kg	☼	06/01/17 09:15	06/08/17 13:20	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*	*06/01/17 09:15*	*06/08/17 13:20*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*06/01/17 09:15*	*06/08/17 13:20*	*50*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*	*06/01/17 09:15*	*06/08/17 13:20*	*50*
Toluene-d8 (Surr)	*93*		*75 - 120*	*06/01/17 09:15*	*06/08/17 13:20*	*50*

Client Sample ID: MW-2 (4-6)

Date Collected: 06/01/17 09:20
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-3

Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Bromobenzene	<26	*	72	26	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Bromochloromethane	<31		72	31	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50

Client Sample ID: MW-2 (4-6)
Date Collected: 06/01/17 09:20
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-3
Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<27		72	27	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Bromoform	<35		72	35	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Bromomethane	<57		140	57	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Carbon tetrachloride	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Chlorobenzene	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Chloroethane	<36		72	36	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Chloroform	<27		140	27	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Chloromethane	<23		72	23	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
2-Chlorotoluene	<23	*	72	23	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
4-Chlorotoluene	<25	*	72	25	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
cis-1,2-Dichloroethene	<29		72	29	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
cis-1,3-Dichloropropene	<30		72	30	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Dibromochloromethane	<35		72	35	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2-Dibromoethane	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Dibromomethane	<19		72	19	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2-Dichlorobenzene	<24		72	24	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,3-Dichlorobenzene	<29		72	29	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,4-Dichlorobenzene	<26		72	26	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Dichlorodifluoromethane	<49		140	49	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,1-Dichloroethane	<30		72	30	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2-Dichloroethane	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,1-Dichloroethene	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2-Dichloropropane	<31		72	31	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,3-Dichloropropane	<26		72	26	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
2,2-Dichloropropane	<32	*	72	32	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,1-Dichloropropene	<22		72	22	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Hexachlorobutadiene	<32		72	32	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Isopropylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Isopropyl ether	<20		72	20	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Methylene Chloride	<120		360	120	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Methyl tert-butyl ether	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Naphthalene	<24		72	24	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
n-Butylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
N-Propylbenzene	<30	*	72	30	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
p-Isopropyltoluene	<26	*	72	26	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
sec-Butylbenzene	<29		72	29	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Styrene	<28		72	28	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
tert-Butylbenzene	<29	*	72	29	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,1,1,2-Tetrachloroethane	<33		72	33	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,1,2,2-Tetrachloroethane	<29		72	29	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Tetrachloroethene	**3800**		72	27	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Toluene	<11		18	11	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
trans-1,2-Dichloroethene	<25		72	25	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
trans-1,3-Dichloropropene	<26		72	26	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2,3-Trichlorobenzene	<33		72	33	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2,4-Trichlorobenzene	<25		72	25	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,1,1-Trichloroethane	<27	*	72	27	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50

Client Sample ID: MW-2 (4-6)

Date Collected: 06/01/17 09:20
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-3

Matrix: Solid
Percent Solids: 82.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<25		72	25	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Trichloroethene	<12		36	12	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Trichlorofluoromethane	<31		72	31	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2,3-Trichloropropane	<30		72	30	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,2,4-Trimethylbenzene	<26	*	72	26	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
1,3,5-Trimethylbenzene	<27	*	72	27	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Vinyl chloride	<19		36	19	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50
Xylenes, Total	<16		36	16	ug/Kg	☼	06/01/17 09:20	06/08/17 13:47	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*	*06/01/17 09:20*	*06/08/17 13:47*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*06/01/17 09:20*	*06/08/17 13:47*	*50*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*	*06/01/17 09:20*	*06/08/17 13:47*	*50*
Toluene-d8 (Surr)	*103*		*75 - 120*	*06/01/17 09:20*	*06/08/17 13:47*	*50*

Client Sample ID: MW-3 (4-5)

Date Collected: 06/01/17 10:30
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-4

Matrix: Solid
Percent Solids: 82.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Bromobenzene	<25	*	71	25	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Bromochloromethane	<30		71	30	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Bromodichloromethane	<26		71	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Bromoform	<34		71	34	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Bromomethane	<56		140	56	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Carbon tetrachloride	<27		71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Chlorobenzene	<27		71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Chloroethane	<36		71	36	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Chloroform	<26		140	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Chloromethane	<23		71	23	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
2-Chlorotoluene	<22	*	71	22	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
4-Chlorotoluene	<25	*	71	25	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
cis-1,3-Dichloropropene	<29		71	29	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Dibromochloromethane	<34		71	34	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Dibromomethane	<19		71	19	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Dichlorodifluoromethane	<48		140	48	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
2,2-Dichloropropane	<31	*	71	31	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50

Client Sample ID: MW-3 (4-5) — **Lab Sample ID: 500-129010-4**
Date Collected: 06/01/17 10:30 — **Matrix: Solid**
Date Received: 06/02/17 09:55 — **Percent Solids: 82.6**

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Isopropylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Isopropyl ether	<19		71	19	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Methylene Chloride	<120		350	120	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Naphthalene	<24		71	24	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
n-Butylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
N-Propylbenzene	<29	*	71	29	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
p-Isopropyltoluene	<26	*	71	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
sec-Butylbenzene	<28		71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Styrene	<27		71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
tert-Butylbenzene	<28	*	71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Toluene	<10		18	10	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2,3-Trichlorobenzene	<32		71	32	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,1,1-Trichloroethane	<27	*	71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Trichloroethene	<12		35	12	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2,3-Trichloropropane	<29		71	29	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,2,4-Trimethylbenzene	<25	*	71	25	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
1,3,5-Trimethylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Vinyl chloride	<19		35	19	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50
Xylenes, Total	<16		35	16	ug/Kg	☼	06/01/17 10:30	06/08/17 14:13	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*	*06/01/17 10:30*	*06/08/17 14:13*	*50*
Dibromofluoromethane	*89*		*75 - 120*	*06/01/17 10:30*	*06/08/17 14:13*	*50*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*	*06/01/17 10:30*	*06/08/17 14:13*	*50*
Toluene-d8 (Surr)	*109*		*75 - 120*	*06/01/17 10:30*	*06/08/17 14:13*	*50*

Client Sample ID: MW-3 (10-12.5) — **Lab Sample ID: 500-129010-5**
Date Collected: 06/01/17 10:35 — **Matrix: Solid**
Date Received: 06/02/17 09:55 — **Percent Solids: 81.2**

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Bromobenzene	<26	*	72	26	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Bromochloromethane	<31		72	31	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Bromodichloromethane	<27		72	27	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Bromoform	<35		72	35	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Bromomethane	<58		140	58	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50

Client Sample ID: MW-3 (10-12.5)
Date Collected: 06/01/17 10:35
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-5
Matrix: Solid
Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Chlorobenzene	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Chloroethane	<36		72	36	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Chloroform	<27		140	27	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Chloromethane	<23		72	23	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
2-Chlorotoluene	<23	*	72	23	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
4-Chlorotoluene	<25	*	72	25	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
cis-1,2-Dichloroethene	<30		72	30	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
cis-1,3-Dichloropropene	<30		72	30	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Dibromochloromethane	<35		72	35	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2-Dibromoethane	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Dibromomethane	<20		72	20	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2-Dichlorobenzene	<24		72	24	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,3-Dichlorobenzene	<29		72	29	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,4-Dichlorobenzene	<26		72	26	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Dichlorodifluoromethane	<49		140	49	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1-Dichloroethane	<30		72	30	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2-Dichloroethane	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1-Dichloroethene	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2-Dichloropropane	<31		72	31	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,3-Dichloropropane	<26		72	26	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
2,2-Dichloropropane	<32	*	72	32	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1-Dichloropropene	<22		72	22	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Hexachlorobutadiene	<32		72	32	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Isopropylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Isopropyl ether	<20		72	20	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Methylene Chloride	<120		360	120	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Methyl tert-butyl ether	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Naphthalene	<24		72	24	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
n-Butylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
N-Propylbenzene	<30	*	72	30	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
p-Isopropyltoluene	<26	*	72	26	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
sec-Butylbenzene	<29		72	29	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Styrene	<28		72	28	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
tert-Butylbenzene	<29	*	72	29	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1,1,2-Tetrachloroethane	<33		72	33	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1,2,2-Tetrachloroethane	<29		72	29	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Tetrachloroethene	<27		72	27	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Toluene	<11		18	11	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
trans-1,2-Dichloroethene	<25		72	25	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
trans-1,3-Dichloropropene	<26		72	26	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2,3-Trichlorobenzene	<33		72	33	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2,4-Trichlorobenzene	<25		72	25	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1,1-Trichloroethane	<27	*	72	27	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,1,2-Trichloroethane	<25		72	25	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Trichloroethene	<12		36	12	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Trichlorofluoromethane	<31		72	31	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50

Client Sample ID: MW-3 (10-12.5)

Lab Sample ID: 500-129010-5
Date Collected: 06/01/17 10:35
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 81.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<30		72	30	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,2,4-Trimethylbenzene	<26	*	72	26	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
1,3,5-Trimethylbenzene	<27	*	72	27	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Vinyl chloride	<19		36	19	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50
Xylenes, Total	<16		36	16	ug/Kg	☼	06/01/17 10:35	06/08/17 14:39	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*	*06/01/17 10:35*	*06/08/17 14:39*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*06/01/17 10:35*	*06/08/17 14:39*	*50*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*	*06/01/17 10:35*	*06/08/17 14:39*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/01/17 10:35*	*06/08/17 14:39*	*50*

Client Sample ID: GB-4 (0-1.5)

Lab Sample ID: 500-129010-6
Date Collected: 06/01/17 10:40
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		17	10	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Bromobenzene	<25	*	69	25	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Bromochloromethane	<30		69	30	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Bromodichloromethane	<26		69	26	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Bromoform	<33		69	33	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Bromomethane	<55		140	55	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Carbon tetrachloride	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Chlorobenzene	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Chloroethane	<35		69	35	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Chloroform	<26		140	26	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Chloromethane	<22		69	22	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
2-Chlorotoluene	<22	*	69	22	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
4-Chlorotoluene	<24	*	69	24	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
cis-1,2-Dichloroethene	<28		69	28	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
cis-1,3-Dichloropropene	<29		69	29	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Dibromochloromethane	<34		69	34	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2-Dibromoethane	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Dibromomethane	<19		69	19	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2-Dichlorobenzene	<23		69	23	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,3-Dichlorobenzene	<28		69	28	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,4-Dichlorobenzene	<25		69	25	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Dichlorodifluoromethane	<47		140	47	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1-Dichloroethane	<28		69	28	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2-Dichloroethane	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1-Dichloroethene	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2-Dichloropropane	<30		69	30	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,3-Dichloropropane	<25		69	25	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
2,2-Dichloropropane	<31	*	69	31	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1-Dichloropropene	<21		69	21	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Ethylbenzene	<13		17	13	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Hexachlorobutadiene	<31		69	31	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50

Client Sample ID: GB-4 (0-1.5)

Lab Sample ID: 500-129010-6
Date Collected: 06/01/17 10:40
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 84.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<27	*	69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Isopropyl ether	<19		69	19	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Methylene Chloride	<110		350	110	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Methyl tert-butyl ether	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Naphthalene	<23		69	23	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
n-Butylbenzene	<27	*	69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
N-Propylbenzene	<29	*	69	29	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
p-Isopropyltoluene	<25	*	69	25	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
sec-Butylbenzene	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Styrene	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
tert-Butylbenzene	<27	*	69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1,1,2-Tetrachloroethane	<32		69	32	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1,2,2-Tetrachloroethane	<27		69	27	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Tetrachloroethene	**81**		69	26	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Toluene	<10		17	10	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
trans-1,2-Dichloroethene	<24		69	24	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
trans-1,3-Dichloropropene	<25		69	25	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2,3-Trichlorobenzene	<32		69	32	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2,4-Trichlorobenzene	<24		69	24	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1,1-Trichloroethane	<26	*	69	26	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,1,2-Trichloroethane	<24		69	24	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Trichloroethene	<11		35	11	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Trichlorofluoromethane	<30		69	30	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2,3-Trichloropropane	<29		69	29	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,2,4-Trimethylbenzene	<25	*	69	25	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
1,3,5-Trimethylbenzene	<26	*	69	26	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Vinyl chloride	<18		35	18	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50
Xylenes, Total	<15		35	15	ug/Kg	☼	06/01/17 10:40	06/08/17 15:05	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*	*06/01/17 10:40*	*06/08/17 15:05*	*50*
Dibromofluoromethane	*93*		*75 - 120*	*06/01/17 10:40*	*06/08/17 15:05*	*50*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*	*06/01/17 10:40*	*06/08/17 15:05*	*50*
Toluene-d8 (Surr)	*106*		*75 - 120*	*06/01/17 10:40*	*06/08/17 15:05*	*50*

Client Sample ID: GB-4 (3-4)

Lab Sample ID: 500-129010-7
Date Collected: 06/01/17 10:45
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.7		17	9.7	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Bromobenzene	<24	*	67	24	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Bromochloromethane	<29		67	29	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Bromodichloromethane	<25		67	25	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Bromoform	<32		67	32	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Bromomethane	<53		130	53	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Carbon tetrachloride	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Chlorobenzene	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Chloroethane	<34		67	34	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50

Client Sample ID: GB-4 (3-4)
Date Collected: 06/01/17 10:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-7
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<25		130	25	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Chloromethane	<21		67	21	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
2-Chlorotoluene	<21	*	67	21	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
4-Chlorotoluene	<23	*	67	23	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
cis-1,2-Dichloroethene	<27		67	27	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
cis-1,3-Dichloropropene	<28		67	28	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Dibromochloromethane	<33		67	33	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2-Dibromo-3-Chloropropane	<130		330	130	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2-Dibromoethane	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Dibromomethane	<18		67	18	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2-Dichlorobenzene	<22		67	22	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,3-Dichlorobenzene	<27		67	27	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,4-Dichlorobenzene	<24		67	24	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Dichlorodifluoromethane	<45		130	45	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1-Dichloroethane	<27		67	27	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2-Dichloroethane	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1-Dichloroethene	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2-Dichloropropane	<29		67	29	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,3-Dichloropropane	<24		67	24	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
2,2-Dichloropropane	<30	*	67	30	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1-Dichloropropene	<20		67	20	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Ethylbenzene	<12		17	12	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Hexachlorobutadiene	<30		67	30	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Isopropylbenzene	<26	*	67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Isopropyl ether	<18		67	18	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Methylene Chloride	<110		330	110	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Methyl tert-butyl ether	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Naphthalene	<22		67	22	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
n-Butylbenzene	<26	*	67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
N-Propylbenzene	<28	*	67	28	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
p-Isopropyltoluene	<24	*	67	24	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
sec-Butylbenzene	<27		67	27	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Styrene	<26		67	26	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
tert-Butylbenzene	<27	*	67	27	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1,1,2-Tetrachloroethane	<31		67	31	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1,2,2-Tetrachloroethane	<27		67	27	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Tetrachloroethene	<25		67	25	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Toluene	<9.8		17	9.8	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
trans-1,2-Dichloroethene	<23		67	23	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
trans-1,3-Dichloropropene	<24		67	24	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2,3-Trichlorobenzene	<31		67	31	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2,4-Trichlorobenzene	<23		67	23	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1,1-Trichloroethane	<25	*	67	25	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,1,2-Trichloroethane	<23		67	23	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Trichloroethene	<11		33	11	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Trichlorofluoromethane	<29		67	29	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2,3-Trichloropropane	<28		67	28	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,2,4-Trimethylbenzene	<24	*	67	24	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
1,3,5-Trimethylbenzene	<25	*	67	25	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50

Client Sample ID: GB-4 (3-4)

Lab Sample ID: 500-129010-7
Date Collected: 06/01/17 10:45
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 85.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<17		33	17	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50
Xylenes, Total	<15		33	15	ug/Kg	☼	06/01/17 10:45	06/08/17 15:31	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*	*06/01/17 10:45*	*06/08/17 15:31*	*50*
Dibromofluoromethane	*89*		*75 - 120*	*06/01/17 10:45*	*06/08/17 15:31*	*50*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*	*06/01/17 10:45*	*06/08/17 15:31*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*06/01/17 10:45*	*06/08/17 15:31*	*50*

Client Sample ID: GB-4 (4-6)

Lab Sample ID: 500-129010-8
Date Collected: 06/01/17 10:50
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Bromobenzene	<25	*	71	25	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Bromochloromethane	<30		71	30	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Bromodichloromethane	<26		71	26	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Bromoform	<34		71	34	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Bromomethane	<57		140	57	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Carbon tetrachloride	<27		71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Chlorobenzene	<27		71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Chloroethane	<36		71	36	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Chloroform	<26		140	26	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Chloromethane	<23		71	23	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
2-Chlorotoluene	<22	*	71	22	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
4-Chlorotoluene	<25	*	71	25	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
cis-1,3-Dichloropropene	<30		71	30	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Dibromochloromethane	<35		71	35	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Dibromomethane	<19		71	19	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Dichlorodifluoromethane	<48		140	48	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
2,2-Dichloropropane	<32	*	71	32	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Isopropylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Isopropyl ether	<20		71	20	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Methylene Chloride	<120		360	120	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50

Client Sample ID: GB-4 (4-6)

Date Collected: 06/01/17 10:50
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-8

Matrix: Solid
Percent Solids: 82.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Naphthalene	<24		71	24	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
n-Butylbenzene	<28	*	71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
N-Propylbenzene	<29	*	71	29	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
p-Isopropyltoluene	<26	*	71	26	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
sec-Butylbenzene	<28		71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Styrene	<27		71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
tert-Butylbenzene	<28	*	71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Toluene	<10		18	10	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2,3-Trichlorobenzene	<33		71	33	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1,1-Trichloroethane	<27	*	71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Trichloroethene	**54**		36	12	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2,3-Trichloropropane	<29		71	29	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,2,4-Trimethylbenzene	<25	*	71	25	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
1,3,5-Trimethylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Vinyl chloride	<19		36	19	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50
Xylenes, Total	<16		36	16	ug/Kg	☼	06/01/17 10:50	06/08/17 15:57	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*	*06/01/17 10:50*	*06/08/17 15:57*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*06/01/17 10:50*	*06/08/17 15:57*	*50*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*	*06/01/17 10:50*	*06/08/17 15:57*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*06/01/17 10:50*	*06/08/17 15:57*	*50*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**31000**		710	260	ug/Kg	☼	06/01/17 10:50	06/09/17 10:48	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*72 - 124*	*06/01/17 10:50*	*06/09/17 10:48*	*500*
Dibromofluoromethane	*91*		*75 - 120*	*06/01/17 10:50*	*06/09/17 10:48*	*500*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 126*	*06/01/17 10:50*	*06/09/17 10:48*	*500*
Toluene-d8 (Surr)	*103*		*75 - 120*	*06/01/17 10:50*	*06/09/17 10:48*	*500*

Client Sample ID: GB-5 (0-1)

Date Collected: 06/01/17 11:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-9

Matrix: Solid
Percent Solids: 84.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.8		17	9.8	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Bromobenzene	<24	*	67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Bromochloromethane	<29		67	29	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50

Client Sample ID: GB-5 (0-1)
Date Collected: 06/01/17 11:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-9
Matrix: Solid
Percent Solids: 84.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<25		67	25	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Bromoform	<32		67	32	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Bromomethane	<53		130	53	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Carbon tetrachloride	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Chlorobenzene	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Chloroethane	<34		67	34	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Chloroform	<25		130	25	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Chloromethane	<21		67	21	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
2-Chlorotoluene	<21	*	67	21	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
4-Chlorotoluene	<23	*	67	23	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
cis-1,2-Dichloroethene	<27		67	27	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
cis-1,3-Dichloropropene	<28		67	28	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Dibromochloromethane	<33		67	33	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2-Dibromo-3-Chloropropane	<130		340	130	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2-Dibromoethane	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Dibromomethane	<18		67	18	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2-Dichlorobenzene	<22		67	22	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,3-Dichlorobenzene	<27		67	27	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,4-Dichlorobenzene	<24		67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Dichlorodifluoromethane	<45		130	45	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,1-Dichloroethane	<28		67	28	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2-Dichloroethane	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,1-Dichloroethene	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2-Dichloropropane	<29		67	29	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,3-Dichloropropane	<24		67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
2,2-Dichloropropane	<30	*	67	30	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,1-Dichloropropene	<20		67	20	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Ethylbenzene	<12		17	12	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Hexachlorobutadiene	<30		67	30	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Isopropylbenzene	<26	*	67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Isopropyl ether	<19		67	19	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Methylene Chloride	<110		340	110	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Methyl tert-butyl ether	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Naphthalene	<22		67	22	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
n-Butylbenzene	<26	*	67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
N-Propylbenzene	<28	*	67	28	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
p-Isopropyltoluene	<24	*	67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
sec-Butylbenzene	<27		67	27	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Styrene	<26		67	26	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
tert-Butylbenzene	<27	*	67	27	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,1,1,2-Tetrachloroethane	<31		67	31	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,1,2,2-Tetrachloroethane	<27		67	27	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Tetrachloroethene	<25		67	25	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Toluene	<9.9		17	9.9	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
trans-1,2-Dichloroethene	<23		67	23	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
trans-1,3-Dichloropropene	<24		67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2,3-Trichlorobenzene	<31		67	31	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2,4-Trichlorobenzene	<23		67	23	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,1,1-Trichloroethane	<25	*	67	25	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50

Client Sample ID: GB-5 (0-1)

Date Collected: 06/01/17 11:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-9
Matrix: Solid
Percent Solids: 84.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<24		67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Trichloroethene	<11		34	11	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Trichlorofluoromethane	<29		67	29	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2,3-Trichloropropane	<28		67	28	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,2,4-Trimethylbenzene	<24	*	67	24	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
1,3,5-Trimethylbenzene	<25	*	67	25	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Vinyl chloride	<18		34	18	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50
Xylenes, Total	<15		34	15	ug/Kg	☼	06/01/17 11:15	06/08/17 16:24	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*72 - 124*	*06/01/17 11:15*	*06/08/17 16:24*	*50*
Dibromofluoromethane	*94*		*75 - 120*	*06/01/17 11:15*	*06/08/17 16:24*	*50*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*	*06/01/17 11:15*	*06/08/17 16:24*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/01/17 11:15*	*06/08/17 16:24*	*50*

Client Sample ID: GB-5 (2-3)

Date Collected: 06/01/17 11:30
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-10
Matrix: Solid
Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Bromobenzene	<25	*	71	25	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Bromochloromethane	<30		71	30	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Bromodichloromethane	<26		71	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Bromoform	<34		71	34	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Bromomethane	<56		140	56	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Carbon tetrachloride	<27		71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Chlorobenzene	<27		71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Chloroethane	<36		71	36	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Chloroform	<26		140	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Chloromethane	<23		71	23	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
2-Chlorotoluene	<22	*	71	22	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
4-Chlorotoluene	<25	*	71	25	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
cis-1,3-Dichloropropene	<29		71	29	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Dibromochloromethane	<35		71	35	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Dibromomethane	<19		71	19	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Dichlorodifluoromethane	<48		140	48	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
2,2-Dichloropropane	<31	*	71	31	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50

Client Sample ID: GB-5 (2-3)

Date Collected: 06/01/17 11:30
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-10

Matrix: Solid
Percent Solids: 82.8

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Isopropylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Isopropyl ether	<20		71	20	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Methylene Chloride	<120		350	120	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Naphthalene	<24		71	24	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
n-Butylbenzene	<28	*	71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
N-Propylbenzene	<29	*	71	29	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
p-Isopropyltoluene	<26	*	71	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
sec-Butylbenzene	<28		71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Styrene	<27		71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
tert-Butylbenzene	<28	*	71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Toluene	<10		18	10	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2,3-Trichlorobenzene	<32		71	32	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,1,1-Trichloroethane	<27	*	71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Trichloroethene	<12		35	12	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2,3-Trichloropropane	<29		71	29	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,2,4-Trimethylbenzene	<25	*	71	25	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
1,3,5-Trimethylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Vinyl chloride	<19		35	19	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50
Xylenes, Total	<16		35	16	ug/Kg	☼	06/01/17 11:30	06/08/17 16:50	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*72 - 124*	*06/01/17 11:30*	*06/08/17 16:50*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*06/01/17 11:30*	*06/08/17 16:50*	*50*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 126*	*06/01/17 11:30*	*06/08/17 16:50*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*06/01/17 11:30*	*06/08/17 16:50*	*50*

Client Sample ID: GB-5 (4-6)

Date Collected: 06/01/17 11:35
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-11

Matrix: Solid
Percent Solids: 82.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Bromobenzene	<26	*	72	26	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Bromochloromethane	<31		72	31	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Bromodichloromethane	<27		72	27	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Bromoform	<35		72	35	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Bromomethane	<58		140	58	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50

Client Sample ID: GB-5 (4-6)
Date Collected: 06/01/17 11:35
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-11
Matrix: Solid
Percent Solids: 82.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	<28		72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Chlorobenzene	<28		72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Chloroethane	<37		72	37	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Chloroform	<27		140	27	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Chloromethane	<23		72	23	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
2-Chlorotoluene	<23	*	72	23	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
4-Chlorotoluene	<25	*	72	25	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
cis-1,2-Dichloroethene	<30		72	30	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
cis-1,3-Dichloropropene	<30		72	30	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Dibromochloromethane	<35		72	35	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2-Dibromo-3-Chloropropane	<140		360	140	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2-Dibromoethane	<28		72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Dibromomethane	<20		72	20	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2-Dichlorobenzene	<24		72	24	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,3-Dichlorobenzene	<29		72	29	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,4-Dichlorobenzene	<26		72	26	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Dichlorodifluoromethane	<49		140	49	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1-Dichloroethane	<30		72	30	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2-Dichloroethane	<28		72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1-Dichloroethene	<28		72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2-Dichloropropane	<31		72	31	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,3-Dichloropropane	<26		72	26	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
2,2-Dichloropropane	<32	*	72	32	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1-Dichloropropene	<22		72	22	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Hexachlorobutadiene	<32		72	32	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Isopropylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Isopropyl ether	<20		72	20	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Methylene Chloride	<120		360	120	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Methyl tert-butyl ether	<29		72	29	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Naphthalene	<24		72	24	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
n-Butylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
N-Propylbenzene	<30	*	72	30	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
p-Isopropyltoluene	<26	*	72	26	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
sec-Butylbenzene	<29		72	29	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Styrene	<28		72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
tert-Butylbenzene	<29	*	72	29	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1,1,2-Tetrachloroethane	<33		72	33	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1,2,2-Tetrachloroethane	<29		72	29	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Tetrachloroethene	<27		72	27	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Toluene	<11		18	11	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
trans-1,2-Dichloroethene	<25		72	25	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
trans-1,3-Dichloropropene	<26		72	26	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2,3-Trichlorobenzene	<33		72	33	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2,4-Trichlorobenzene	<25		72	25	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1,1-Trichloroethane	<28	*	72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,1,2-Trichloroethane	<25		72	25	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Trichloroethene	<12		36	12	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Trichlorofluoromethane	<31		72	31	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50

Client Sample ID: GB-5 (4-6)

Lab Sample ID: 500-129010-11
Date Collected: 06/01/17 11:35
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 82.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	<30		72	30	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,2,4-Trimethylbenzene	<26	*	72	26	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
1,3,5-Trimethylbenzene	<28	*	72	28	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Vinyl chloride	<19		36	19	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50
Xylenes, Total	<16		36	16	ug/Kg	☼	06/01/17 11:35	06/08/17 17:16	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*	*06/01/17 11:35*	*06/08/17 17:16*	*50*
Dibromofluoromethane	*94*		*75 - 120*	*06/01/17 11:35*	*06/08/17 17:16*	*50*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*	*06/01/17 11:35*	*06/08/17 17:16*	*50*
Toluene-d8 (Surr)	*108*		*75 - 120*	*06/01/17 11:35*	*06/08/17 17:16*	*50*

Client Sample ID: GB-6 (0-1)

Lab Sample ID: 500-129010-12
Date Collected: 06/01/17 12:40
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 90.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<9.0		15	9.0	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Bromobenzene	<22	*	61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Bromochloromethane	<26		61	26	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Bromodichloromethane	<23		61	23	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Bromoform	<30		61	30	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Bromomethane	<49		120	49	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Carbon tetrachloride	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Chlorobenzene	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Chloroethane	<31		61	31	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Chloroform	<23		120	23	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Chloromethane	<20		61	20	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
2-Chlorotoluene	<19	*	61	19	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
4-Chlorotoluene	<22	*	61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
cis-1,2-Dichloroethene	<25		61	25	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
cis-1,3-Dichloropropene	<26		61	26	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Dibromochloromethane	<30		61	30	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2-Dibromo-3-Chloropropane	<120		310	120	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2-Dibromoethane	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Dibromomethane	<17		61	17	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2-Dichlorobenzene	<21		61	21	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,3-Dichlorobenzene	<25		61	25	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,4-Dichlorobenzene	<22		61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Dichlorodifluoromethane	<41		120	41	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1-Dichloroethane	<25		61	25	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2-Dichloroethane	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1-Dichloroethene	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2-Dichloropropane	<26		61	26	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,3-Dichloropropane	<22		61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
2,2-Dichloropropane	<27	*	61	27	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1-Dichloropropene	<18		61	18	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Ethylbenzene	<11		15	11	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Hexachlorobutadiene	<27		61	27	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50

Client Sample ID: GB-6 (0-1)

Lab Sample ID: 500-129010-12
Date Collected: 06/01/17 12:40
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 90.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	<24	*	61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Isopropyl ether	<17		61	17	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Methylene Chloride	<100		310	100	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Methyl tert-butyl ether	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Naphthalene	<21		61	21	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
n-Butylbenzene	<24	*	61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
N-Propylbenzene	<25	*	61	25	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
p-Isopropyltoluene	<22	*	61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
sec-Butylbenzene	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Styrene	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
tert-Butylbenzene	<24	*	61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1,1,2-Tetrachloroethane	<28		61	28	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1,2,2-Tetrachloroethane	<24		61	24	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Tetrachloroethene	<23		61	23	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Toluene	<9.0		15	9.0	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
trans-1,2-Dichloroethene	<22		61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
trans-1,3-Dichloropropene	<22		61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2,3-Trichlorobenzene	<28		61	28	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2,4-Trichlorobenzene	<21		61	21	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1,1-Trichloroethane	<23	*	61	23	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,1,2-Trichloroethane	<22		61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Trichloroethene	<10		31	10	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Trichlorofluoromethane	<26		61	26	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2,3-Trichloropropane	<25		61	25	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,2,4-Trimethylbenzene	<22	*	61	22	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
1,3,5-Trimethylbenzene	<23	*	61	23	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Vinyl chloride	<16		31	16	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50
Xylenes, Total	<14		31	14	ug/Kg	☼	06/01/17 12:40	06/08/17 17:43	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*72 - 124*	*06/01/17 12:40*	*06/08/17 17:43*	*50*
Dibromofluoromethane	*90*		*75 - 120*	*06/01/17 12:40*	*06/08/17 17:43*	*50*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*	*06/01/17 12:40*	*06/08/17 17:43*	*50*
Toluene-d8 (Surr)	*98*		*75 - 120*	*06/01/17 12:40*	*06/08/17 17:43*	*50*

Client Sample ID: GB-6 (2-3)

Lab Sample ID: 500-129010-13
Date Collected: 06/01/17 13:00
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 93.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<8.2		14	8.2	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Bromobenzene	<20	*	56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Bromochloromethane	<24		56	24	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Bromodichloromethane	<21		56	21	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Bromoform	<27		56	27	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Bromomethane	<45		110	45	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Carbon tetrachloride	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Chlorobenzene	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Chloroethane	<28		56	28	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50

Client Sample ID: GB-6 (2-3)
Date Collected: 06/01/17 13:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-13
Matrix: Solid
Percent Solids: 93.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<21		110	21	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Chloromethane	<18		56	18	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
2-Chlorotoluene	<18	*	56	18	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
4-Chlorotoluene	<20	*	56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
cis-1,2-Dichloroethene	<23		56	23	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
cis-1,3-Dichloropropene	<23		56	23	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Dibromochloromethane	<27		56	27	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2-Dibromo-3-Chloropropane	<110		280	110	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2-Dibromoethane	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Dibromomethane	<15		56	15	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2-Dichlorobenzene	<19		56	19	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,3-Dichlorobenzene	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,4-Dichlorobenzene	<20		56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Dichlorodifluoromethane	<38		110	38	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1-Dichloroethane	<23		56	23	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2-Dichloroethane	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1-Dichloroethene	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2-Dichloropropane	<24		56	24	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,3-Dichloropropane	<20		56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
2,2-Dichloropropane	<25	*	56	25	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1-Dichloropropene	<17		56	17	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Ethylbenzene	<10		14	10	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Hexachlorobutadiene	<25		56	25	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Isopropylbenzene	<22	*	56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Isopropyl ether	<15		56	15	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Methylene Chloride	<91		280	91	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Methyl tert-butyl ether	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Naphthalene	<19		56	19	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
n-Butylbenzene	<22	*	56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
N-Propylbenzene	<23	*	56	23	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
p-Isopropyltoluene	<20	*	56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
sec-Butylbenzene	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Styrene	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
tert-Butylbenzene	<22	*	56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1,1,2-Tetrachloroethane	<26		56	26	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1,2,2-Tetrachloroethane	<22		56	22	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Tetrachloroethene	<21		56	21	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Toluene	<8.2		14	8.2	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
trans-1,2-Dichloroethene	<20		56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
trans-1,3-Dichloropropene	<20		56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2,3-Trichlorobenzene	<26		56	26	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2,4-Trichlorobenzene	<19		56	19	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1,1-Trichloroethane	<21	*	56	21	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,1,2-Trichloroethane	<20		56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Trichloroethene	<9.2		28	9.2	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Trichlorofluoromethane	<24		56	24	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2,3-Trichloropropane	<23		56	23	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,2,4-Trimethylbenzene	<20	*	56	20	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
1,3,5-Trimethylbenzene	<21	*	56	21	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50

Client Sample ID: GB-6 (2-3)

Lab Sample ID: 500-129010-13
Date Collected: 06/01/17 13:00
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 93.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	<15		28	15	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50
Xylenes, Total	<12		28	12	ug/Kg	☼	06/01/17 13:00	06/08/17 18:09	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*72 - 124*	*06/01/17 13:00*	*06/08/17 18:09*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*06/01/17 13:00*	*06/08/17 18:09*	*50*
1,2-Dichloroethane-d4 (Surr)	*116*		*75 - 126*	*06/01/17 13:00*	*06/08/17 18:09*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*06/01/17 13:00*	*06/08/17 18:09*	*50*

Client Sample ID: GB-6 (8-10)

Lab Sample ID: 500-129010-14
Date Collected: 06/01/17 13:05
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		18	11	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Bromobenzene	<26	*	73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Bromochloromethane	<31		73	31	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Bromodichloromethane	<27		73	27	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Bromoform	<35		73	35	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Bromomethane	<58		150	58	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Carbon tetrachloride	<28		73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Chlorobenzene	<28		73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Chloroethane	<37		73	37	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Chloroform	<27		150	27	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Chloromethane	<23		73	23	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
2-Chlorotoluene	<23	*	73	23	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
4-Chlorotoluene	<26	*	73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
cis-1,2-Dichloroethene	<30		73	30	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
cis-1,3-Dichloropropene	<30		73	30	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Dibromochloromethane	<36		73	36	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2-Dibromo-3-Chloropropane	<150		370	150	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2-Dibromoethane	<28		73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Dibromomethane	<20		73	20	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2-Dichlorobenzene	<24		73	24	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,3-Dichlorobenzene	<29		73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,4-Dichlorobenzene	<27		73	27	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Dichlorodifluoromethane	<49		150	49	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1-Dichloroethane	<30		73	30	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2-Dichloroethane	<29		73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1-Dichloroethene	<29		73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2-Dichloropropane	<31		73	31	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,3-Dichloropropane	<26		73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
2,2-Dichloropropane	<32	*	73	32	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1-Dichloropropene	<22		73	22	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Hexachlorobutadiene	<33		73	33	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Isopropylbenzene	<28	*	73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Isopropyl ether	<20		73	20	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Methylene Chloride	<120		370	120	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50

Client Sample ID: GB-6 (8-10)

Date Collected: 06/01/17 13:05
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-14

Matrix: Solid
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	<29		73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Naphthalene	<24		73	24	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
n-Butylbenzene	<28	*	73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
N-Propylbenzene	<30	*	73	30	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
p-Isopropyltoluene	<26	*	73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
sec-Butylbenzene	<29		73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Styrene	<28		73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
tert-Butylbenzene	<29	*	73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1,1,2-Tetrachloroethane	<34		73	34	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1,2,2-Tetrachloroethane	<29		73	29	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Tetrachloroethene	<27		73	27	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Toluene	<11		18	11	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
trans-1,2-Dichloroethene	<26		73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
trans-1,3-Dichloropropene	<26		73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2,3-Trichlorobenzene	<33		73	33	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2,4-Trichlorobenzene	<25		73	25	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1,1-Trichloroethane	<28	*	73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,1,2-Trichloroethane	<26		73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Trichloroethene	<12		37	12	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Trichlorofluoromethane	<31		73	31	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2,3-Trichloropropane	<30		73	30	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,2,4-Trimethylbenzene	<26	*	73	26	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
1,3,5-Trimethylbenzene	<28	*	73	28	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Vinyl chloride	<19		37	19	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50
Xylenes, Total	<16		37	16	ug/Kg	☼	06/01/17 13:05	06/08/17 18:35	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*72 - 124*	*06/01/17 13:05*	*06/08/17 18:35*	*50*
Dibromofluoromethane	*93*		*75 - 120*	*06/01/17 13:05*	*06/08/17 18:35*	*50*
1,2-Dichloroethane-d4 (Surr)	*117*		*75 - 126*	*06/01/17 13:05*	*06/08/17 18:35*	*50*
Toluene-d8 (Surr)	*94*		*75 - 120*	*06/01/17 13:05*	*06/08/17 18:35*	*50*

Client Sample ID: MW-4 (3.5-5)

Date Collected: 06/01/17 14:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-15

Matrix: Solid
Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<10		18	10	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Bromobenzene	<25	*	71	25	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Bromochloromethane	<30		71	30	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Bromodichloromethane	<26		71	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Bromoform	<34		71	34	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Bromomethane	<56		140	56	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Carbon tetrachloride	<27		71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Chlorobenzene	<27		71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Chloroethane	<36		71	36	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Chloroform	<26		140	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Chloromethane	<23		71	23	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
2-Chlorotoluene	<22	*	71	22	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50

Client Sample ID: MW-4 (3.5-5)
Date Collected: 06/01/17 14:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-15
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorotoluene	<25	*	71	25	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
cis-1,2-Dichloroethene	<29		71	29	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
cis-1,3-Dichloropropene	<29		71	29	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Dibromochloromethane	<35		71	35	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2-Dibromo-3-Chloropropane	<140		350	140	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2-Dibromoethane	<27		71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Dibromomethane	<19		71	19	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2-Dichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,3-Dichlorobenzene	<28		71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,4-Dichlorobenzene	<26		71	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Dichlorodifluoromethane	<48		140	48	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1-Dichloroethane	<29		71	29	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2-Dichloroethane	<28		71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1-Dichloroethene	<28		71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2-Dichloropropane	<30		71	30	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,3-Dichloropropane	<26		71	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
2,2-Dichloropropane	<31	*	71	31	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1-Dichloropropene	<21		71	21	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Ethylbenzene	<13		18	13	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Hexachlorobutadiene	<32		71	32	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Isopropylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Isopropyl ether	<20		71	20	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Methylene Chloride	<120		350	120	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Methyl tert-butyl ether	<28		71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Naphthalene	<24		71	24	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
n-Butylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
N-Propylbenzene	<29	*	71	29	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
p-Isopropyltoluene	<26	*	71	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
sec-Butylbenzene	<28		71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Styrene	<27		71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
tert-Butylbenzene	<28	*	71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1,1,2-Tetrachloroethane	<33		71	33	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1,2,2-Tetrachloroethane	<28		71	28	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Tetrachloroethene	<26		71	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Toluene	<10		18	10	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
trans-1,2-Dichloroethene	<25		71	25	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
trans-1,3-Dichloropropene	<26		71	26	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2,3-Trichlorobenzene	<32		71	32	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2,4-Trichlorobenzene	<24		71	24	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1,1-Trichloroethane	<27	*	71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,1,2-Trichloroethane	<25		71	25	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Trichloroethene	<12		35	12	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Trichlorofluoromethane	<30		71	30	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2,3-Trichloropropane	<29		71	29	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,2,4-Trimethylbenzene	<25	*	71	25	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
1,3,5-Trimethylbenzene	<27	*	71	27	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Vinyl chloride	<19		35	19	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50
Xylenes, Total	<16		35	16	ug/Kg	☼	06/01/17 14:00	06/08/17 19:01	50

Client Sample ID: MW-4 (3.5-5)

Lab Sample ID: 500-129010-15

Date Collected: 06/01/17 14:00
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 83.1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*72 - 124*	*06/01/17 14:00*	*06/08/17 19:01*	*50*
Dibromofluoromethane	*91*		*75 - 120*	*06/01/17 14:00*	*06/08/17 19:01*	*50*
1,2-Dichloroethane-d4 (Surr)	*114*		*75 - 126*	*06/01/17 14:00*	*06/08/17 19:01*	*50*
Toluene-d8 (Surr)	*90*		*75 - 120*	*06/01/17 14:00*	*06/08/17 19:01*	*50*

Client Sample ID: MW-4 (5-7.5)

Lab Sample ID: 500-129010-16

Date Collected: 06/01/17 14:05
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 80.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<11		19	11	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Bromobenzene	<27	*	75	27	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Bromochloromethane	<32		75	32	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Bromodichloromethane	<28		75	28	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Bromoform	<36		75	36	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Bromomethane	<59		150	59	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Carbon tetrachloride	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Chlorobenzene	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Chloroethane	<38		75	38	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Chloroform	<28		150	28	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Chloromethane	<24		75	24	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
2-Chlorotoluene	<23	*	75	23	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
4-Chlorotoluene	<26	*	75	26	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
cis-1,2-Dichloroethene	<30		75	30	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
cis-1,3-Dichloropropene	<31		75	31	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Dibromochloromethane	<36		75	36	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2-Dibromo-3-Chloropropane	<150	F1	370	150	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2-Dibromoethane	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Dibromomethane	<20		75	20	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2-Dichlorobenzene	<25		75	25	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,3-Dichlorobenzene	<30		75	30	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,4-Dichlorobenzene	<27		75	27	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Dichlorodifluoromethane	<50		150	50	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1-Dichloroethane	<31		75	31	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2-Dichloroethane	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1-Dichloroethene	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2-Dichloropropane	<32		75	32	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,3-Dichloropropane	<27		75	27	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
2,2-Dichloropropane	<33	*	75	33	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1-Dichloropropene	<22		75	22	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Ethylbenzene	<14		19	14	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Hexachlorobutadiene	<33		75	33	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Isopropylbenzene	<29	F1 *	75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Isopropyl ether	<21		75	21	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Methylene Chloride	<120		370	120	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Methyl tert-butyl ether	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Naphthalene	<25		75	25	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
n-Butylbenzene	<29	*	75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
N-Propylbenzene	<31	*	75	31	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: MW-4 (5-7.5)
Date Collected: 06/01/17 14:05
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-16
Matrix: Solid
Percent Solids: 80.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	<27	*	75	27	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
sec-Butylbenzene	<30		75	30	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Styrene	<29		75	29	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
tert-Butylbenzene	<30	*	75	30	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1,1,2-Tetrachloroethane	<34		75	34	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1,2,2-Tetrachloroethane	<30		75	30	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Tetrachloroethene	<28		75	28	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Toluene	<11		19	11	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
trans-1,2-Dichloroethene	<26		75	26	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
trans-1,3-Dichloropropene	<27		75	27	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2,3-Trichlorobenzene	<34		75	34	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2,4-Trichlorobenzene	<25		75	25	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1,1-Trichloroethane	<28	*	75	28	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,1,2-Trichloroethane	<26		75	26	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Trichloroethene	<12		37	12	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Trichlorofluoromethane	<32		75	32	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2,3-Trichloropropane	<31		75	31	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,2,4-Trimethylbenzene	<27	*	75	27	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
1,3,5-Trimethylbenzene	<28	*	75	28	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Vinyl chloride	<20		37	20	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50
Xylenes, Total	<16		37	16	ug/Kg	☼	06/01/17 14:05	06/08/17 19:27	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*72 - 124*	*06/01/17 14:05*	*06/08/17 19:27*	*50*
Dibromofluoromethane	*90*		*75 - 120*	*06/01/17 14:05*	*06/08/17 19:27*	*50*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*	*06/01/17 14:05*	*06/08/17 19:27*	*50*
Toluene-d8 (Surr)	*91*		*75 - 120*	*06/01/17 14:05*	*06/08/17 19:27*	*50*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

GC/MS VOA

Prep Batch: 388594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129010-1	MW-2 (0-1)	Total/NA	Solid	5035	
500-129010-2	MW-2 (3-4)	Total/NA	Solid	5035	
500-129010-3	MW-2 (4-6)	Total/NA	Solid	5035	
500-129010-4	MW-3 (4-5)	Total/NA	Solid	5035	
500-129010-5	MW-3 (10-12.5)	Total/NA	Solid	5035	
500-129010-6	GB-4 (0-1.5)	Total/NA	Solid	5035	
500-129010-7	GB-4 (3-4)	Total/NA	Solid	5035	
500-129010-8 - DL	GB-4 (4-6)	Total/NA	Solid	5035	
500-129010-8	GB-4 (4-6)	Total/NA	Solid	5035	
500-129010-9	GB-5 (0-1)	Total/NA	Solid	5035	
500-129010-10	GB-5 (2-3)	Total/NA	Solid	5035	
500-129010-11	GB-5 (4-6)	Total/NA	Solid	5035	
500-129010-12	GB-6 (0-1)	Total/NA	Solid	5035	
500-129010-13	GB-6 (2-3)	Total/NA	Solid	5035	
500-129010-14	GB-6 (8-10)	Total/NA	Solid	5035	
500-129010-15	MW-4 (3.5-5)	Total/NA	Solid	5035	
500-129010-16	MW-4 (5-7.5)	Total/NA	Solid	5035	
LB3 500-388594/19-A	Method Blank	Total/NA	Solid	5035	
LCS 500-388594/20-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 388627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129010-1	MW-2 (0-1)	Total/NA	Solid	8260B	388594
500-129010-2	MW-2 (3-4)	Total/NA	Solid	8260B	388594
500-129010-3	MW-2 (4-6)	Total/NA	Solid	8260B	388594
500-129010-4	MW-3 (4-5)	Total/NA	Solid	8260B	388594
500-129010-5	MW-3 (10-12.5)	Total/NA	Solid	8260B	388594
500-129010-6	GB-4 (0-1.5)	Total/NA	Solid	8260B	388594
500-129010-7	GB-4 (3-4)	Total/NA	Solid	8260B	388594
500-129010-8	GB-4 (4-6)	Total/NA	Solid	8260B	388594
500-129010-9	GB-5 (0-1)	Total/NA	Solid	8260B	388594
500-129010-10	GB-5 (2-3)	Total/NA	Solid	8260B	388594
500-129010-11	GB-5 (4-6)	Total/NA	Solid	8260B	388594
500-129010-12	GB-6 (0-1)	Total/NA	Solid	8260B	388594
500-129010-13	GB-6 (2-3)	Total/NA	Solid	8260B	388594
500-129010-14	GB-6 (8-10)	Total/NA	Solid	8260B	388594
500-129010-15	MW-4 (3.5-5)	Total/NA	Solid	8260B	388594
500-129010-16	MW-4 (5-7.5)	Total/NA	Solid	8260B	388594
LB3 500-388594/19-A	Method Blank	Total/NA	Solid	8260B	388594
MB 500-388627/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-388594/20-A	Lab Control Sample	Total/NA	Solid	8260B	388594
LCS 500-388627/4	Lab Control Sample	Total/NA	Solid	8260B	

Analysis Batch: 388801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129010-8 - DL	GB-4 (4-6)	Total/NA	Solid	8260B	388594
MB 500-388801/6	Method Blank	Total/NA	Solid	8260B	
LCS 500-388801/4	Lab Control Sample	Total/NA	Solid	8260B	

QC Association Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

General Chemistry

Analysis Batch: 387898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129010-1	MW-2 (0-1)	Total/NA	Solid	Moisture	
500-129010-2	MW-2 (3-4)	Total/NA	Solid	Moisture	
500-129010-3	MW-2 (4-6)	Total/NA	Solid	Moisture	
500-129010-4	MW-3 (4-5)	Total/NA	Solid	Moisture	
500-129010-5	MW-3 (10-12.5)	Total/NA	Solid	Moisture	
500-129010-6	GB-4 (0-1.5)	Total/NA	Solid	Moisture	
500-129010-7	GB-4 (3-4)	Total/NA	Solid	Moisture	
500-129010-8	GB-4 (4-6)	Total/NA	Solid	Moisture	
500-129010-9	GB-5 (0-1)	Total/NA	Solid	Moisture	
500-129010-10	GB-5 (2-3)	Total/NA	Solid	Moisture	
500-129010-11	GB-5 (4-6)	Total/NA	Solid	Moisture	
500-129010-12	GB-6 (0-1)	Total/NA	Solid	Moisture	
500-129010-13	GB-6 (2-3)	Total/NA	Solid	Moisture	
500-129010-14	GB-6 (8-10)	Total/NA	Solid	Moisture	
500-129010-15	MW-4 (3.5-5)	Total/NA	Solid	Moisture	
500-129010-16	MW-4 (5-7.5)	Total/NA	Solid	Moisture	
500-129010-5 DU	MW-3 (10-12.5)	Total/NA	Solid	Moisture	

Surrogate Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-129010-1	MW-2 (0-1)	115	94	115	90
500-129010-2	MW-2 (3-4)	114	91	119	93
500-129010-3	MW-2 (4-6)	114	92	117	103
500-129010-4	MW-3 (4-5)	115	89	115	109
500-129010-5	MW-3 (10-12.5)	115	92	113	98
500-129010-6	GB-4 (0-1.5)	118	93	118	106
500-129010-7	GB-4 (3-4)	111	89	114	91
500-129010-8	GB-4 (4-6)	114	91	118	90
500-129010-8 - DL	GB-4 (4-6)	97	91	93	103
500-129010-9	GB-5 (0-1)	104	94	117	98
500-129010-10	GB-5 (2-3)	118	91	116	100
500-129010-11	GB-5 (4-6)	115	94	115	108
500-129010-12	GB-6 (0-1)	106	90	115	98
500-129010-13	GB-6 (2-3)	111	91	116	100
500-129010-14	GB-6 (8-10)	113	93	117	94
500-129010-15	MW-4 (3.5-5)	115	91	114	90
500-129010-16	MW-4 (5-7.5)	114	90	115	91
LB3 500-388594/19-A	Method Blank	116	92	119	100
LCS 500-388594/20-A	Lab Control Sample	116	91	110	101
LCS 500-388627/4	Lab Control Sample	112	90	111	104
LCS 500-388801/4	Lab Control Sample	96	92	90	104
MB 500-388627/6	Method Blank	117	91	113	93
MB 500-388801/6	Method Blank	98	91	91	101

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LB3 500-388594/19-A
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388594

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<7.3		13	7.3	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Bromobenzene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Bromochloromethane	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Bromodichloromethane	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Bromoform	<24		50	24	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Bromomethane	<40		100	40	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Carbon tetrachloride	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Chlorobenzene	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Chloroethane	<25		50	25	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Chloroform	<19		100	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Chloromethane	<16		50	16	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
2-Chlorotoluene	<16		50	16	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
4-Chlorotoluene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
cis-1,2-Dichloroethene	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
cis-1,3-Dichloropropene	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Dibromochloromethane	<24		50	24	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2-Dibromo-3-Chloropropane	<100		250	100	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2-Dibromoethane	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Dibromomethane	<14		50	14	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2-Dichlorobenzene	<17		50	17	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,3-Dichlorobenzene	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,4-Dichlorobenzene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Dichlorodifluoromethane	<34		100	34	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1-Dichloroethane	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2-Dichloroethane	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1-Dichloroethene	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2-Dichloropropane	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,3-Dichloropropane	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
2,2-Dichloropropane	<22		50	22	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1-Dichloropropene	<15		50	15	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Ethylbenzene	<9.2		13	9.2	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Hexachlorobutadiene	<22		50	22	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Isopropylbenzene	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Isopropyl ether	<14		50	14	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Methylene Chloride	<82		250	82	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Methyl tert-butyl ether	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Naphthalene	<17		50	17	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
n-Butylbenzene	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
N-Propylbenzene	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
p-Isopropyltoluene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
sec-Butylbenzene	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Styrene	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
tert-Butylbenzene	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1,1,2-Tetrachloroethane	<23		50	23	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1,2,2-Tetrachloroethane	<20		50	20	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Tetrachloroethene	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Toluene	<7.4		13	7.4	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
trans-1,2-Dichloroethene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LB3 500-388594/19-A
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 388594

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2,3-Trichlorobenzene	<23		50	23	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2,4-Trichlorobenzene	<17		50	17	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1,1-Trichloroethane	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,1,2-Trichloroethane	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Trichloroethene	<8.2		25	8.2	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Trichlorofluoromethane	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2,3-Trichloropropane	<21		50	21	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,2,4-Trimethylbenzene	<18		50	18	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
1,3,5-Trimethylbenzene	<19		50	19	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Vinyl chloride	<13		25	13	ug/Kg		06/08/17 06:10	06/08/17 12:28	50
Xylenes, Total	<11		25	11	ug/Kg		06/08/17 06:10	06/08/17 12:28	50

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*	*06/08/17 06:10*	*06/08/17 12:28*	*50*
Dibromofluoromethane	*92*		*75 - 120*	*06/08/17 06:10*	*06/08/17 12:28*	*50*
1,2-Dichloroethane-d4 (Surr)	*119*		*75 - 126*	*06/08/17 06:10*	*06/08/17 12:28*	*50*
Toluene-d8 (Surr)	*100*		*75 - 120*	*06/08/17 06:10*	*06/08/17 12:28*	*50*

Lab Sample ID: LCS 500-388594/20-A
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	2500	2850		ug/Kg		114	70 - 120
Bromobenzene	2500	3130	*	ug/Kg		125	70 - 122
Bromochloromethane	2500	2420		ug/Kg		97	65 - 122
Bromodichloromethane	2500	2800		ug/Kg		112	69 - 120
Bromoform	2500	2900		ug/Kg		116	56 - 132
Bromomethane	2500	1560		ug/Kg		62	40 - 130
Carbon tetrachloride	2500	3010		ug/Kg		120	65 - 122
Chlorobenzene	2500	2920		ug/Kg		117	70 - 120
Chloroethane	2500	1930		ug/Kg		77	45 - 127
Chloroform	2500	2810		ug/Kg		112	70 - 120
Chloromethane	2500	2070		ug/Kg		83	54 - 147
2-Chlorotoluene	2500	3470	*	ug/Kg		139	70 - 125
4-Chlorotoluene	2500	3350	*	ug/Kg		134	68 - 124
cis-1,2-Dichloroethene	2500	2750		ug/Kg		110	70 - 125
cis-1,3-Dichloropropene	2500	3030		ug/Kg		121	64 - 127
Dibromochloromethane	2500	2820		ug/Kg		113	68 - 125
1,2-Dibromo-3-Chloropropane	2500	3060		ug/Kg		122	56 - 123
1,2-Dibromoethane	2500	2640		ug/Kg		106	70 - 125
Dibromomethane	2500	2550		ug/Kg		102	70 - 120
1,2-Dichlorobenzene	2500	2890		ug/Kg		116	70 - 125
1,3-Dichlorobenzene	2500	2770		ug/Kg		111	70 - 125
1,4-Dichlorobenzene	2500	2680		ug/Kg		107	70 - 120
Dichlorodifluoromethane	2500	1080		ug/Kg		43	40 - 150
1,1-Dichloroethane	2500	2960		ug/Kg		119	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-388594/20-A
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 388594

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	2500	3080		ug/Kg		123	68 - 127
1,1-Dichloroethene	2500	2640		ug/Kg		106	67 - 122
1,2-Dichloropropane	2500	3070		ug/Kg		123	67 - 130
1,3-Dichloropropane	2500	2950		ug/Kg		118	62 - 136
2,2-Dichloropropane	2500	3510	*	ug/Kg		140	58 - 129
1,1-Dichloropropene	2500	2980		ug/Kg		119	70 - 121
Ethylbenzene	2500	2870		ug/Kg		115	70 - 120
Hexachlorobutadiene	2500	3390		ug/Kg		136	51 - 150
Isopropylbenzene	2500	3500	*	ug/Kg		140	70 - 126
Methylene Chloride	2500	2500		ug/Kg		100	69 - 125
Methyl tert-butyl ether	2500	2660		ug/Kg		106	70 - 120
Naphthalene	2500	2360		ug/Kg		94	59 - 130
n-Butylbenzene	2500	3550	*	ug/Kg		142	68 - 125
N-Propylbenzene	2500	3560	*	ug/Kg		143	69 - 127
p-Isopropyltoluene	2500	3140	*	ug/Kg		126	70 - 125
sec-Butylbenzene	2500	3070		ug/Kg		123	70 - 123
Styrene	2500	2730		ug/Kg		109	70 - 120
tert-Butylbenzene	2500	3240	*	ug/Kg		129	70 - 121
1,1,1,2-Tetrachloroethane	2500	2830		ug/Kg		113	70 - 125
1,1,2,2-Tetrachloroethane	2500	2910		ug/Kg		116	67 - 127
Tetrachloroethene	2500	3100		ug/Kg		124	70 - 128
Toluene	2500	3030		ug/Kg		121	70 - 125
trans-1,2-Dichloroethene	2500	2640		ug/Kg		105	70 - 125
trans-1,3-Dichloropropene	2500	2940		ug/Kg		117	62 - 128
1,2,3-Trichlorobenzene	2500	2430		ug/Kg		97	55 - 140
1,2,4-Trichlorobenzene	2500	2790		ug/Kg		112	66 - 127
1,1,1-Trichloroethane	2500	3160	*	ug/Kg		126	70 - 125
1,1,2-Trichloroethane	2500	2830		ug/Kg		113	70 - 122
Trichloroethene	2500	2860		ug/Kg		114	70 - 125
Trichlorofluoromethane	2500	2650		ug/Kg		106	70 - 126
1,2,3-Trichloropropane	2500	3070		ug/Kg		123	50 - 133
1,2,4-Trimethylbenzene	2500	3100	*	ug/Kg		124	70 - 123
1,3,5-Trimethylbenzene	2500	3340	*	ug/Kg		134	70 - 123
Vinyl chloride	2500	2160		ug/Kg		87	64 - 126
Xylenes, Total	5000	6060		ug/Kg		121	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*72 - 124*
Dibromofluoromethane	*91*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*
Toluene-d8 (Surr)	*101*		*75 - 120*

Lab Sample ID: MB 500-388627/6
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			06/08/17 12:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-388627/6
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	<0.36		1.0	0.36	ug/Kg			06/08/17 12:02	1
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			06/08/17 12:02	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			06/08/17 12:02	1
Bromoform	<0.48		1.0	0.48	ug/Kg			06/08/17 12:02	1
Bromomethane	<0.80		2.0	0.80	ug/Kg			06/08/17 12:02	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			06/08/17 12:02	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			06/08/17 12:02	1
Chloroform	<0.37		2.0	0.37	ug/Kg			06/08/17 12:02	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			06/08/17 12:02	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			06/08/17 12:02	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			06/08/17 12:02	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			06/08/17 12:02	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			06/08/17 12:02	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			06/08/17 12:02	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			06/08/17 12:02	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			06/08/17 12:02	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			06/08/17 12:02	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			06/08/17 12:02	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			06/08/17 12:02	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/Kg			06/08/17 12:02	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			06/08/17 12:02	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			06/08/17 12:02	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			06/08/17 12:02	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			06/08/17 12:02	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			06/08/17 12:02	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			06/08/17 12:02	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			06/08/17 12:02	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			06/08/17 12:02	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			06/08/17 12:02	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			06/08/17 12:02	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			06/08/17 12:02	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			06/08/17 12:02	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			06/08/17 12:02	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			06/08/17 12:02	1
Styrene	<0.39		1.0	0.39	ug/Kg			06/08/17 12:02	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			06/08/17 12:02	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			06/08/17 12:02	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			06/08/17 12:02	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			06/08/17 12:02	1
Toluene	<0.15		0.25	0.15	ug/Kg			06/08/17 12:02	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			06/08/17 12:02	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			06/08/17 12:02	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-388627/6
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			06/08/17 12:02	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			06/08/17 12:02	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			06/08/17 12:02	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			06/08/17 12:02	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			06/08/17 12:02	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			06/08/17 12:02	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/Kg			06/08/17 12:02	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			06/08/17 12:02	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			06/08/17 12:02	1
Vinyl chloride	<0.26		0.50	0.26	ug/Kg			06/08/17 12:02	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			06/08/17 12:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*72 - 124*		*06/08/17 12:02*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*06/08/17 12:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*75 - 126*		*06/08/17 12:02*	*1*
Toluene-d8 (Surr)	*93*		*75 - 120*		*06/08/17 12:02*	*1*

Lab Sample ID: LCS 500-388627/4
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	45.6		ug/Kg		91	70 - 120
Bromobenzene	50.0	48.9		ug/Kg		98	70 - 122
Bromochloromethane	50.0	41.5		ug/Kg		83	65 - 122
Bromodichloromethane	50.0	44.6		ug/Kg		89	69 - 120
Bromoform	50.0	53.4		ug/Kg		107	56 - 132
Bromomethane	50.0	31.2		ug/Kg		62	40 - 130
Carbon tetrachloride	50.0	47.4		ug/Kg		95	65 - 122
Chlorobenzene	50.0	47.0		ug/Kg		94	70 - 120
Chloroethane	50.0	42.5		ug/Kg		85	45 - 127
Chloroform	50.0	44.7		ug/Kg		89	70 - 120
Chloromethane	50.0	50.8		ug/Kg		102	54 - 147
2-Chlorotoluene	50.0	52.0		ug/Kg		104	70 - 125
4-Chlorotoluene	50.0	51.2		ug/Kg		102	68 - 124
cis-1,2-Dichloroethene	50.0	45.6		ug/Kg		91	70 - 125
cis-1,3-Dichloropropene	50.0	50.5		ug/Kg		101	64 - 127
Dibromochloromethane	50.0	43.7		ug/Kg		87	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.8		ug/Kg		96	56 - 123
1,2-Dibromoethane	50.0	39.4		ug/Kg		79	70 - 125
Dibromomethane	50.0	43.8		ug/Kg		88	70 - 120
1,2-Dichlorobenzene	50.0	45.4		ug/Kg		91	70 - 125
1,3-Dichlorobenzene	50.0	46.8		ug/Kg		94	70 - 125
1,4-Dichlorobenzene	50.0	44.8		ug/Kg		90	70 - 120
Dichlorodifluoromethane	50.0	42.6		ug/Kg		85	40 - 150
1,1-Dichloroethane	50.0	49.0		ug/Kg		98	70 - 125
1,2-Dichloroethane	50.0	51.6		ug/Kg		103	68 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-388627/4
Matrix: Solid
Analysis Batch: 388627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	50.0	44.3		ug/Kg		89	67 - 122
1,2-Dichloropropane	50.0	48.1		ug/Kg		96	67 - 130
1,3-Dichloropropane	50.0	46.5		ug/Kg		93	62 - 136
2,2-Dichloropropane	50.0	55.5		ug/Kg		111	58 - 129
1,1-Dichloropropene	50.0	46.6		ug/Kg		93	70 - 121
Ethylbenzene	50.0	47.7		ug/Kg		95	70 - 120
Hexachlorobutadiene	50.0	48.9		ug/Kg		98	51 - 150
Isopropylbenzene	50.0	51.7		ug/Kg		103	70 - 126
Methylene Chloride	50.0	43.0		ug/Kg		86	69 - 125
Methyl tert-butyl ether	50.0	45.4		ug/Kg		91	70 - 120
Naphthalene	50.0	35.1		ug/Kg		70	59 - 130
n-Butylbenzene	50.0	50.4		ug/Kg		101	68 - 125
N-Propylbenzene	50.0	52.8		ug/Kg		106	69 - 127
p-Isopropyltoluene	50.0	48.8		ug/Kg		98	70 - 125
sec-Butylbenzene	50.0	50.4		ug/Kg		101	70 - 123
Styrene	50.0	46.8		ug/Kg		94	70 - 120
tert-Butylbenzene	50.0	51.6		ug/Kg		103	70 - 121
1,1,1,2-Tetrachloroethane	50.0	47.1		ug/Kg		94	70 - 125
1,1,2,2-Tetrachloroethane	50.0	46.7		ug/Kg		93	67 - 127
Tetrachloroethene	50.0	45.6		ug/Kg		91	70 - 128
Toluene	50.0	49.2		ug/Kg		98	70 - 125
trans-1,2-Dichloroethene	50.0	43.1		ug/Kg		86	70 - 125
trans-1,3-Dichloropropene	50.0	48.8		ug/Kg		98	62 - 128
1,2,3-Trichlorobenzene	50.0	34.7		ug/Kg		69	55 - 140
1,2,4-Trichlorobenzene	50.0	39.7		ug/Kg		79	66 - 127
1,1,1-Trichloroethane	50.0	49.7		ug/Kg		99	70 - 125
1,1,2-Trichloroethane	50.0	44.1		ug/Kg		88	70 - 122
Trichloroethene	50.0	43.7		ug/Kg		87	70 - 125
Trichlorofluoromethane	50.0	50.1		ug/Kg		100	70 - 126
1,2,3-Trichloropropane	50.0	53.3		ug/Kg		107	50 - 133
1,2,4-Trimethylbenzene	50.0	49.9		ug/Kg		100	70 - 123
1,3,5-Trimethylbenzene	50.0	49.4		ug/Kg		99	70 - 123
Vinyl chloride	50.0	46.8		ug/Kg		94	64 - 126
Xylenes, Total	100	99.4		ug/Kg		99	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*72 - 124*
Dibromofluoromethane	*90*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*111*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Sample ID: MB 500-388801/6
Matrix: Solid
Analysis Batch: 388801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.25	0.15	ug/Kg			06/09/17 10:21	1
Bromobenzene	<0.36		1.0	0.36	ug/Kg			06/09/17 10:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-388801/6
Matrix: Solid
Analysis Batch: 388801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	<0.43		1.0	0.43	ug/Kg			06/09/17 10:21	1
Bromodichloromethane	<0.37		1.0	0.37	ug/Kg			06/09/17 10:21	1
Bromoform	<0.48		1.0	0.48	ug/Kg			06/09/17 10:21	1
Bromomethane	<0.80		2.0	0.80	ug/Kg			06/09/17 10:21	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/Kg			06/09/17 10:21	1
Chlorobenzene	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
Chloroethane	<0.50		1.0	0.50	ug/Kg			06/09/17 10:21	1
Chloroform	<0.37		2.0	0.37	ug/Kg			06/09/17 10:21	1
Chloromethane	<0.32		1.0	0.32	ug/Kg			06/09/17 10:21	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/Kg			06/09/17 10:21	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/Kg			06/09/17 10:21	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/Kg			06/09/17 10:21	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/Kg			06/09/17 10:21	1
Dibromochloromethane	<0.49		1.0	0.49	ug/Kg			06/09/17 10:21	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/Kg			06/09/17 10:21	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
Dibromomethane	<0.27		1.0	0.27	ug/Kg			06/09/17 10:21	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/Kg			06/09/17 10:21	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/Kg			06/09/17 10:21	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/Kg			06/09/17 10:21	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/Kg			06/09/17 10:21	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/Kg			06/09/17 10:21	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/Kg			06/09/17 10:21	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/Kg			06/09/17 10:21	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/Kg			06/09/17 10:21	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/Kg			06/09/17 10:21	1
Ethylbenzene	<0.18		0.25	0.18	ug/Kg			06/09/17 10:21	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/Kg			06/09/17 10:21	1
Isopropylbenzene	<0.38		1.0	0.38	ug/Kg			06/09/17 10:21	1
Isopropyl ether	<0.28		1.0	0.28	ug/Kg			06/09/17 10:21	1
Methylene Chloride	<1.6		5.0	1.6	ug/Kg			06/09/17 10:21	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
Naphthalene	<0.33		1.0	0.33	ug/Kg			06/09/17 10:21	1
n-Butylbenzene	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
N-Propylbenzene	<0.41		1.0	0.41	ug/Kg			06/09/17 10:21	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/Kg			06/09/17 10:21	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/Kg			06/09/17 10:21	1
Styrene	<0.39		1.0	0.39	ug/Kg			06/09/17 10:21	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/Kg			06/09/17 10:21	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/Kg			06/09/17 10:21	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/Kg			06/09/17 10:21	1
Tetrachloroethene	<0.37		1.0	0.37	ug/Kg			06/09/17 10:21	1
Toluene	<0.15		0.25	0.15	ug/Kg			06/09/17 10:21	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/Kg			06/09/17 10:21	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/Kg			06/09/17 10:21	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/Kg			06/09/17 10:21	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-388801/6
Matrix: Solid
Analysis Batch: 388801

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/Kg			06/09/17 10:21	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/Kg			06/09/17 10:21	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/Kg			06/09/17 10:21	1
Trichloroethene	<0.16		0.50	0.16	ug/Kg			06/09/17 10:21	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/Kg			06/09/17 10:21	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/Kg			06/09/17 10:21	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/Kg			06/09/17 10:21	1
1,3,5-Trimethylbenzene	<0.38		1.0	0.38	ug/Kg			06/09/17 10:21	1
Vinyl chloride	<0.26		0.50	0.26	ug/Kg			06/09/17 10:21	1
Xylenes, Total	<0.22		0.50	0.22	ug/Kg			06/09/17 10:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*72 - 124*		*06/09/17 10:21*	*1*
Dibromofluoromethane	*91*		*75 - 120*		*06/09/17 10:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 126*		*06/09/17 10:21*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*06/09/17 10:21*	*1*

Lab Sample ID: LCS 500-388801/4
Matrix: Solid
Analysis Batch: 388801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	49.2		ug/Kg		98	70 - 120
Bromobenzene	50.0	49.6		ug/Kg		99	70 - 122
Bromochloromethane	50.0	48.8		ug/Kg		98	65 - 122
Bromodichloromethane	50.0	46.3		ug/Kg		93	69 - 120
Bromoform	50.0	48.5		ug/Kg		97	56 - 132
Bromomethane	50.0	44.1		ug/Kg		88	40 - 130
Carbon tetrachloride	50.0	46.5		ug/Kg		93	65 - 122
Chlorobenzene	50.0	51.1		ug/Kg		102	70 - 120
Chloroethane	50.0	41.1		ug/Kg		82	45 - 127
Chloroform	50.0	46.6		ug/Kg		93	70 - 120
Chloromethane	50.0	39.4		ug/Kg		79	54 - 147
2-Chlorotoluene	50.0	49.2		ug/Kg		98	70 - 125
4-Chlorotoluene	50.0	48.4		ug/Kg		97	68 - 124
cis-1,2-Dichloroethene	50.0	47.8		ug/Kg		96	70 - 125
cis-1,3-Dichloropropene	50.0	50.5		ug/Kg		101	64 - 127
Dibromochloromethane	50.0	49.4		ug/Kg		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	47.2		ug/Kg		94	56 - 123
1,2-Dibromoethane	50.0	49.3		ug/Kg		99	70 - 125
Dibromomethane	50.0	48.2		ug/Kg		96	70 - 120
1,2-Dichlorobenzene	50.0	50.3		ug/Kg		101	70 - 125
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	70 - 125
1,4-Dichlorobenzene	50.0	49.7		ug/Kg		99	70 - 120
Dichlorodifluoromethane	50.0	45.9		ug/Kg		92	40 - 150
1,1-Dichloroethane	50.0	47.9		ug/Kg		96	70 - 125
1,2-Dichloroethane	50.0	47.1		ug/Kg		94	68 - 127
1,1-Dichloroethene	50.0	48.4		ug/Kg		97	67 - 122

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-388801/4
Matrix: Solid
Analysis Batch: 388801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	50.0	50.1		ug/Kg		100	67 - 130
1,3-Dichloropropane	50.0	52.1		ug/Kg		104	62 - 136
2,2-Dichloropropane	50.0	45.5		ug/Kg		91	58 - 129
1,1-Dichloropropene	50.0	49.0		ug/Kg		98	70 - 121
Ethylbenzene	50.0	50.9		ug/Kg		102	70 - 120
Hexachlorobutadiene	50.0	50.6		ug/Kg		101	51 - 150
Isopropylbenzene	50.0	49.5		ug/Kg		99	70 - 126
Methylene Chloride	50.0	46.8		ug/Kg		94	69 - 125
Methyl tert-butyl ether	50.0	47.4		ug/Kg		95	70 - 120
Naphthalene	50.0	47.4		ug/Kg		95	59 - 130
n-Butylbenzene	50.0	50.9		ug/Kg		102	68 - 125
N-Propylbenzene	50.0	49.8		ug/Kg		100	69 - 127
p-Isopropyltoluene	50.0	50.5		ug/Kg		101	70 - 125
sec-Butylbenzene	50.0	50.7		ug/Kg		101	70 - 123
Styrene	50.0	48.8		ug/Kg		98	70 - 120
tert-Butylbenzene	50.0	49.8		ug/Kg		100	70 - 121
1,1,1,2-Tetrachloroethane	50.0	49.3		ug/Kg		99	70 - 125
1,1,2,2-Tetrachloroethane	50.0	48.7		ug/Kg		97	67 - 127
Tetrachloroethene	50.0	52.3		ug/Kg		105	70 - 128
Toluene	50.0	52.6		ug/Kg		105	70 - 125
trans-1,2-Dichloroethene	50.0	48.3		ug/Kg		97	70 - 125
trans-1,3-Dichloropropene	50.0	50.2		ug/Kg		100	62 - 128
1,2,3-Trichlorobenzene	50.0	47.0		ug/Kg		94	55 - 140
1,2,4-Trichlorobenzene	50.0	47.1		ug/Kg		94	66 - 127
1,1,1-Trichloroethane	50.0	47.3		ug/Kg		95	70 - 125
1,1,2-Trichloroethane	50.0	50.0		ug/Kg		100	70 - 122
Trichloroethene	50.0	47.3		ug/Kg		95	70 - 125
Trichlorofluoromethane	50.0	45.3		ug/Kg		91	70 - 126
1,2,3-Trichloropropane	50.0	49.2		ug/Kg		98	50 - 133
1,2,4-Trimethylbenzene	50.0	50.6		ug/Kg		101	70 - 123
1,3,5-Trimethylbenzene	50.0	50.2		ug/Kg		100	70 - 123
Vinyl chloride	50.0	46.1		ug/Kg		92	64 - 126
Xylenes, Total	100	97.8		ug/Kg		98	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*96*		*72 - 124*
Dibromofluoromethane	*92*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 126*
Toluene-d8 (Surr)	*104*		*75 - 120*

Lab Chronicle

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: MW-2 (0-1)
Date Collected: 06/01/17 08:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-2 (0-1)
Date Collected: 06/01/17 08:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-1
Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 08:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 12:54	TCT	TAL CHI

Client Sample ID: MW-2 (3-4)
Date Collected: 06/01/17 09:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-2 (3-4)
Date Collected: 06/01/17 09:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-2
Matrix: Solid
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 09:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 13:20	TCT	TAL CHI

Client Sample ID: MW-2 (4-6)
Date Collected: 06/01/17 09:20
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-2 (4-6)
Date Collected: 06/01/17 09:20
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-3
Matrix: Solid
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 09:20	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 13:47	TCT	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: MW-3 (4-5)
Date Collected: 06/01/17 10:30
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-3 (4-5)
Date Collected: 06/01/17 10:30
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-4
Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 10:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 14:13	TCT	TAL CHI

Client Sample ID: MW-3 (10-12.5)
Date Collected: 06/01/17 10:35
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-3 (10-12.5)
Date Collected: 06/01/17 10:35
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-5
Matrix: Solid
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 10:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 14:39	TCT	TAL CHI

Client Sample ID: GB-4 (0-1.5)
Date Collected: 06/01/17 10:40
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-4 (0-1.5)
Date Collected: 06/01/17 10:40
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-6
Matrix: Solid
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 10:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 15:05	TCT	TAL CHI

Client Sample ID: GB-4 (3-4)
Date Collected: 06/01/17 10:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-4 (3-4)
Date Collected: 06/01/17 10:45
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-7
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 10:45	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 15:31	TCT	TAL CHI

Client Sample ID: GB-4 (4-6)
Date Collected: 06/01/17 10:50
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-4 (4-6)
Date Collected: 06/01/17 10:50
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-8
Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035	DL		388594	06/01/17 10:50	WRE	TAL CHI
Total/NA	Analysis	8260B	DL	500	388801	06/09/17 10:48	TCT	TAL CHI
Total/NA	Prep	5035			388594	06/01/17 10:50	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 15:57	TCT	TAL CHI

Client Sample ID: GB-5 (0-1)
Date Collected: 06/01/17 11:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-5 (0-1)
Date Collected: 06/01/17 11:15
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-9
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 11:15	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 16:24	TCT	TAL CHI

Client Sample ID: GB-5 (2-3)
Lab Sample ID: 500-129010-10
Date Collected: 06/01/17 11:30
Matrix: Solid
Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-5 (2-3)
Lab Sample ID: 500-129010-10
Date Collected: 06/01/17 11:30
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 11:30	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 16:50	TCT	TAL CHI

Client Sample ID: GB-5 (4-6)
Lab Sample ID: 500-129010-11
Date Collected: 06/01/17 11:35
Matrix: Solid
Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-5 (4-6)
Lab Sample ID: 500-129010-11
Date Collected: 06/01/17 11:35
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 11:35	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 17:16	TCT	TAL CHI

Client Sample ID: GB-6 (0-1)
Lab Sample ID: 500-129010-12
Date Collected: 06/01/17 12:40
Matrix: Solid
Date Received: 06/02/17 09:55

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-6 (0-1)
Lab Sample ID: 500-129010-12
Date Collected: 06/01/17 12:40
Matrix: Solid
Date Received: 06/02/17 09:55
Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 12:40	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 17:43	TCT	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: GB-6 (2-3)
Date Collected: 06/01/17 13:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-6 (2-3)
Date Collected: 06/01/17 13:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-13
Matrix: Solid
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 13:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 18:09	TCT	TAL CHI

Client Sample ID: GB-6 (8-10)
Date Collected: 06/01/17 13:05
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: GB-6 (8-10)
Date Collected: 06/01/17 13:05
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-14
Matrix: Solid
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 13:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 18:35	TCT	TAL CHI

Client Sample ID: MW-4 (3.5-5)
Date Collected: 06/01/17 14:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-4 (3.5-5)
Date Collected: 06/01/17 14:00
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-15
Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 14:00	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 19:01	TCT	TAL CHI

Lab Chronicle

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Client Sample ID: MW-4 (5-7.5)
Date Collected: 06/01/17 14:05
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	387898	06/02/17 11:56	LWN	TAL CHI

Client Sample ID: MW-4 (5-7.5)
Date Collected: 06/01/17 14:05
Date Received: 06/02/17 09:55

Lab Sample ID: 500-129010-16
Matrix: Solid
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			388594	06/01/17 14:05	WRE	TAL CHI
Total/NA	Analysis	8260B		50	388627	06/08/17 19:27	TCT	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027

TestAmerica Job ID: 500-129010-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)	
Report To	
Contact:	Robert Langdon
Company:	SCS Engineers
Address:	2830 Dairy Drive
Address:	Madison, WI 53718
Phone:	608-224-2830
Fax:	
E-Mail:	Rlangdon@scsengineers.com

(optional)	
Bill To	
Contact:	SAME
Company:	
Address:	
Address:	
Phone:	
Fax:	
PO#/Reference#	

Chain of Custody Record

Lab Job #: 500-129010
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 5.9

Client: SCS Engineers
Client Project #: 25217027
Project Name: Highland Plaza
Project Location/State: Milwaukee, WI
Lab Project #:
Sampler: Nate Harms
Lab PM:

Preservative: MeOH (VOCs); 8 (Dry Weight)

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	Dry Weight	Comments
1		MW-2 (0-1)	6-1-17	845	2	S	X	X	PID = 12.1 ppm
2		MW-2 (3-4)	↓	915	2	S	↓	↓	9.2 ppm
3		MW-2 (4-6)		920	2	S			21.3 ppm
4		MW-3 (4-5)		1030	2	S			10.4 ppm
5		MW-3 (10-12.5)		1035	2	S			12.6 ppm
6		GB-4 (0-1.5)		1040	2	S			8.6 ppm
7		GB-4 (3-4)		1045	2	S			12.5 ppm
8		GB-4 (4-6)		1050	2	S			31.5 ppm
9		GB-5 (0-1)		1115	2	S			10.5 ppm
10		GB-5 (2-3)		1130	2	S			14.2 ppm
11		GB-5 (4-6)		1135	2				11.2 ppm

Turnaround Time Required (Business Days)
__ 1 Day __ 2 Days __ 5 Days X 7 Days __ 10 Days __ 15 Days __ Other
Requested Due Date ____

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Nate Harms	SCS	6-1-17	1500	[signature]	TA	06/02/17	0955
Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier:
Shipped: ✓
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

500-129010 COC

TestAmerica

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2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact:
Company:
Address:
Address:
Phone:
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-129010

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler:

Client: SCS Engineers
Client Project #: 25217027
Project Name: Highland Plaza
Project Location/State: Milwaukee, WI
Lab Project #:
Sampler: Nate Harms
Lab PM:

Preservative: MeOH | 8
Parameter: VOCs | Dry Weight

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (MeOH)	Dry Weight (8)								Comments
12		GB-6 0-1	6-1-17	1240	2	S	↓	↓								PID = 20.9 ppm
13		GB-6 (2-3)	↓	1300	2	S	↓	↓								18.4 ppm
14		GB-6 (8-10)	↓	1305	2	S	↓	↓								13.5 ppm
15		MW-4 (3.5-5)	↓	1400	2	S	↓	↓								8.9 ppm
16		MW-4 (5-7.5)	↓	1405	2	S	↓	↓								8.9 ppm

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days X 7 Days ___ 10 Days ___ 15 Days ______ Other
Requested Due Date ______

Sample Disposal
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Nate Harms	SCS	6-1-17	1500	[signature]	TA	6/02/17	0955

Lab Courier ☐
Shipped ☑
Hand Delivered ☐

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

ORIGIN ID:JOTA (708) 534-5200
MR. ROBERT LANGDON
SCS ENGINEERS
2830 DAIRY DR

MADISON, WI 53718
UNITED STATES US

SHIP DATE: 25MAY17
ACTWGT: 50.00 LB MAN
CAD: 33264/CAFE3011

TO SAMPLE LOGIN
TESTAMERICA LABS
2417 BOND ST

UNIVERSITY PARK IL 60466
(708) 534-5200
DEPT: PM
REF: S500-63810DM

RMA:

FedEx Express

FedEx
TRK# 0221 6514 8435 2018

FRI - 02 JUN 10:30A
PRIORITY OVERNIGHT

79 JOTA

60466
IL-US ORD

#366300 06/01 546J1/8734/53C1

500-129010 Waybill

48 qt.

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-129010-1

Login Number: 129010
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.9c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-129510-1
Client Project/Site: Highland Plaza - 25217027.01

For:
SCS Engineers
2830 Dairy Dr
Madison, Wisconsin 53718

Attn: Mr. Robert Langdon

Authorized for release by:
6/16/2017 10:54:31 AM

Sandie Fredrick, Project Manager II
(920)261-1660
sandie.fredrick@testamericainc.com

Table of Contents

Case Narrative

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Job ID: 500-129510-1

Laboratory: TestAmerica Chicago

Narrative

Job Narrative
500-129510-1

Comments
Rush turn around time requested by client.

Receipt
The samples were received on 6/13/2017 10:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method(s) 8260B: The laboratory control sample (LCS) for 389536 recovered outside control limits for the following analytes: Naphthalene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Client Sample ID: MW02 — Lab Sample ID: 500-129510-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.69	J	1.0	0.37	ug/L	1		8260B	Total/NA

Client Sample ID: MW03 — Lab Sample ID: 500-129510-2

No Detections.

Client Sample ID: MW04 — Lab Sample ID: 500-129510-3

No Detections.

Client Sample ID: Trip Blank — Lab Sample ID: 500-129510-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.38	J	0.50	0.15	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL CHI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Sample Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-129510-1	MW02	Water	06/12/17 14:40	06/13/17 10:15
500-129510-2	MW03	Water	06/12/17 14:50	06/13/17 10:15
500-129510-3	MW04	Water	06/12/17 15:00	06/13/17 10:15
500-129510-4	Trip Blank	Water	06/12/17 00:00	06/13/17 10:15

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Client Sample ID: MW02
Date Collected: 06/12/17 14:40
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/15/17 12:39	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/17 12:39	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/17 12:39	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/17 12:39	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/17 12:39	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/15/17 12:39	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/17 12:39	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/17 12:39	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/17 12:39	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/15/17 12:39	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/17 12:39	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/17 12:39	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/15/17 12:39	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/17 12:39	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/15/17 12:39	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/17 12:39	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/17 12:39	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/17 12:39	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/17 12:39	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/17 12:39	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/15/17 12:39	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/17 12:39	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/17 12:39	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/17 12:39	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/17 12:39	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/17 12:39	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/17 12:39	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/17 12:39	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/17 12:39	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/17 12:39	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
Naphthalene	<0.34	*	1.0	0.34	ug/L			06/15/17 12:39	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/17 12:39	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/17 12:39	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 12:39	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/17 12:39	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 12:39	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/17 12:39	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/17 12:39	1
Tetrachloroethene	**0.69**	**J**	1.0	0.37	ug/L			06/15/17 12:39	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/17 12:39	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/17 12:39	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/17 12:39	1

Client Sample ID: MW02

Date Collected: 06/12/17 14:40
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/17 12:39	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/17 12:39	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/17 12:39	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/17 12:39	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/15/17 12:39	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/17 12:39	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/15/17 12:39	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/17 12:39	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/17 12:39	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/15/17 12:39	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/17 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/15/17 12:39*	*1*
Dibromofluoromethane	*95*		*75 - 120*		*06/15/17 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*75 - 126*		*06/15/17 12:39*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*06/15/17 12:39*	*1*

Client Sample ID: MW03

Date Collected: 06/12/17 14:50
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/15/17 13:04	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/17 13:04	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/17 13:04	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/17 13:04	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/17 13:04	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/15/17 13:04	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/17 13:04	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/17 13:04	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/17 13:04	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/15/17 13:04	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/17 13:04	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/17 13:04	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/15/17 13:04	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/17 13:04	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/15/17 13:04	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/17 13:04	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/17 13:04	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/17 13:04	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/17 13:04	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/17 13:04	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/15/17 13:04	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/17 13:04	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1

Client Sample ID: MW03

Date Collected: 06/12/17 14:50
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/17 13:04	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/17 13:04	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/17 13:04	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/17 13:04	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/17 13:04	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/17 13:04	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/17 13:04	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/17 13:04	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
Naphthalene	<0.34	*	1.0	0.34	ug/L			06/15/17 13:04	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/17 13:04	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/17 13:04	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 13:04	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/17 13:04	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 13:04	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/17 13:04	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/17 13:04	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/15/17 13:04	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/17 13:04	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/17 13:04	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/17 13:04	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/17 13:04	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/17 13:04	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/17 13:04	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/17 13:04	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/15/17 13:04	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/17 13:04	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/15/17 13:04	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/17 13:04	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/17 13:04	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/15/17 13:04	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/17 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/15/17 13:04*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*06/15/17 13:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*75 - 126*		*06/15/17 13:04*	*1*
Toluene-d8 (Surr)	*105*		*75 - 120*		*06/15/17 13:04*	*1*

Client Sample ID: MW04

Date Collected: 06/12/17 15:00
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/15/17 13:29	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/17 13:29	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/17 13:29	1

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Client Sample ID: MW04
Date Collected: 06/12/17 15:00
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/17 13:29	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/17 13:29	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/15/17 13:29	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/17 13:29	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/17 13:29	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/17 13:29	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/15/17 13:29	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/17 13:29	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/17 13:29	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/15/17 13:29	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/17 13:29	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/15/17 13:29	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/17 13:29	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/17 13:29	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/17 13:29	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/17 13:29	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/17 13:29	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/15/17 13:29	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/17 13:29	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/17 13:29	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/17 13:29	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/17 13:29	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/17 13:29	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/17 13:29	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/17 13:29	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/17 13:29	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/17 13:29	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
Naphthalene	<0.34	*	1.0	0.34	ug/L			06/15/17 13:29	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/17 13:29	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/17 13:29	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 13:29	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/17 13:29	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 13:29	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/17 13:29	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/17 13:29	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/15/17 13:29	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/17 13:29	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/17 13:29	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/17 13:29	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/17 13:29	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/17 13:29	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/17 13:29	1

Client Sample ID: MW04

Lab Sample ID: 500-129510-3

Date Collected: 06/12/17 15:00

Matrix: Water

Date Received: 06/13/17 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/17 13:29	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/15/17 13:29	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/17 13:29	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/15/17 13:29	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/17 13:29	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/17 13:29	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/15/17 13:29	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/17 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*		*06/15/17 13:29*	*1*
Dibromofluoromethane	*96*		*75 - 120*		*06/15/17 13:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*75 - 126*		*06/15/17 13:29*	*1*
Toluene-d8 (Surr)	*101*		*75 - 120*		*06/15/17 13:29*	*1*

Client Sample ID: Trip Blank

Lab Sample ID: 500-129510-4

Date Collected: 06/12/17 00:00

Matrix: Water

Date Received: 06/13/17 10:15

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/15/17 12:14	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/17 12:14	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/17 12:14	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/17 12:14	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/17 12:14	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/15/17 12:14	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/17 12:14	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/17 12:14	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/17 12:14	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/15/17 12:14	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/17 12:14	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/17 12:14	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/15/17 12:14	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/17 12:14	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/15/17 12:14	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/17 12:14	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/17 12:14	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/17 12:14	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/17 12:14	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/17 12:14	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/15/17 12:14	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/17 12:14	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/17 12:14	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/17 12:14	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/17 12:14	1

Client Sample ID: Trip Blank
Date Collected: 06/12/17 00:00
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/17 12:14	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/17 12:14	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/17 12:14	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/17 12:14	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/17 12:14	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
Naphthalene	<0.34	*	1.0	0.34	ug/L			06/15/17 12:14	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/17 12:14	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/17 12:14	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 12:14	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/17 12:14	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 12:14	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/17 12:14	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/17 12:14	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/15/17 12:14	1
Toluene	**0.38**	**J**	0.50	0.15	ug/L			06/15/17 12:14	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/17 12:14	1
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/17 12:14	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/17 12:14	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/17 12:14	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/17 12:14	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/17 12:14	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/15/17 12:14	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/17 12:14	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/15/17 12:14	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/17 12:14	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/17 12:14	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/15/17 12:14	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/17 12:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*72 - 124*		*06/15/17 12:14*	*1*
Dibromofluoromethane	*90*		*75 - 120*		*06/15/17 12:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*75 - 126*		*06/15/17 12:14*	*1*
Toluene-d8 (Surr)	*102*		*75 - 120*		*06/15/17 12:14*	*1*

Definitions/Glossary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

GC/MS VOA

Analysis Batch: 389536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-129510-1	MW02	Total/NA	Water	8260B	
500-129510-2	MW03	Total/NA	Water	8260B	
500-129510-3	MW04	Total/NA	Water	8260B	
500-129510-4	Trip Blank	Total/NA	Water	8260B	
MB 500-389536/6	Method Blank	Total/NA	Water	8260B	
LCS 500-389536/4	Lab Control Sample	Total/NA	Water	8260B	

Surrogate Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	12DCE	TOL
Lab Sample ID	Client Sample ID	(72-124)	(75-120)	(75-126)	(75-120)
500-129510-1	MW02	103	95	118	102
500-129510-2	MW03	103	92	110	105
500-129510-3	MW04	102	96	115	101
500-129510-4	Trip Blank	103	90	101	102
LCS 500-389536/4	Lab Control Sample	102	93	100	105
MB 500-389536/6	Method Blank	101	92	103	100

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane
12DCE = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 500-389536/6
Matrix: Water
Analysis Batch: 389536

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.15		0.50	0.15	ug/L			06/15/17 10:33	1
Bromobenzene	<0.36		1.0	0.36	ug/L			06/15/17 10:33	1
Bromochloromethane	<0.43		1.0	0.43	ug/L			06/15/17 10:33	1
Bromodichloromethane	<0.37		1.0	0.37	ug/L			06/15/17 10:33	1
Bromoform	<0.48		1.0	0.48	ug/L			06/15/17 10:33	1
Bromomethane	<0.80		2.0	0.80	ug/L			06/15/17 10:33	1
Carbon tetrachloride	<0.38		1.0	0.38	ug/L			06/15/17 10:33	1
Chlorobenzene	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
Chloroethane	<0.51		1.0	0.51	ug/L			06/15/17 10:33	1
Chloroform	<0.37		2.0	0.37	ug/L			06/15/17 10:33	1
Chloromethane	<0.32		1.0	0.32	ug/L			06/15/17 10:33	1
2-Chlorotoluene	<0.31		1.0	0.31	ug/L			06/15/17 10:33	1
4-Chlorotoluene	<0.35		1.0	0.35	ug/L			06/15/17 10:33	1
cis-1,2-Dichloroethene	<0.41		1.0	0.41	ug/L			06/15/17 10:33	1
cis-1,3-Dichloropropene	<0.42		1.0	0.42	ug/L			06/15/17 10:33	1
Dibromochloromethane	<0.49		1.0	0.49	ug/L			06/15/17 10:33	1
1,2-Dibromo-3-Chloropropane	<2.0		5.0	2.0	ug/L			06/15/17 10:33	1
1,2-Dibromoethane	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
Dibromomethane	<0.27		1.0	0.27	ug/L			06/15/17 10:33	1
1,2-Dichlorobenzene	<0.33		1.0	0.33	ug/L			06/15/17 10:33	1
1,3-Dichlorobenzene	<0.40		1.0	0.40	ug/L			06/15/17 10:33	1
1,4-Dichlorobenzene	<0.36		1.0	0.36	ug/L			06/15/17 10:33	1
Dichlorodifluoromethane	<0.67		2.0	0.67	ug/L			06/15/17 10:33	1
1,1-Dichloroethane	<0.41		1.0	0.41	ug/L			06/15/17 10:33	1
1,2-Dichloroethane	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
1,1-Dichloroethene	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
1,2-Dichloropropane	<0.43		1.0	0.43	ug/L			06/15/17 10:33	1
1,3-Dichloropropane	<0.36		1.0	0.36	ug/L			06/15/17 10:33	1
2,2-Dichloropropane	<0.44		1.0	0.44	ug/L			06/15/17 10:33	1
1,1-Dichloropropene	<0.30		1.0	0.30	ug/L			06/15/17 10:33	1
Ethylbenzene	<0.18		0.50	0.18	ug/L			06/15/17 10:33	1
Hexachlorobutadiene	<0.45		1.0	0.45	ug/L			06/15/17 10:33	1
Isopropylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
Isopropyl ether	<0.28		1.0	0.28	ug/L			06/15/17 10:33	1
Methylene Chloride	<1.6		5.0	1.6	ug/L			06/15/17 10:33	1
Methyl tert-butyl ether	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
Naphthalene	<0.34		1.0	0.34	ug/L			06/15/17 10:33	1
n-Butylbenzene	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
N-Propylbenzene	<0.41		1.0	0.41	ug/L			06/15/17 10:33	1
p-Isopropyltoluene	<0.36		1.0	0.36	ug/L			06/15/17 10:33	1
sec-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 10:33	1
Styrene	<0.39		1.0	0.39	ug/L			06/15/17 10:33	1
tert-Butylbenzene	<0.40		1.0	0.40	ug/L			06/15/17 10:33	1
1,1,1,2-Tetrachloroethane	<0.46		1.0	0.46	ug/L			06/15/17 10:33	1
1,1,2,2-Tetrachloroethane	<0.40		1.0	0.40	ug/L			06/15/17 10:33	1
Tetrachloroethene	<0.37		1.0	0.37	ug/L			06/15/17 10:33	1
Toluene	<0.15		0.50	0.15	ug/L			06/15/17 10:33	1
trans-1,2-Dichloroethene	<0.35		1.0	0.35	ug/L			06/15/17 10:33	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 500-389536/6
Matrix: Water
Analysis Batch: 389536

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	<0.36		1.0	0.36	ug/L			06/15/17 10:33	1
1,2,3-Trichlorobenzene	<0.46		1.0	0.46	ug/L			06/15/17 10:33	1
1,2,4-Trichlorobenzene	<0.34		1.0	0.34	ug/L			06/15/17 10:33	1
1,1,1-Trichloroethane	<0.38		1.0	0.38	ug/L			06/15/17 10:33	1
1,1,2-Trichloroethane	<0.35		1.0	0.35	ug/L			06/15/17 10:33	1
Trichloroethene	<0.16		0.50	0.16	ug/L			06/15/17 10:33	1
Trichlorofluoromethane	<0.43		1.0	0.43	ug/L			06/15/17 10:33	1
1,2,3-Trichloropropane	<0.41		1.0	0.41	ug/L			06/15/17 10:33	1
1,2,4-Trimethylbenzene	<0.36		1.0	0.36	ug/L			06/15/17 10:33	1
1,3,5-Trimethylbenzene	<0.25		1.0	0.25	ug/L			06/15/17 10:33	1
Vinyl chloride	<0.20		0.50	0.20	ug/L			06/15/17 10:33	1
Xylenes, Total	<0.22		1.0	0.22	ug/L			06/15/17 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*72 - 124*		*06/15/17 10:33*	*1*
Dibromofluoromethane	*92*		*75 - 120*		*06/15/17 10:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*75 - 126*		*06/15/17 10:33*	*1*
Toluene-d8 (Surr)	*100*		*75 - 120*		*06/15/17 10:33*	*1*

Lab Sample ID: LCS 500-389536/4
Matrix: Water
Analysis Batch: 389536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.6		ug/L		101	70 - 120
Bromobenzene	50.0	47.2		ug/L		94	70 - 122
Bromochloromethane	50.0	50.8		ug/L		102	65 - 122
Bromodichloromethane	50.0	49.7		ug/L		99	69 - 120
Bromoform	50.0	46.1		ug/L		92	56 - 132
Bromomethane	50.0	48.0		ug/L		96	40 - 130
Carbon tetrachloride	50.0	41.9		ug/L		84	65 - 122
Chlorobenzene	50.0	50.3		ug/L		101	70 - 120
Chloroethane	50.0	59.4		ug/L		119	45 - 127
Chloroform	50.0	48.6		ug/L		97	70 - 120
Chloromethane	50.0	45.6		ug/L		91	54 - 147
2-Chlorotoluene	50.0	50.3		ug/L		101	70 - 125
4-Chlorotoluene	50.0	50.9		ug/L		102	68 - 124
cis-1,2-Dichloroethene	50.0	47.9		ug/L		96	70 - 125
cis-1,3-Dichloropropene	50.0	55.9		ug/L		112	64 - 127
Dibromochloromethane	50.0	49.5		ug/L		99	68 - 125
1,2-Dibromo-3-Chloropropane	50.0	54.3		ug/L		109	56 - 123
1,2-Dibromoethane	50.0	54.1		ug/L		108	70 - 125
Dibromomethane	50.0	48.5		ug/L		97	70 - 120
1,2-Dichlorobenzene	50.0	50.1		ug/L		100	70 - 125
1,3-Dichlorobenzene	50.0	48.3		ug/L		97	70 - 125
1,4-Dichlorobenzene	50.0	48.8		ug/L		98	70 - 120
Dichlorodifluoromethane	50.0	33.1		ug/L		66	40 - 150
1,1-Dichloroethane	50.0	51.5		ug/L		103	70 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 500-389536/4
Matrix: Water
Analysis Batch: 389536

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloroethane	50.0	51.6		ug/L		103	68 - 127
1,1-Dichloroethene	50.0	44.0		ug/L		88	67 - 122
1,2-Dichloropropane	50.0	54.2		ug/L		108	67 - 130
1,3-Dichloropropane	50.0	55.7		ug/L		111	62 - 136
2,2-Dichloropropane	50.0	41.6		ug/L		83	58 - 129
1,1-Dichloropropene	50.0	49.4		ug/L		99	70 - 121
Ethylbenzene	50.0	51.6		ug/L		103	70 - 120
Hexachlorobutadiene	50.0	54.0		ug/L		108	51 - 150
Isopropylbenzene	50.0	49.6		ug/L		99	70 - 126
Methylene Chloride	50.0	50.7		ug/L		101	69 - 125
Methyl tert-butyl ether	50.0	50.6		ug/L		101	70 - 120
Naphthalene	50.0	72.1	*	ug/L		144	59 - 130
n-Butylbenzene	50.0	50.7		ug/L		101	68 - 125
N-Propylbenzene	50.0	50.5		ug/L		101	69 - 127
p-Isopropyltoluene	50.0	49.3		ug/L		99	70 - 125
sec-Butylbenzene	50.0	50.9		ug/L		102	70 - 123
Styrene	50.0	52.1		ug/L		104	70 - 120
tert-Butylbenzene	50.0	48.8		ug/L		98	70 - 121
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 125
1,1,2,2-Tetrachloroethane	50.0	57.3		ug/L		115	67 - 127
Tetrachloroethene	50.0	48.3		ug/L		97	70 - 128
Toluene	50.0	53.2		ug/L		106	70 - 125
trans-1,2-Dichloroethene	50.0	46.4		ug/L		93	70 - 125
trans-1,3-Dichloropropene	50.0	53.3		ug/L		107	62 - 128
1,2,3-Trichlorobenzene	50.0	69.6		ug/L		139	55 - 140
1,2,4-Trichlorobenzene	50.0	61.3		ug/L		123	66 - 127
1,1,1-Trichloroethane	50.0	42.3		ug/L		85	70 - 125
1,1,2-Trichloroethane	50.0	55.0		ug/L		110	70 - 122
Trichloroethene	50.0	47.8		ug/L		96	70 - 125
Trichlorofluoromethane	50.0	50.0		ug/L		100	70 - 126
1,2,3-Trichloropropane	50.0	56.0		ug/L		112	50 - 133
1,2,4-Trimethylbenzene	50.0	50.9		ug/L		102	70 - 123
1,3,5-Trimethylbenzene	50.0	51.1		ug/L		102	70 - 123
Vinyl chloride	50.0	50.0		ug/L		100	64 - 126
Xylenes, Total	100	102		ug/L		102	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*72 - 124*
Dibromofluoromethane	*93*		*75 - 120*
1,2-Dichloroethane-d4 (Surr)	*100*		*75 - 126*
Toluene-d8 (Surr)	*105*		*75 - 120*

Lab Chronicle

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Client Sample ID: MW02
Date Collected: 06/12/17 14:40
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	389536	06/15/17 12:39	JJH	TAL CHI

Client Sample ID: MW03
Date Collected: 06/12/17 14:50
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	389536	06/15/17 13:04	JJH	TAL CHI

Client Sample ID: MW04
Date Collected: 06/12/17 15:00
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	389536	06/15/17 13:29	JJH	TAL CHI

Client Sample ID: Trip Blank
Date Collected: 06/12/17 00:00
Date Received: 06/13/17 10:15

Lab Sample ID: 500-129510-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	389536	06/15/17 12:14	JJH	TAL CHI

Laboratory References:

TAL CHI = TestAmerica Chicago, 2417 Bond Street, University Park, IL 60484, TEL (708)534-5200

Accreditation/Certification Summary

Client: SCS Engineers
Project/Site: Highland Plaza - 25217027.01

TestAmerica Job ID: 500-129510-1

Laboratory: TestAmerica Chicago

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Wisconsin	State Program	5	999580010	08-31-17

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-129510

Chain of Custody Number:

Page _____ of _____

Temperature °C of Cooler: 4.8

500-129510 COC

Report To (optional)	Bill To (optional)
Contact: Rob Langdon	Contact:
Company: SCS	Company:
Address: 2830 Dairy Dr	Address:
Address: Madison WI 53718	Address:
Phone: 608 216 7329	Phone:
Fax:	Fax:
E-Mail: rlangdon@scsengineers.com	PO#/Reference#

Client	Client Project #
SCS Engineers	25217027.01
Project Name	Lab Project #
Highland Plaza	
Project Location/State	Lab PM
Menomonee Falls WI	
Sampler	
Zach Watson	

Preservative: 1

Parameter: VOC

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOC	Comments
1		MW02	6.12.17	1440	3	W	X	
2		MW03	6.12.17	1450	3	W	X	
3		MW04	6.12.17	1500	3	W	X	
4		Trip Blank	6.12.17		1	W	X	

Turnaround Time Required (Business Days)

___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days ___ Other

Requested Due Date _____

Sample Disposal

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Zach Watson	SCS	6.12.17	1510		TA	6-12-17	1510
	TA	6-12-17	1600		TA	06/13/17	1015

Lab Courier ☐

Shipped ✓

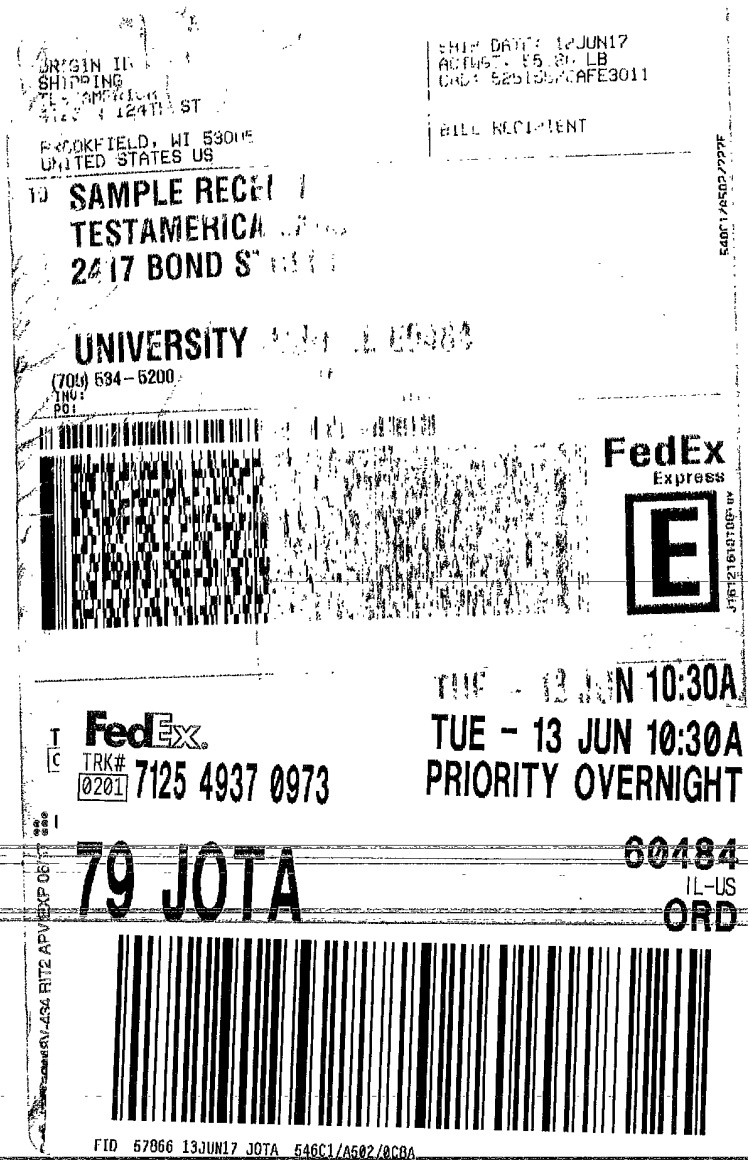
Hand Delivered ☐

Matrix Key

WW – Wastewater	SE – Sediment
W – Water	SO – Soil
S – Soil	L – Leachate
SL – Sludge	WI – Wipe
MS – Miscellaneous	DW – Drinking Water
OL – Oil	O – Other
A – Air	

Client Comments

Lab Comments:



500-129510 Waybill

Login Sample Receipt Checklist

Client: SCS Engineers

Job Number: 500-129510-1

Login Number: 129510
List Number: 1
Creator: Kelsey, Shawn M

List Source: TestAmerica Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.8c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

CD with Electronic Copy of Site Investigation Report/Remedial Action Plan