OBG

FINAL REPORT

Groundwater IRM
1st Quarter 2017
Groundwater Monitoring Report

GE Aviation
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1st Quarter 2017
Groundwater Monitoring Report

Evendale, Ohio

Prepared for:
GE Aviation

May 2017

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O'Brien & Gere Engineers, Inc.

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1. INTRODUCTION

O'Brien & Gere Engineers, Inc. (OBG) has prepared this report on behalf of the General Electric Company (GE) to present the results of groundwater monitoring activities conducted during January through March 2017 (herein referred to as First Quarter 2017) at the GE Aviation facility (Facility) located in Evendale, Ohio. The quarterly monitoring event was conducted in accordance with the approach and methods outlined in the 2010 *IRM Performance Monitoring Plan* (PMP) prepared by OBG (OBG, 2010).

Groundwater monitoring was conducted to monitor the temporal effect on groundwater conditions of a groundwater Interim Remedial Measure (IRM). The groundwater IRM, which includes the operation of seven groundwater extraction wells and a groundwater treatment plant (GWTP), has been installed on the southern portion of the Facility, within an area known as the former Air Force Plant 36 (AFP 36) (**Figure 1**). The groundwater IRM was initiated under a Resource Conservation and Recovery Act (RCRA) Corrective Action Permit with the objective of mitigating off-site migration of compounds of potential concern (COPCs), while minimizing the risk of cross-contamination between water-bearing units and/or reducing the effectiveness of biodegradation processes.

Groundwater monitoring data are evaluated and reported after each quarterly sampling event, including evaluations of quality assurance, cross-contamination potential, and significant short-term anomalies. A summary of the performance monitoring assessment for First Quarter 2017, including responses to the key study questions outlined in the PMP, is provided in **Table 1**. Relevant details from the First Quarter 2017 event are provided herein. Long-term trends and overall remediation progress will be evaluated and reported annually, at the end of each year.

2. METHODS

The groundwater monitoring network (**Figure 1**) consists of a total of 115 wells completed in three water-bearing units (Perched Zone, Upper Sand and Gravel [USG], and Lower Sand and Gravel [LSG]). Currently, this network is primarily utilized to support two programs: 1) the PMP, for monitoring of IRM performance, and 2) semiannual monitoring of site-wide water quality and volatile organic compound (VOC) attenuation.

As outlined in the PMP, the general scope of groundwater monitoring activities includes:

- Groundwater level monitoring using manual measurements, as well as pressure transducer measurements as outlined in the PMP. Monitoring was conducted using a total of 66 wells completed in the Perched Zone (21 wells), USG (23 wells), and LSG (22 wells). **Table 2** identifies the wells utilized for groundwater level monitoring.
- Groundwater quality sampling using passive diffusion bag samplers (PDBs) for analysis of VOCs and *in situ* field bioparameters (*e.g.,* dissolved oxygen [DO] and oxidation-reduction potential [ORP]), in accordance with the PMP. Groundwater samples were collected from a total of 44 wells completed in the Perched Zone (12 wells), USG (17 wells), and LSG (15 wells) (**Table 3**).
- Monthly sampling of groundwater from actively pumping extraction wells for analysis of VOCs.
- Evaluation of data from groundwater level and quality monitoring, including statistical analysis to assess hydrogeologic conditions of stability (equilibrium) and potential cross-contamination between the water-bearing units.

Well completion data for groundwater level and quality monitoring are summarized in **Tables 2** and **3**, respectively. Methods and procedures for groundwater monitoring were conducted in accordance with the U.S. Environmental Protection Agency (USEPA) approved *Sampling and Analysis Plan* (SAP) (OBG, 2009) and the PMP. Additional details on field methods are provided in *Groundwater IRM, Quarterly Groundwater Monitoring Report – 3rd Qtr – 2012* (OBG, 2013a) and *Groundwater IRM, Quarterly Groundwater Monitoring Report – 4th Qtr – 2012, Annual Summary – 2012* (OBG, 2013b).

Field quality control (QC) samples included trip blanks, field duplicates, and matrix spike/matrix spike duplicates (MS/MSDs). The QC samples were prepared in accordance with Section 3.3 of the SAP, using the frequencies specified in the *Quality Assurance Project Plan* (QAPP) tables contained in the SAP. Laboratory QA measures are identified in the SAP.

3. SUMMARY OF MONITORING RESULTS

Groundwater monitoring during the First Quarter 2017 consisted of the collection and analysis of groundwater level and quality data to evaluate the occurrence of cross-contamination and significant short-term anomalies. A summary of the performance monitoring assessment is presented in **Table 1** and additional details are provided below.

An electronic copy of the laboratory analytical report is included in the attached CD. The First Quarter 2017 laboratory analytical results for VOCs underwent Level A data review and verification by OBG (**Appendix A**).

3.1 GROUNDWATER PUMPING SYSTEM

- During the First Quarter 2017 the overall IRM system average flow rate was 150 gallons per minute (gpm) and the run-time was approximately 91.3%. Extraction well EW-3D was re-developed using Boreblast® method and glycolic acid in February 2017. Extraction well average flow rates for the First Quarter 2017 include:
  - Perched Zone – 13 gpm (EW-2P) to 23 gpm (EW-5P)
  - USG – 4 gpm (EW-7S)
  - LSG – 30 gpm (EW-3D) and 46 gpm (EW-8D).
- The GWTP was operational for most of the First Quarter 2017; however, the system was shut down from March 6, 2017 through March 10, 2017 due to an unrelated shutdown of flow at the NPDES outfall.

3.2 GROUNDWATER ELEVATIONS

- Groundwater elevation data were used to create hydrographs (**Figures 5 through 7**) and calculate vertical hydraulic gradients between select nested wells for trend and statistical analyses. The results of these analyses were used to evaluate the potential occurrence of cross-contamination between water-bearing units and equilibrium conditions (as summarized in **Table 1**) as well as estimate the capture zone of each extraction well (**Figures 2 through 4**).

3.3 GROUNDWATER QUALITY

- Groundwater quality data for First Quarter 2017 are provided in **Table 4**. Groundwater quality data were summarized via time-series analyses for individual and nested monitoring wells (**Figures 8 through 10**). In addition, statistical analyses were conducted to assess pumping risk associated with vertical and/or lateral cross-contamination (**Table 5**). Groundwater quality data and associated intrawell statistical analyses do not show significant trends or triggers in VOC concentrations indicative of cross-contamination. The following differences from prior results are highlighted:
  - AF-19S showed an increase in concentration of vinyl chloride (VC) (20 µg/l) from 14 µg/l, during this quarterly event continuing an increasing trend for the last three quarters.
  - OSMW-1S showed an increase in concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) (720 µg/l) and VC (660 µg/l) from 440 µg/l and 530 µg/l, respectively, during this quarterly event.
  - TMW-1S showed an increase in concentrations of cis-1,2-DCE (25 µg/l) and VC (58 µg/l) from 13 µg/l and 40 µg/l, respectively, during this quarterly event. The OSMW-1S and TMW-1S changes will continue to be monitored to determine whether they represent a potential cross-contamination issue.
  - OSMW-3D (trichloroethene [TCE] and cis-1,2-DCE) and OSWM-6D (VC) remain elevated; however, the rate of change is less than over previous quarters, and will continue to be monitored.
  - TMW-2D showed an increase in cis-1,2-DCE (660 µg/l) concentration from 570 µg/l in the last quarterly event and remains elevated, and will continue to be monitored.

- Groundwater quality data for extraction wells and IRM system influent samples indicate steady or decreasing concentrations of chlorinated volatile organic compounds (CVOCs) (**Figure 11**) with the exceptions of:
  - The increase in TCE and 1,1,1-TCA concentrations in the IRM system influent sample data during the First Quarter 2017 are a result of an increase in TCE and 1,1,1-TCA concentrations in EW-2P. This increase is a result of reduced pumping rates within the Perched Zone extraction wells, and EW-2P in particular.

4. REFERENCES

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Tables

	PRIMARY DATA GROUP	KEY QUESTIONS	YES	NO	COMMENTS
	Hydrographs/Trends	Significant trends identified?[1]	√		Groundwater levels increased overall in the Perched, USG, and LSG due to seasonal effects. The greatest increase occurred after March 28, 2017 due to the rain event on March 28, 2017, then stabilized or decreased slightly.
		Perched	√		Noticeable rise in water levels due to heavy rainfall events on January 17 - 18, and March 28, 2017.
		USG	√		
		LSG	√		
	Vertical Gradients	Active pumping maintaining gradient reversal?		√	No for the following wells: AF-4P/S; AF-11S/D and OSMW-4S/D - due to reduction in EW-7S pumping.
		Statistically significant increasing (downward vertical) trends?[1]		√	No, except the correlation between the background water levels (GM-9 series) in the USG and LSG are affected by greater response in the USG than the LSG to rainfall (*i.e.* , USG water levels increased greater than the LSG water levels).
	Equilibrium/Capture Zones	**Steady state/equilibrium maintained?**	√		Slight decrease in drawdowns in the Perched in response to shut down of EW-2P and EW-4P from January 1 through February 22, 2017, and in LSG in response to the cycling of EW-3D.
		Capture zone maintained at or near design?	√		Except for USG where capture zone is smaller than designed; also slight reduction in EW-3D capture zone due to cycling, but still greater than designed.
GROUNDWATER QUALITY					
	Chemical Trends	Significant trends identified?			
		Perched		√	AF-4P TCA, TCE, and cis-1,2-DCE increased; AF-25P TCA, 1,1-DCE, and TCE increased - increases associated with plume movement within the system capture zone.
		USG		√	AF-19S VC increased, as it has for the last three quarters; OSMW-1S cis-1,2-DCE and VC incresased and remain elevated; OSMW-11S TCE and cis-1,2-DCE increased; TMW-1S cis-1,2-DCE and VC increased - these wells will continue to be monitored closely.
		LSG		√	OSMW-3D TCE and cis-1,2-DCE increased; OSMW-6D cis-1,2-DCE and VC increased; TMW 2D cis-1,2-DCE increased and remains elevated.
		Field bioparameters - indicative of cross-contamination?		√	
		Field bioparameters - reduced biodegradation effectiveness?		√	AF-5P, AF-13P, AF-13S, AF-25P, OSMW-1P, OSMW-3D, OSMW-6D, OSMW-10P, OSMW-10S, PMW-4D, and TMW-1P - DO and/or ORP increased; ORP and pH generally increased continue to monitor.
	Vertical Cross-Contamination	**Nested wells - vertical cross-contamination?**		√	
	Lateral Cross-Contamination	**Potential off-site sources inhibiting remediation?**		√	
	Influent Concentrations	Significant trends identified?[1]		√	EW-2P exhibited increasing TCE concentrations causing an increasing TCE Group trend. EW-6P exhibited increasing TCA and TCE concentrations causing increasing TCA Group and TCE Group trends. Increasing trends in the Perched are likely caused by reduced overall Perched pumping rates.
		Statistical trends - Stable (no significant trends)?	√		Statistical trends for TCA Group in EW-7S and trans-1,2-DCE in EW-8D are based on trace level detections and are not of concern.
		Is continued pumping beneficial?	√		
		Statistical trends - Decreasing (significant negative trend)?	√		
		Optimize or re-evaluate?		√	Except for EW-7S and EW-8D

Note
Key questions in **BOLD** are PMP Problem Study Questions
1 - Statistical data analysis including trend analysis is conducted on the quarterly data; however, the backup for these analyses are only provided in the Annual Summary reports
2 - "Elevated" is relative to either recent or historical values

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer[3]	Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[4]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched														
	AF-2P	AF-2P	AF-2P		456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P		456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
	AF-4P	AF-4P		T	456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
	AF-5P	AF-5P	AF-5P		455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
	AF-6P	AF-6P			456059.85	1417402.52	559.80	561.68	2.00	27.70	532.10	32.70	527.10	35.34
	AF-7P	AF-7P	AF-7P	T	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
	AF-10P	AF-10P			456127.64	1416977.53	559.90	561.48	2.00	17.40	542.50	22.40	537.50	23.68
	AF-12P	AF-12P			456295.77	1416183.22	574.20	575.05	2.00	14.50	559.70	19.50	554.70	20.78
	AF-13P	AF-13P			456494.02	1416526.13	565.40	566.82	2.00	35.37	530.03	45.37	520.03	32.45
		AF-14P			456528.73	1416790.19	559.53	558.54	2.00	17.50	542.03	27.50	532.03	28.92
	AF-24P		AF-24P		456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40
	AF-25P	AF-25P	AF-25P	T	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
	AF-26P				456122.18	1417674.94	558.30	557.78	2.00	30.96	527.34	40.96	517.34	35.44
			AOC LDMW-1S		457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
			AOC PSTMW-1SR		459022.76	1417784.33	556.91	556.60	2.00	18.00	538.91	28.00	528.91	28.00
			AOC PSTMW-2S		458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
	GM-3P				457074.62	1418304.17	559.50	559.24	2.00	19.30	540.20	29.30	530.20	29.3[4]
	GM-9P	GM-9P		T	457104.10	1417217.11	560.30	559.95	2.00	18.00	542.30	28.00	532.30	27.65
			H-221		454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
	OSMW-1P	OSMW-1P	OSMW-1P	T	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
	OSMW-2P	OSMW-2P	OSMW-2P		455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
	OSMW-10P	OSMW-10P		T	455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
	OSMW-11P	OSMW-11P			455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
	OSMW-12P				455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
	OW-1P				455883.50	1417685.55	559.42	559.75	2.00	30.00	529.42	35.00	524.42	35[4]
	PMW-3P	PMW-3P		T	455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
	PMW-5P	PMW-5P			1417293.42	455489.81	559.11	558.71	2.00	20.15	538.96	30.15	528.96	29.75
	PMW-6P	PMW-6P			1417456.08	455769.69	561.50	561.10	2.00	28.57	532.93	38.57	522.93	38.17
	TMW-1P	TMW-1P		T	455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84
	TMW-2P	TMW-2P			455595.65	1416931.21	556.94	559.71	2.00	28.50	528.44	33.50	523.44	38.45

Notes:
1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
2) Semiannual sampling occurs in the second and fourth quarters.
3) T = Transducer; Blank = Manual.
4) 'ft bTOC' = Feet Below Top of Casing; Total depths for the following wells GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D are measured from ground surface.
5) 'ft bgs' = Feet Below Ground Surface.
6) 'ft msl' = Feet Relative to Mean Sea Level.

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer[3]	Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[4]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
USG														
	AF-4S	AF-4S		T	456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
	AF-5S	AF-5S	AF-5S		455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
	AF-6S	AF-6S			456056.40	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
	AF-7S	AF-7S	AF-7S	T	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
	AF-8S	AF-8S			455524.80	1417088.16	559.10	561.08	2.00	50.00	509.10	50.00	499.10	60.00
	AF-9S	AF-9S	AF-9S	T	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
	AF-10S	AF-10S			456134.19	1416979.21	559.90	561.98	2.00	61.00	498.90	71.00	488.90	67.75
	AF-11S	AF-11S		T	456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
	AF-12S	AF-12S			456295.87	1416186.19	574.00	575.41	2.00	64.00	510.00	74.00	500.00	72.31
	AF-13S	AF-13S			456488.94	1416522.95	565.20	567.91	2.00	46.50	518.70	56.50	508.70	56.5[4]
	AF-14S	AF-14S			456526.22	1416788.87	559.50	558.56	2.00	56.50	503.00	66.50	493.00	66.5[4]
	AF-19S	AF-19S		T	455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
	AF-20S	AF-20S			455927.77	1416940.35	559.80	562.47	2.00	59.00	500.80	69.00	490.80	71.57
	GM-9S	GM-9S		T	457108.81	1417214.23	561.00	560.13	2.00	43.00	518.00	53.00	508.00	52.09
	OSMW-1S	OSMW-1S	OSMW-1S	T	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
	OSMW-3S	OSMW-3S	OSMW-3S	T	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
	OSMW-4S	OSMW-4S	OSMW-4S	T	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
			OSMW-5S		453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
			OSMW-6S		455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
			OSMW-8S		454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
	OSMW-9S	OSMW-9SR			455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
	OSMW-10S	OSMW-10S		T	455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
	OSMW-11S	OSMW-11S			455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
	PMW-3S	PMW-3S		T	455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
	TMW-1S	TMW-1S	TMW-1S	T	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
	TMW-2S	TMW-2S	TMW-2S		455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

Notes:
1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
2) Semiannual sampling occurs in the second and fourth quarters.
3) T = Transducer; Blank = Manual.
4) 'ft bTOC' = Feet Below Top of Casing; Total depths for the following wells GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D are measured from ground surface.
5) 'ft bgs' = Feet Below Ground Surface.
6) 'ft msl' = Feet Relative to Mean Sea Level.

Water-Bearing Zone	Well ID - Groundwater Level Monitoring			Transducer[3]	Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[4]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]							Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
LSG														
	AF-1D				456927.14	1417977.19	559.80	559.78	4.00	108.00	451.80	118.00	441.80	118.00
	AF-5D		AF-5D		455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.1
	AF-7D	AF-7D	AF-7D	T	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77
	AF-8D				455517.69	1417091.88	559.00	560.73	4.00	86.00	473.00	96.00	463.00	93.72
	AF-9D	AF-9D		T	455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30
	AF-11D	AF-11D		T	456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79
	AF-12D	AF-12D			456297.35	1416191.94	573.30	575.45	4.00	102.00	471.30	112.00	461.30	111.85
	AF-15D	AF-15D			456991.44	1416851.88	559.80	560.95	4.00	103.00	456.80	113.00	446.80	112.86
	AF-16D				457003.87	1417280.19	560.40	561.83	4.00	91.00	469.40	101.00	459.40	102.57
	AF-17D	AF-17D			456484.75	1417467.78	560.30	561.37	4.00	90.00	470.30	100.00	460.30	99.48
	AF-19D	AF-19D		T	455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40
	AF-20D	AF-20D			455933.76	1416941.09	559.80	562.52	2.00	81.10	478.70	91.10	468.70	93.56
	AF-21D	AF-21D	AF-21D		455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11
	GM-3D				457163.25	1418266.08	560.80	562.47	4.00	138.00	422.80	148.00	412.80	148.00
	GM-5D				457241.00	1416754.00	562.00	564.07	4.00	126.43	455.57	116.43	445.57	116.75[4]
	GM-9D	GM-9D		T	457107.93	1417219.35	561.00	560.06	4.00	100.00	461.00	110.00	451.00	109.30
	H-223	H-223			454519.10	1417253.00	555.00	555.60	2.00	154.50	400.50	164.50	390.50	161.51
	OSMW-1D	OSMW-1D	OSMW-1D	T	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75
	OSMW-3D	OSMW-3D	OSMW-3D	T	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31
	OSMW-4D	OSMW-4D	OSMW-4D	T	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94
			OSMW-5D		452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72
	OSMW-6D	OSMW-6D	OSMW-6D		455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20
	OSMW-7D	OSMW-7D	OSMW-7D		456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80
			OSMW-8D		454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20
	OSMW-9D	OSMW-9D			455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60
	OSMW-10D	OSMW-10D		T	455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63
	OSMW-11D				455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
	OSMW-11DD				455459.02	1418006.62	552.04	551.68	2.00	140.00	412.04	150.00	402.04	149.83
	OSMW-12D				455880.20	1418333.14	553.66	553.29	2.00	123.00	430.66	133.00	420.66	133.76
	OSMW-12DD				455880.36	1418333.21	553.66	553.18	2.00	141.00	412.66	151.00	402.66	149.20
	OSMW-13D				455241.33	1417853.92	552.03	551.82	2.00	96.00	456.03	106.00	446.03	103.65
	OSMW-13DD				455241.62	1417854.06	552.03	551.70	2.00	142.00	410.03	152.00	400.03	151.84
	OW-3D				455360.77	1417112.74	557.72	557.43	2.00	135.00	422.72	140.00	417.72	140[4]
	OW-4D				455422.91	1417165.94	559.68	559.41	2.00	135.00	424.68	140.00	419.68	140[4]
	PMW-2D	PMW-2D			456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D		T	455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D			456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
	TMW-1D		TMW-1D		455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D		455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32

Notes:
1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
2) Semiannual sampling occurs in the second and fourth quarters.
3) T = Transducer; Blank = Manual.
4) 'ft bTOC' = Feet Below Top of Casing; Total depths for the following wells GM-3P, OW-1P, AF-13S, AF-14S, GM-5D, OW-3D, OW-4D are measured from ground surface.
5) 'ft bgs' = Feet Below Ground Surface.
6) 'ft msl' = Feet Relative to Mean Sea Level.

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[3]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
Perched													
			AF-2P	456379.19	1418008.71	562.10	563.39	2.00	28.00	534.10	33.00	529.10	34.46
			AF-3P	456297.40	1417884.19	560.40	561.82	2.00	21.00	539.40	31.00	529.40	32.42
	AF-4P	AF-4P		456180.93	1417877.42	560.40	561.90	2.00	24.50	535.90	34.50	525.90	36.21
		AF-5P	AF-5P	455882.90	1417831.43	559.80	561.22	2.00	28.00	531.80	33.00	526.80	34.75
	AF-7P	AF-7P	AF-7P	455478.24	1417577.30	559.80	561.21	2.00	31.50	528.30	36.50	523.30	37.43
	AF-13P	AF-13P		456494.02	1416526.13	565.40	566.82	2.00	35.37	530.03	45.37	520.03	32.45
			AF-24P	456451.17	1417576.18	559.82	558.89	2.00	26.23	533.59	36.23	523.59	35.40
	AF-25P	AF-25P	AF-25P	456074.92	1417500.43	558.40	558.08	2.00	23.27	535.13	33.27	525.13	33.10
			AOC LDMW-1S	457924.00	1417429.00	556.20	555.81	2.00	13.29	542.91	23.29	532.91	22.90
			AOC PSTMW-1SR	459022.76	1417784.33	556.91	556.60	2.00	18.00	538.91	28.00	528.91	28.00
			AOC PSTMW-2S	458993.37	1417998.15	559.90	559.70	2.00	18.50	541.40	28.50	531.40	24.50
			H-221	454547.97	1417264.66	554.70	554.37	2.00	20.00	534.70	30.00	524.70	28.65
		OSMW-1P	OSMW-1P	455078.23	1417736.02	551.50	554.09	2.00	20.00	531.50	30.00	521.50	32.53
			OSMW-2P	455601.82	1417822.50	554.80	557.01	2.00	27.00	527.80	37.00	517.80	38.87
		OSMW-10P		455020.27	1417400.34	555.82	558.57	2.00	20.00	535.82	30.00	525.82	32.57
		OSMW-11P		455459.30	1418006.45	552.04	551.71	2.00	13.00	539.04	23.00	529.04	22.93
		OSMW-12P		455880.25	1418332.91	553.66	553.35	2.00	14.70	538.96	24.70	528.96	24.63
		OSMW-13P		455241.47	1417854.22	552.03	551.75	2.00	22.00	530.03	32.00	520.03	32.45
	PMW-3P	PMW-3P		455249.65	1417470.90	557.41	560.10	2.00	16.00	541.41	26.00	531.41	29.07
	TMW-1P	TMW-1P		455737.69	1417702.75	559.77	562.12	2.00	22.00	537.77	32.00	527.77	33.84

Notes:
1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
2) Semiannual sampling occurs in the second and fourth quarters.
3) 'ft bTOC' = Feet Below Top of Casing; Total depth for AF-13S is measured from ground surface.
4) 'ft bgs' = Feet Below Ground Surface.
5) 'ft msl' = Feet Relative to Mean Sea Level.

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[3]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
USG													
	AF-4S	AF-4S		456183.67	1417879.81	560.30	562.22	2.00	43.00	517.30	53.00	507.30	54.03
		AF-5S	AF-5S	455887.32	1417833.15	559.60	561.60	2.00	41.00	518.60	51.00	508.60	51.92
	AF-6S	AF-6S		456056.4	1417402.71	560.10	562.67	2.00	41.00	519.10	51.00	509.10	52.80
	AF-7S	AF-7S	AF-7S	455482.27	1417577.68	559.70	562.02	2.00	45.00	514.70	55.00	504.70	56.68
	AF-9S	AF-9S	AF-9S	455790.53	1416793.04	562.00	564.19	2.00	50.00	512.00	60.00	502.00	61.75
	AF-11S	AF-11S		456094.23	1416577.99	564.70	565.20	2.00	53.00	511.70	63.00	501.70	63.27
	AF-13S	AF-13S		456488.94	1416522.95	565.20	567.91	2.00	45.60	519.60	55.60	509.60	55.6[3]
	AF-19S	AF-19S		455823.23	1417037.78	561.60	563.87	2.00	52.40	509.20	62.40	499.20	64.65
	OSMW-1S	OSMW-1S	OSMW-1S	455082.59	1417738.59	551.50	554.14	2.00	41.00	510.50	51.00	500.50	52.84
	OSMW-3S	OSMW-3S	OSMW-3S	455309.01	1417107.64	557.10	559.91	2.00	54.00	503.10	64.00	493.10	66.60
	OSMW-4S	OSMW-4S	OSMW-4S	456144.10	1416386.57	565.50	565.10	2.00	65.00	500.50	75.00	490.50	75.84
			OSMW-5S	453589.27	1416137.49	576.70	576.44	2.00	63.80	512.90	73.80	502.90	73.54
			OSMW-6S	455149.40	1416267.11	586.61	586.38	2.00	80.00	506.61	90.00	496.61	88.78
			OSMW-8S	454625.51	1415147.34	584.64	584.33	2.00	77.41	507.23	87.41	497.23	86.70
		OSMW-9SR		455705.63	1415409.73	594.66	594.37	2.00	88.80	505.86	98.80	495.86	101.30
		OSMW-10S		455019.93	1417400.39	555.82	558.59	2.00	47.20	508.62	57.20	498.62	58.20
		OSMW-11S		455459.42	1418006.57	552.04	551.64	2.00	37.25	514.79	47.25	504.79	47.20
	PMW-3S	PMW-3S		455249.82	1417470.89	557.41	560.12	2.00	44.80	512.61	54.80	502.61	57.40
	TMW-1S	TMW-1S	TMW-1S	455739.88	1417703.19	559.78	561.63	2.00	48.30	511.48	58.30	501.48	59.75
	TMW-2S	TMW-2S	TMW-2S	455597.25	1416929.92	557.01	560.15	2.00	40.00	517.01	50.00	507.01	53.08

Notes:
1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
2) Semiannual sampling occurs in the second and fourth quarters.
3) 'ft bTOC' = Feet Below Top of Casing; Total depth for AF-13S is measured from ground surface.
4) 'ft bgs' = Feet Below Ground Surface.
5) 'ft msl' = Feet Relative to Mean Sea Level.

Water-Bearing Zone	Well ID - VOC Sampling			Northing (feet)	Easting (feet)	Ground Surface Elev (ft msl)	TOC Elevation (ft msl)	Inner Casing Diameter (inches)	Well Screen				Total Depth (ft bTOC)[3]
	Hydraulic Control Monitoring	Progress Monitoring[1]	Semiannual Monitoring[2]						Top (ft bgs)	Top (ft msl)	Bottom (ft bgs)	Bottom (ft msl)	
LSG													
			AF-5D	455889.87	1417834.37	559.50	561.66	2.00	100.00	459.50	110.00	449.50	108.10
	AF-7D	AF-7D	AF-7D	455489.28	1417578.92	559.70	561.23	4.00	109.00	450.70	119.00	440.70	118.77
	AF-9D			455794.33	1416786.95	562.20	563.93	4.00	78.00	484.20	88.00	474.20	93.30
	AF-11D	AF-11D		456087.97	1416583.70	564.90	566.27	4.00	92.00	472.90	102.00	462.90	101.79
	AF-19D	AF-19D		455818.36	1417039.55	561.70	564.10	2.00	81.20	480.50	91.20	470.50	93.40
			AF-21D	455941.03	1416777.12	560.00	559.61	2.00	80.00	480.00	90.00	470.00	90.11
	OSMW-1D	OSMW-1D	OSMW-1D	455082.67	1417738.40	551.10	554.16	2.00	80.00	471.10	90.00	461.10	92.75
	OSMW-3D	OSMW-3D	OSMW-3D	455309.10	1417107.28	557.10	559.91	2.00	131.00	426.10	141.00	416.10	143.31
	OSMW-4D	OSMW-4D	OSMW-4D	456143.93	1416386.96	565.50	565.14	2.00	127.00	438.50	137.00	428.50	135.94
			OSMW-5D	452875.51	1416398.42	560.53	560.25	2.00	121.00	439.53	131.00	429.53	130.72
		OSMW-6D	OSMW-6D	455147.40	1416265.11	586.38	586.08	2.00	149.77	436.61	159.77	426.61	162.20
			OSMW-7D	456711.82	1415686.05	592.44	592.09	2.00	141.00	451.44	151.00	441.44	148.80
			OSMW-8D	454625.45	1415147.03	584.64	584.34	2.00	175.30	409.34	185.30	399.34	187.20
	OSMW-9D	OSMW-9D		455705.86	1415409.84	594.66	594.39	2.00	166.00	428.66	176.00	418.66	175.60
	OSMW-10D	OSMW-10D		455020.11	1417400.16	555.82	558.61	2.00	130.00	425.82	140.00	415.82	142.63
		OSMW-11D		455459.26	1418006.71	552.04	551.72	2.00	81.00	471.04	91.00	461.04	90.30
		PMW-2D		456024.30	1417902.40	560.05	562.47	2.00	125.00	435.05	135.00	425.05	139.70
	PMW-3D	PMW-3D		455249.80	1417471.07	557.41	560.04	2.00	126.00	431.41	136.00	421.41	139.75
	PMW-4D	PMW-4D		456424.32	1416617.44	564.33	567.25	2.00	130.00	434.33	140.00	424.33	142.51
		TMW-1D	TMW-1D	455740.26	1417702.92	559.78	562.02	2.00	94.30	465.48	104.30	455.48	106.45
	TMW-2D	TMW-2D	TMW-2D	455597.15	1416930.07	557.01	559.86	2.00	117.30	439.71	127.30	429.71	129.32

Notes:
1) Quarterly Progress Monitoring in the Perched, USG, and LSG.
2) Semiannual sampling occurs in the second and fourth quarters.
3) 'ft bTOC' = Feet Below Top of Casing; Total depth for AF-13S is measured from ground surface.
4) 'ft bgs' = Feet Below Ground Surface.
5) 'ft msl' = Feet Relative to Mean Sea Level.

Table 4 - Summary of Groundwater Sampling Results (1Q-17) - Detected Parameters Only

Location		AF-11D	AF-11S	AF-13P	AF-13S	AF-19D	AF-19S	AF-25P	AF-4P	AF-4S
Sample Date		2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/22/2017	2/20/2017	2/20/2017	2/20/2017	2/20/2017
FIELD PARAMETERS	**units**									
pH	S.U.	7.87	8.49	7.60	10.90	7.67	8.02	7.50	7.35	7.94
Conductivity (mS/cm)	mS/cm	0.560	0.792	0.356	0.266	0.724	0.974	2.344	1.137	1.204
DO (mg/L)	mg/L	NM	0.39	0.63	4.19	NM	0.96	1.32	0.68	0.64
Temperature (oC)	Deg C	15.64	15.59	11.93	16.25	15.75	15.65	18.56	16.20	14.98
ORP (mV)	mV	-189.5	-165.9	77.8	39.0	-173.2	-169.5	12.1	49.9	-147.7
DETECTABLE VOCs	**units**									
1,1,1-Trichloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	220	44	11
1,1-Dichloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	43	5.9	6.4
1,1-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	17	1.4	3.8
2-Butanone	ug/l	< 10	6.3 J	6.7 J	6.2 J	< 10	6.3 J	< 100	6.4 J	6 J
Acetone	ug/l	< 10	13	14	13	< 10	16	< 100	15	16
Chloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	<1.0	< 1.0	< 10	< 1.0	< 1.0
Chloroform	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	0.65 J	< 1.0
cis-1,2-Dichloroethene	ug/l	0.82 J	< 1.0	< 1.0	10	< 1.0	1.1	9.4 J	6.4	69
Methylene Chloride	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	< 1.0
Tetrachloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.1 J	9	< 1.0
trans-1,2-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 1.0	3.9
Trichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	290	110	22
Vinyl Chloride	ug/l	< 1.0	2.3	< 1.0	< 1.0	< 1.0	20	< 10	< 1.0	1.5

Notes:

1) J = Estimated
2) F1 = MS and/or MSD Recovery is outside acceptance limits.
3) See Table 3 for listing of semiannual wells
4) NM = Not Measured

Table 4 - Summary of Groundwater Sampling Results (1Q-17) - Detected Parameters Only

Location		AF-5P	AF-5S	AF-6S	AF-7D	AF-7P	AF-7S	AF-9S	OSMW-10D	OSMW-10P
Sample Date		2/20/2017	2/20/2017	2/20/2017	2/22/2017	2/22/2017	2/22/2017	2/20/2017	2/22/2017	2/20/2017
FIELD PARAMETERS	**units**									
pH	S.U.	7.59	8.19	7.91	7.77	7.50	7.79	8.05	7.67	7.40
Conductivity (mS/cm)	mS/cm	1.06	1.164	1.059	0.918	2.361	0.794	0.885	1.044	1.610
DO (mg/L)	mg/L	2.85	0.79	0.78	NM	NM	NM	0.85	NM	0.99
Temperature (oC)	Deg C	16.70	15.42	17.35	14.47	17.85	17.33	15.63	14.66	16.70
ORP (mV)	mV	103.1	-176.9	-176.9	-133.8	-102.6	-133.1	-176.3	-110.7	-23.9
DETECTABLE VOCs	**units**									
1,1,1-Trichloroethane	ug/l	28	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	2.2	1.5
1,1-Dichloroethane	ug/l	2.8	3.2	< 1.0	< 1.0	< 1.0	7	0.49 J	3	10
1,1-Dichloroethene	ug/l	0.81 J	< 1.0	< 1.0	< 1.0	< 1.0	2	< 1.0	< 1.0	< 1.0
2-Butanone	ug/l	6.1 J	7.5 J	4.7 J	< 10	< 10	< 10	< 10	< 10	6.7 J
Acetone	ug/l	18	15	15	< 10	< 10	< 10	< 10	< 10	17
Chloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	0.43 J
Chloroform	ug/l	0.97 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	ug/l	3.9	2.7	< 1.0	< 1.0	1.1	320	< 1.0	4.3	41
Methylene Chloride	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/l	0.44 J	< 1.0	< 1.0	< 1.0 F1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	ug/l	87	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.8	10
Vinyl Chloride	ug/l	< 1.0	15	< 1.0	< 1.0	1.2	510	< 1.0	< 1.0	8

Notes:

1) J = Estimated
2) F1 = MS and/or MSD Recovery is outside acceptance limits.
3) See Table 3 for listing of semiannual wells
4) NM = Not Measured

Location		OSMW-10S	OSMW-11D	OSMW-11P	OSMW-11S	OSMW-12P	OSMW-13P	OSMW-1D	OSMW-1P	OSMW-1S
Sample Date		2/20/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017	2/21/2017
FIELD PARAMETERS	**units**									
pH	S.U.	7.91	7.60	7.56	7.58	7.71	7.48	7.65	7.24	8.24
Conductivity (mS/cm)	mS/cm	0.757	1.15	1.547	1.392	0.845	1.167	0.897	1.646	1.115
DO (mg/L)	mg/L	2.85	NM	0.48	0.30	0.33	0.36	NM	0.55	0.32
Temperature (oC)	Deg C	16.76	14.31	15.80	14.78	14.50	15.80	14.94	15.78	14.90
ORP (mV)	mV	58.0	-76.8	-107.3	-34.4	-9.1	13.7	-158.4	73.0	-170.6
DETECTABLE VOCs	**units**									
1,1,1-Trichloroethane	ug/l	1.4	< 4.0	< 1.0	< 4.0	2.7	< 1.0	< 1.0	< 1.0	< 20
1,1-Dichloroethane	ug/l	2	19	0.51 J	22	2.3	2.7	1.6	2.3	< 20
1,1-Dichloroethene	ug/l	< 1.0	1.4 J	< 1.0	1.5 J	< 1.0	< 1.0	< 1.0	< 1.0	< 20
2-Butanone	ug/l	6.8 J	< 40	5.1 J	< 40	7.4 J	< 10	< 10	< 10	< 200
Acetone	ug/l	19	< 40	14	16 J	16	15	< 10	< 10	< 200
Chloroethane	ug/l	< 1.0	< 4.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20
Chloroform	ug/l	< 1.0	< 4.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20
cis-1,2-Dichloroethene	ug/l	3.4	130	< 1.0	160	< 1.0	< 1.0	1.3	< 1.0	720
Methylene Chloride	ug/l	< 1.0	< 4.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	9 J
Tetrachloroethene	ug/l	< 1.0	< 4.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20
trans-1,2-Dichloroethene	ug/l	< 1.0	< 4.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0	< 20
Trichloroethene	ug/l	20	21	< 1.0	57	3.1	< 1.0	< 1.0	< 1.0	< 20
Vinyl Chloride	ug/l	< 1.0	3.9 J	< 1.0	< 4.0	< 1.0	< 1.0	8.5	< 1.0	660

Notes:

1) J = Estimated
2) F1 = MS and/or MSD Recovery is outside acceptance limits.
3) See Table 3 for listing of semiannual wells
4) NM = Not Measured

Table 4 - Summary of Groundwater Sampling Results (1Q-17) - Detected Parameters Only

Location		OSMW-3D	OSMW-3S	OSMW-4D	OSMW-4S	OSMW-6D	OSMW-9D	OSMW-9SR	PMW-2D	PMW-3D
Sample Date		2/22/2017	2/22/2017	2/21/2017	2/21/2017	2/22/2017	2/21/2017	2/21/2017	2/22/2017	2/22/2017
FIELD PARAMETERS	**units**									
pH	S.U.	7.42	7.66	7.44	8.19	8.07	8.39	7.94	7.02	7.89
Conductivity (mS/cm)	mS/cm	0.911	0.884	0.699	0.783	0.633	0.809	0.86	0.788	0.689
DO (mg/L)	mg/L	NM	NM	NM	0.36	NM	NM	NM	NM	NM
Temperature (oC)	Deg C	14.76	17.04	15.36	15.64	15.73	15.87	15.99	13.79	14.49
ORP (mV)	mV	-115.5	-157.0	-116.9	-183.2	-109.7	-148.2	-147.1	-101.2	-139.2
DETECTABLE VOCs	**units**									
1,1,1-Trichloroethane	ug/l	< 10	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
1,1-Dichloroethane	ug/l	< 10	< 1.0	0.54 J	< 1.0	4.4	< 1.0	< 1.0	< 1.0	3.4
1,1-Dichloroethene	ug/l	< 10	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
2-Butanone	ug/l	< 100	< 10	< 10	< 10	< 40	< 10	< 10	< 10	< 10
Acetone	ug/l	< 100	< 10	< 10	< 10	< 40	< 10	< 10	< 10	< 10
Chloroethane	ug/l	< 10	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
Chloroform	ug/l	< 10	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
cis-1,2-Dichloroethene	ug/l	270	< 1.0	< 1.0	< 1.0	22	< 1.0	< 1.0	< 1.0	1.5
Methylene Chloride	ug/l	< 10	< 1.0	< 1.0	< 1.0	6.2	< 1.0	< 1.0	< 1.0	< 1.0
Tetrachloroethene	ug/l	< 10	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
trans-1,2-Dichloroethene	ug/l	30	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
Trichloroethene	ug/l	400 F1	< 1.0	< 1.0	< 1.0	< 4.0	< 1.0	< 1.0	< 1.0	< 1.0
Vinyl Chloride	ug/l	< 10	2.7	1.7	< 1.0	210	12	< 1.0	< 1.0	4.4

Notes:

1) J = Estimated
2) F1 = MS and/or MSD Recovery is outside acceptance limits.
3) See Table 3 for listing of semiannual wells
4) NM = Not Measured

Location		PMW-3P	PMW-3S	PMW-4D	TMW-1D	TMW-1P	TMW-1S	TMW-2D	TMW-2S
Sample Date		2/20/2017	2/20/2017	2/21/2017	2/22/2017	2/20/2017	2/20/2017	2/22/2017	2/20/2017
FIELD PARAMETERS	**units**								
pH	S.U.	7.16	8.14	12.44	7.58	7.39	7.86	7.47	7.78
Conductivity (mS/cm)	mS/cm	0.989	0.901	1.152	0.819	1.467	0.988	0.989	1.007
DO (mg/L)	mg/L	0.93	0.45	NM	NM	3.16	0.57	NM	0.86
Temperature (oC)	Deg C	17.46	16.51	15.46	14.72	17.18	15.98	14.82	15.55
ORP (mV)	mV	-35.7	-148.6	119.9	-155.8	124.6	-150.3	-136.8	-172.2
DETECTABLE VOCs	**units**								
1,1,1-Trichloroethane	ug/l	< 4.0	2.3	< 1.0	< 1.0	120	< 2.0	< 10	< 1.0
1,1-Dichloroethane	ug/l	23	3.8	< 1.0	< 1.0	43	< 2.0	< 10	< 1.0
1,1-Dichloroethene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	13	< 2.0	< 10	< 1.0
2-Butanone	ug/l	< 40	6.7 J	< 10	< 10	< 40	< 20	< 100	< 10
Acetone	ug/l	17 J	16	< 10	< 10	19 J	< 20	< 100	< 10
Chloroethane	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 4.0	< 2.0	< 10	< 1.0
Chloroform	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	1.7 J	< 2.0	< 10	< 1.0
cis-1,2-Dichloroethene	ug/l	87	16	< 1.0	< 1.0	39	25	660	< 1.0
Methylene Chloride	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 4.0	< 2.0	18	< 1.0
Tetrachloroethene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	1.4 J	< 2.0	< 10	< 1.0
trans-1,2-Dichloroethene	ug/l	< 4.0	< 1.0	< 1.0	< 1.0	< 4.0	< 2.0	190	< 1.0
Trichloroethene	ug/l	2.2 J	3.6	< 1.0	< 1.0	170	< 2.0	4.6 J	< 1.0
Vinyl Chloride	ug/l	28	6.9	2.8	< 1.0	10	58	29	< 1.0

Notes:

1) J = Estimated
2) F1 = MS and/or MSD Recovery is outside acceptance limits.
3) See Table 3 for listing of semiannual wells
4) NM = Not Measured

Table 5 - Summary of Groundwater Chemical Cross-Contamination Analyses

			3/20/2017			
Well ID	TCA_grp UTL Value[1] (µmol/L)	TCE_grp UTL Value[1] (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
AF-11S	0.0842	3.1943	0.0000	0.0368	ACCEPT	ACCEPT
AF-25P	12.3782	11.3839	2.2590	2.3254	ACCEPT	ACCEPT
AF-4S	1.1853	5.9427	0.1863	0.9427	ACCEPT	ACCEPT
AF-5P	1.3739	4.5782	0.2465	0.7022	ACCEPT	ACCEPT
AF-5S	2.5715	9.0739	0.0323	0.2679	ACCEPT	ACCEPT
AF-7D	0.0240	0.0261	0.0000	0.0000	ACCEPT	ACCEPT
AF-7P	10.8813	9.7516	0.0000	0.0305	ACCEPT	ACCEPT
AF-7S	0.7677	31.8240	0.0914	11.4609	ACCEPT	ACCEPT
AF-9S	0.0694	0.7894	0.0050	0.0000	ACCEPT	ACCEPT
OSMW-10D	0.1633	0.1269	0.0468	0.0731	ACCEPT	ACCEPT
OSMW-10P	3.9915	2.7868	0.1190	0.6267	ACCEPT	ACCEPT
OSMW-10S	3.5411	1.2163	0.0307	0.1866	ACCEPT	ACCEPT
OSMW-11D	0.7604	8.2552	0.2064	1.5624	ACCEPT	ACCEPT
OSMW-11P	0.0232	0.0066	0.0052	0.0000	ACCEPT	ACCEPT
OSMW-11S	1.0371	11.9864	0.2378	2.0823	ACCEPT	ACCEPT
OSMW-12P	0.0529	0.0352	0.0435	0.0235	ACCEPT	ACCEPT
OSMW-13P	0.0510	0.0688	0.0273	0.0000	ACCEPT	ACCEPT
OSMW-1D	1.0602	23.5751	0.0162	0.1494	ACCEPT	ACCEPT
OSMW-1P	0.0386	0.0383	0.0232	0.0000	ACCEPT	ACCEPT
OSMW-1S	1.8189	54.1122	0.0000	17.9868	ACCEPT	ACCEPT
OSMW-3D	0.0969	13.9650	0.0000	6.1256	ACCEPT	ACCEPT
OSMW-3S	0.0952	0.8117	0.0000	0.0432	ACCEPT	ACCEPT
OSMW-4D	0.1902	1.2387	0.0055	0.0272	ACCEPT	ACCEPT
OSMW-4S	0.1184	7.8398	0.0000	0.0000	ACCEPT	ACCEPT
OSMW-6D	0.8025	3.8001	0.0445	3.5870	ACCEPT	ACCEPT
OSMW-9D	0.0359	0.4657	0.0000	0.1920	ACCEPT	ACCEPT
OSMW-9S	0.0327	6.9411	0.0000	0.0000	ACCEPT	ACCEPT
PMW-2D	0.0021	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
PMW-3D	3.1451	2.5338	0.0344	0.0859	ACCEPT	ACCEPT
PMW-3P	2.5478	4.0693	0.2324	1.3621	ACCEPT	ACCEPT
PMW-3S	2.3156	2.3051	0.0556	0.3027	ACCEPT	ACCEPT
PMW-4D	0.0359	0.1228	0.0000	0.0448	ACCEPT	ACCEPT
TMW-1D	0.0359	0.0093	0.0000	0.0000	ACCEPT	ACCEPT
TMW-1S	0.2465	10.5703	0.0000	1.1859	ACCEPT	ACCEPT
TMW-2D	0.0454	9.8486	0.0000	9.2663	ACCEPT	ACCEPT
TMW-2S	0.0039	0.0254	0.0000	0.0000	ACCEPT	ACCEPT
AF-11D	0.0092	2.3875	0.0000	0.0085	ACCEPT	ACCEPT
AF-13P	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-13S	0.0359	0.0359	0.0000	0.1031	ACCEPT	REJECT[2]
AF-19D	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-19S	0.0359	0.0359	0.0000	0.3314	ACCEPT	REJECT[2]
AF-4P	2.0047	3.6624	0.4039	0.9539	ACCEPT	ACCEPT
AF-6S	0.0359	0.0359	0.0000	0.0000	ACCEPT	ACCEPT
TMW-1P	3.1442	5.8024	1.4681	1.8590	ACCEPT	ACCEPT

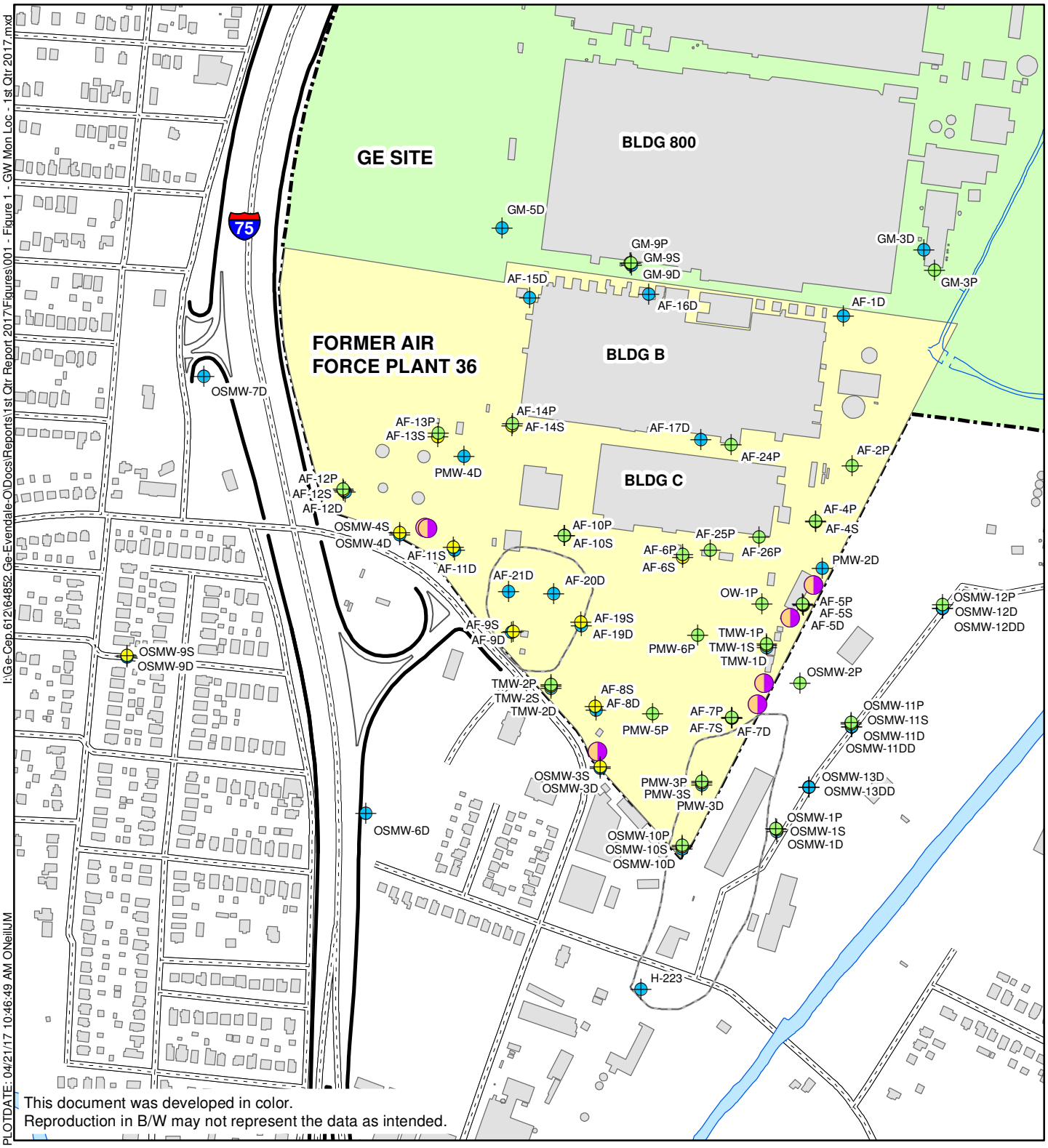
Footnotes: ACCEPT - current concentrations are below baseline UTL value (not indicative of cross-contamination)

REJECT - current concentrations are above baseline UTL value (evaluate the potential for cross-contamination, except as noted below)

1. The methodology for calculating the upper tolerance limit (UTL) is included in the Performance Monitoring Plan.
2. The intrawell analysis for AF-13S (TCE Group) and AF-19S (TCE Group) were triggered because the analysis compared the TCA and TCE Group values to UTL values that were developed from non-detectable or low detections of baseline concentrations. In cases where the UTL baseline is developed from non-detectable or low detections false positives can be triggered by a slight increase in CVOCs and are not an indication of vertical or lateral cross-contamination.

Figures

FIGURE 1



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LEGEND

- PERCHED MONITORING WELL LOCATION
- USG MONITORING WELL LOCATION
- LSG MONITORING WELL LOCATION
- EXTRACTION WELL

GE
EVENDALE, OHIO

GROUNDWATER IRM MONITORING LOCATIONS

N

0 200 400 800
Feet

MARCH 2017

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2

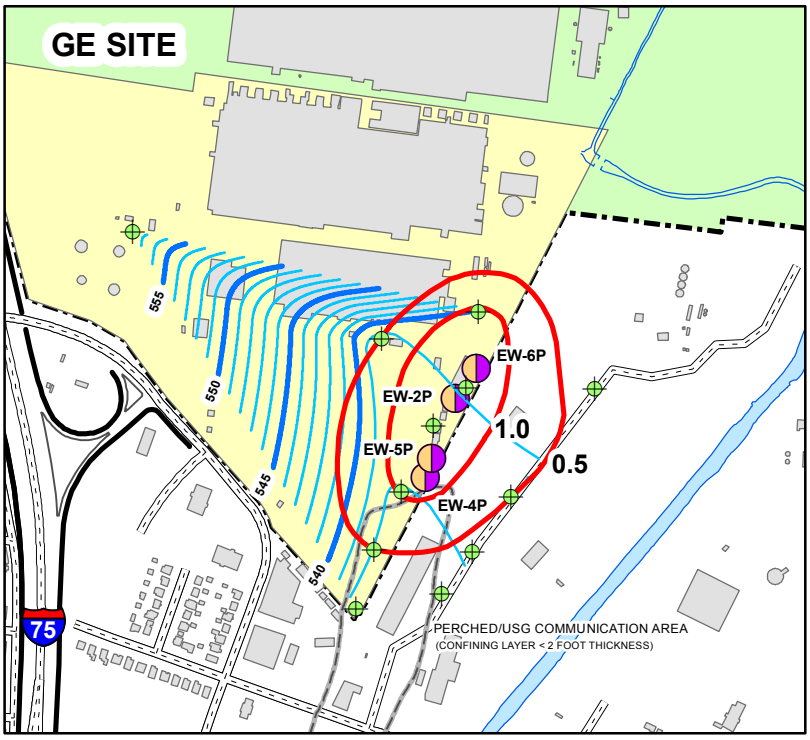
Perched Zone

Approximate Drawdown (ft)
March 20, 2017

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

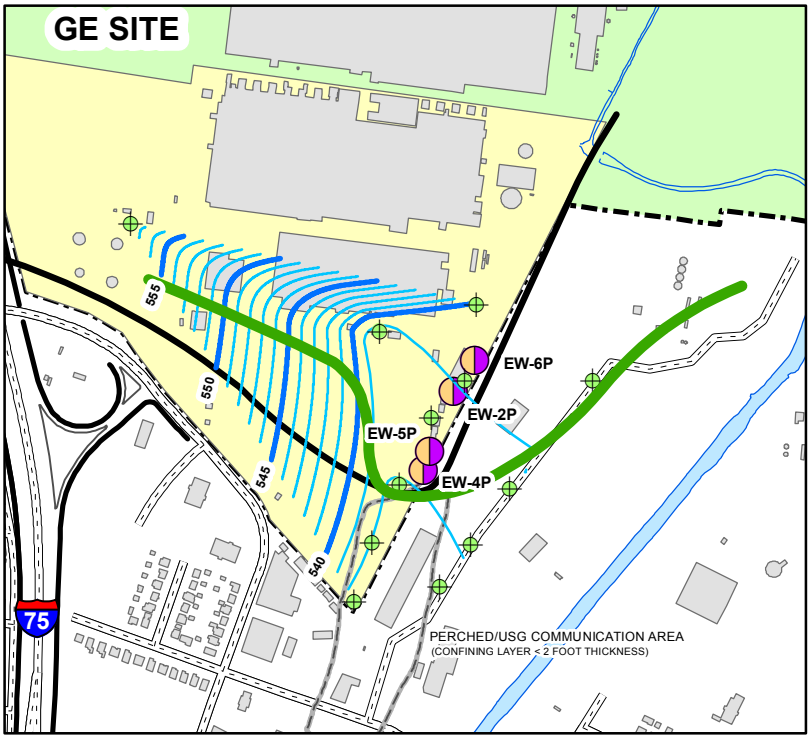


Perched Zone

Design Capture Zone (340 gpm)

Apparent Capture Zone (70 gpm)
1st Qtr 2017

Groundwater Contour (feet)



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GE
EVENDALE, OHIO

PERCHED ZONE ESTIMATED DRAWDOWN AND CAPTURE ZONE

N

0 400 800 1,600
Feet

MARCH 2017

O'BRIEN & GERE ENGINEERS, INC.

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PLOTDATE: 4/26/2017 ONeilJM

FIGURE 3

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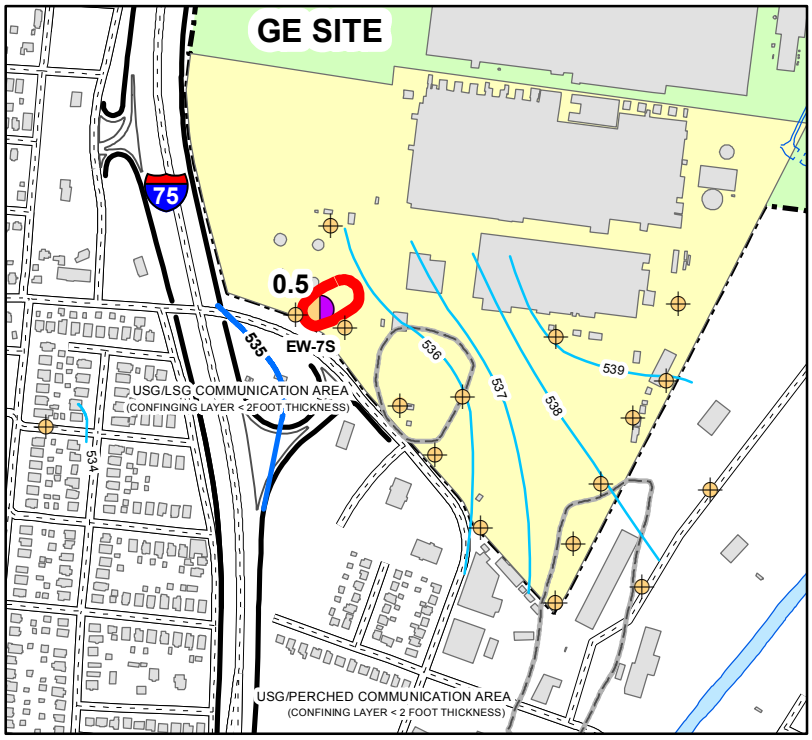
USG Zone

Approximate Drawdown (ft)
March 20, 2017

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

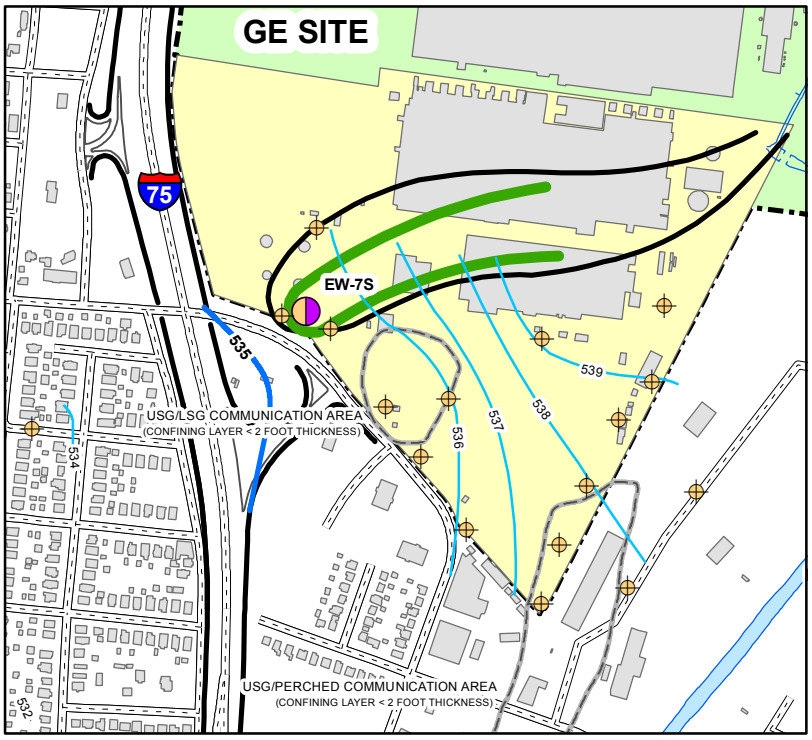


USG Zone

Design Capture Zone (80 gpm)

Apparent Capture Zone (4 gpm)
1st Qtr 2017

Groundwater Contour (feet)



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EVENDALE, OHIO

N

USG
ESTIMATED DRAWDOWN AND CAPTURE ZONE

0 400 800 1,600
Feet

MARCH 2017

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4

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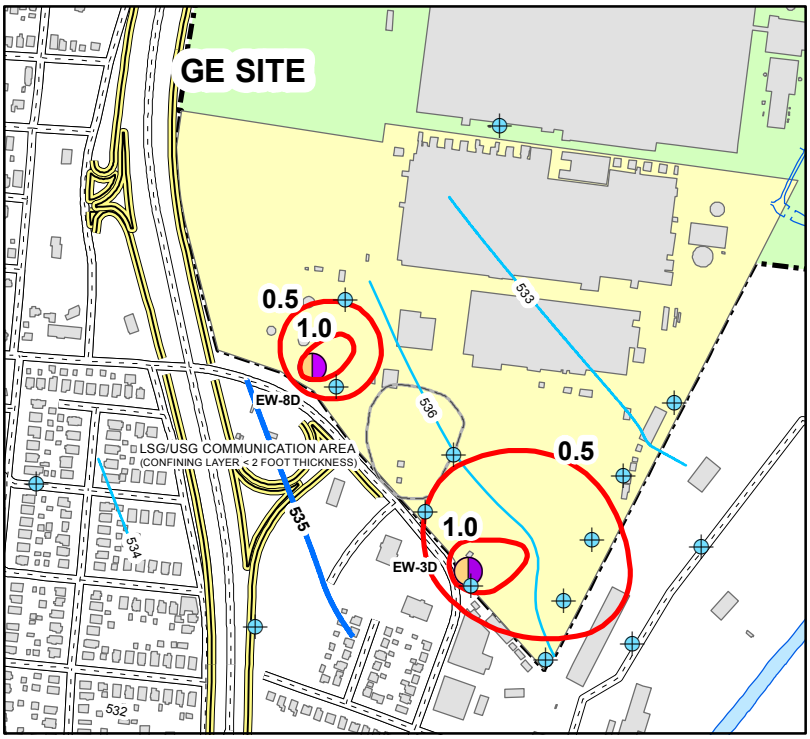
LSG Zone

Approximate Drawdown (ft)
March 20, 2017

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

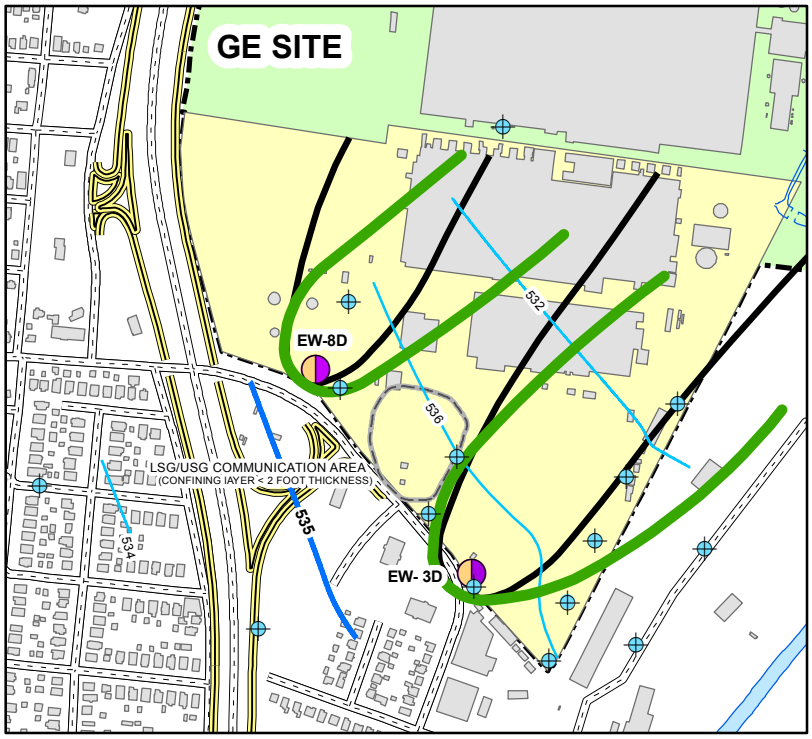


LSG Zone

Design Capture Zone (160 gpm)

Apparent Capture Zone (76 gpm)
1st Quarter 2017

Groundwater Contour (feet)



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EVENDALE, OHIO

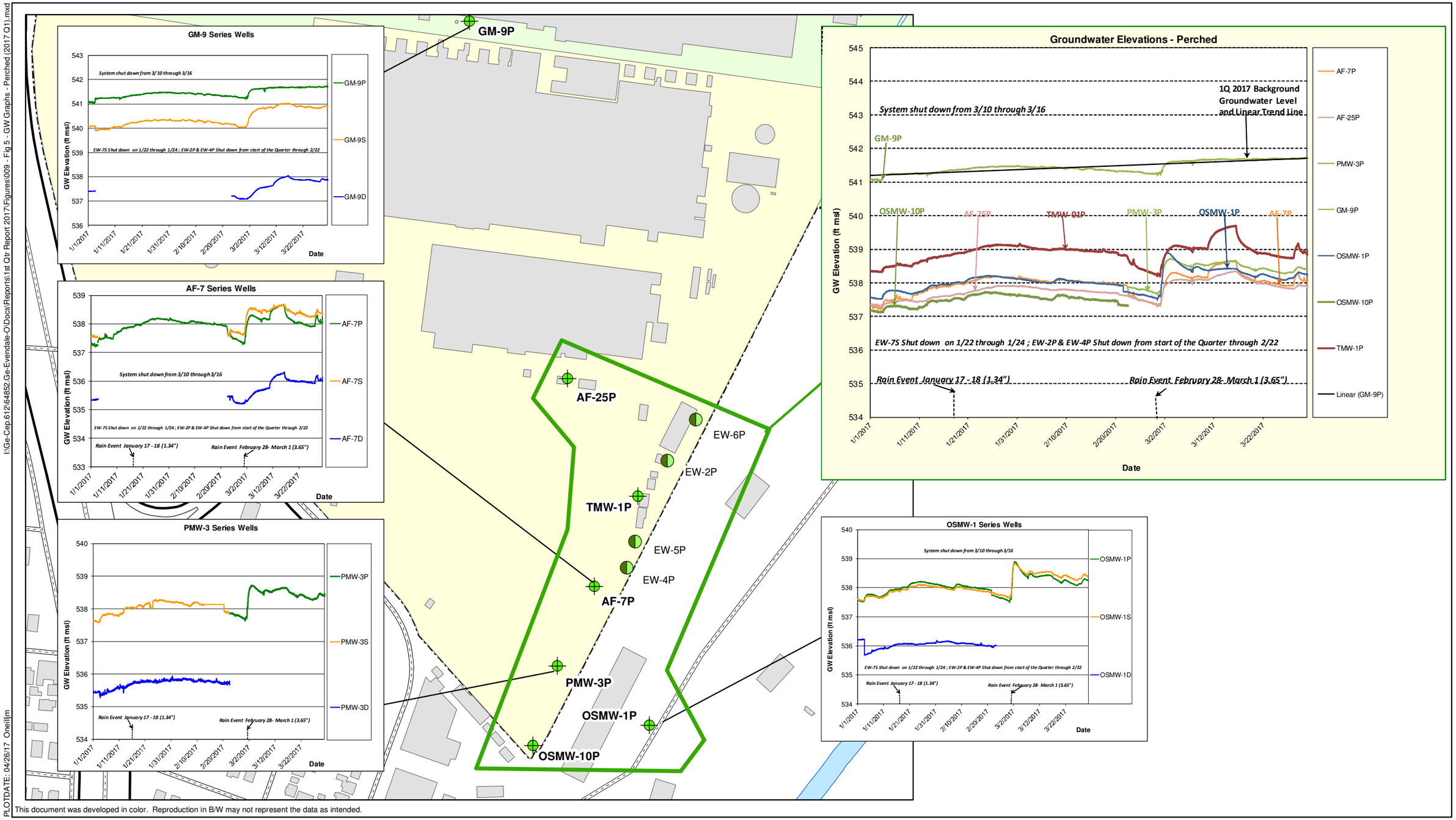
N

LSG
ESTIMATED DRAWDOWN AND CAPTURE ZONE

0 400 800 1,600
Feet

MARCH 2017

O'BRIEN & GERE ENGINEERS, INC.



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LEGEND

- PERCHED MONITORING WELL
- PERCHED EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS PERCHED ZONE

2017 1st QUARTER

O'BRIEN & GERE ENGINEERS, INC.

MARCH 2017

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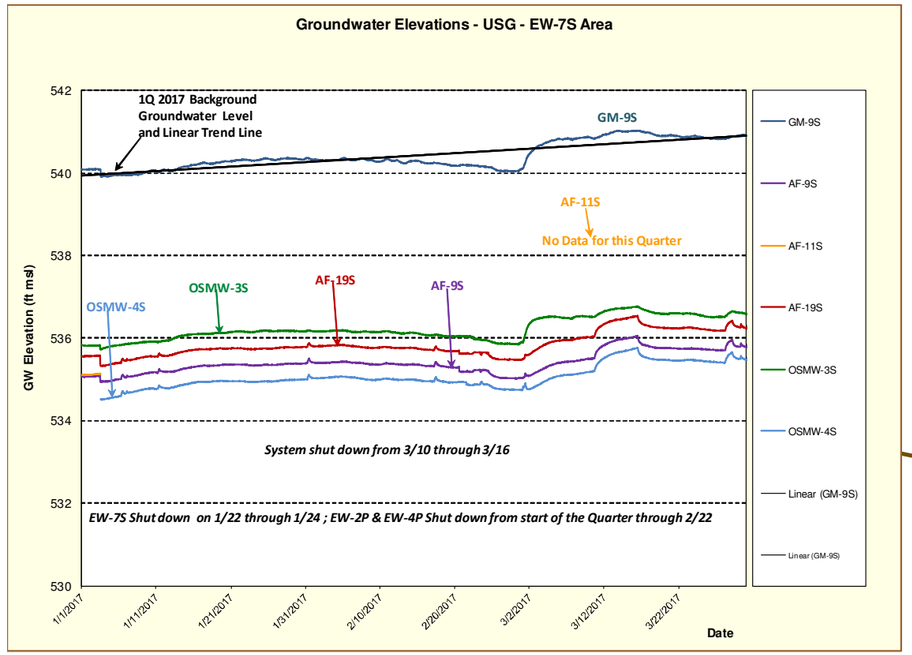
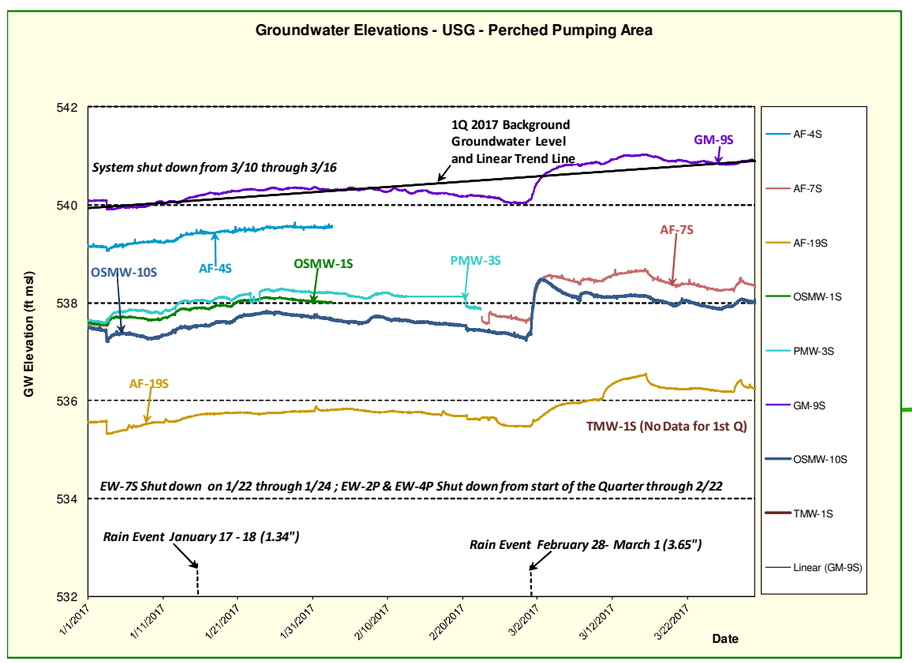
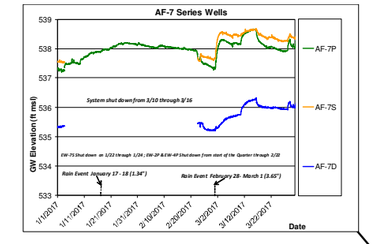
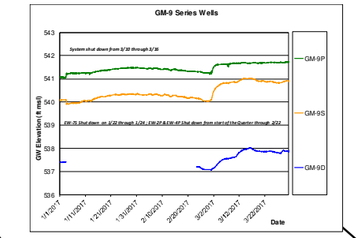
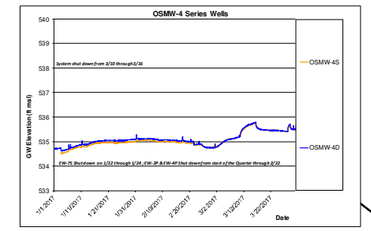
FIGURE 6

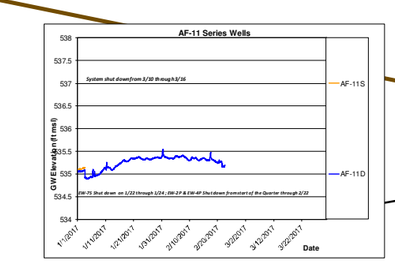


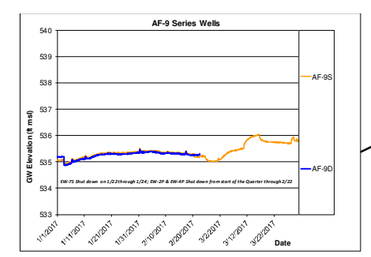


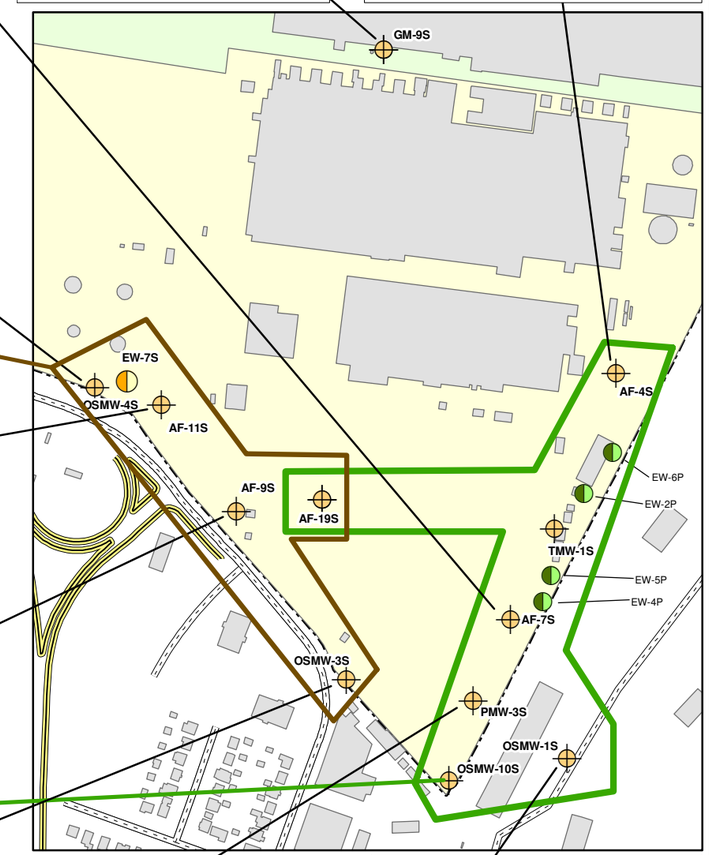


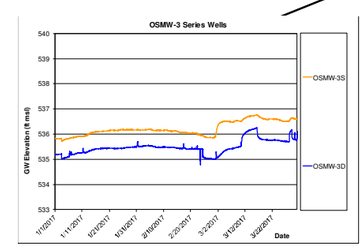


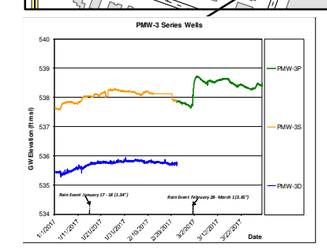


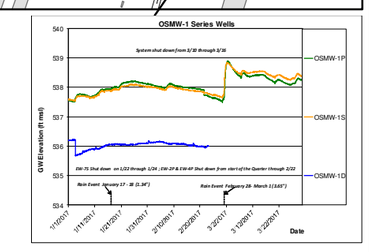












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LEGEND

- USG MONITORING WELL
- USG EXTRACTION WELL
- PERCHED EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

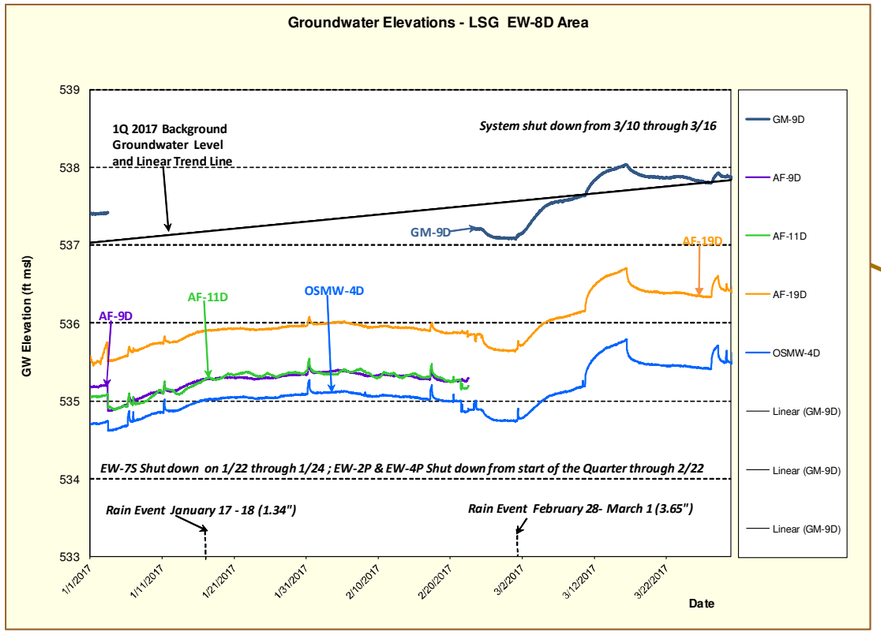
GROUNDWATER ELEVATION HYDROGRAPHS USG

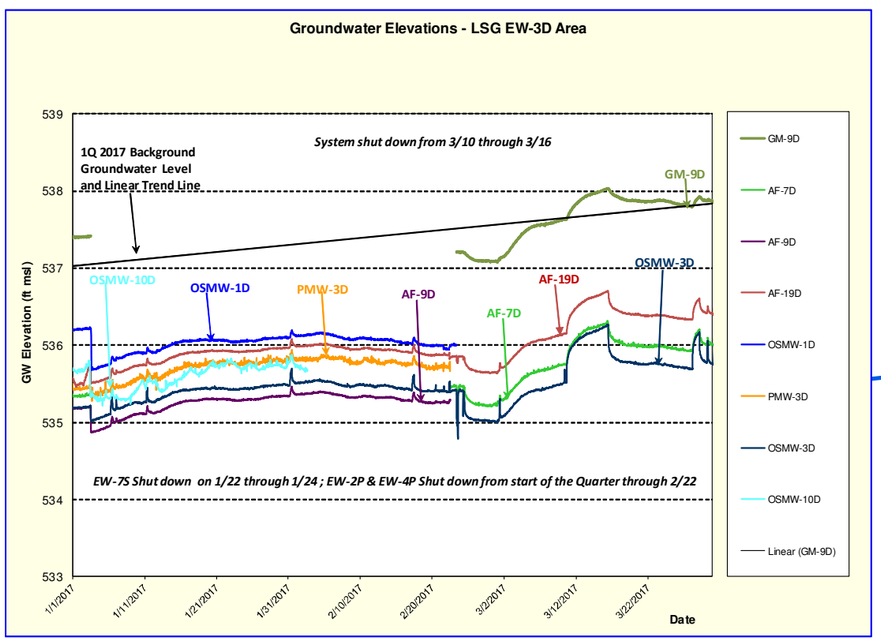
2017 1st QUARTER

O'BRIEN & GERE ENGINEERS, INC.

MARCH 2017

FIGURE 7





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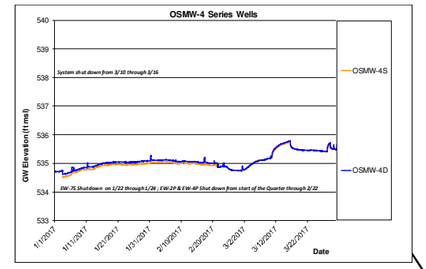

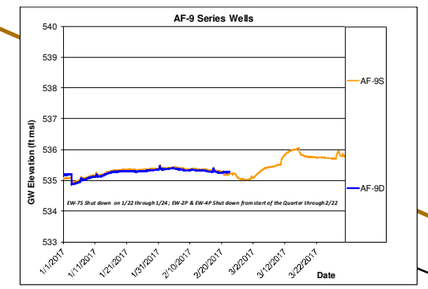

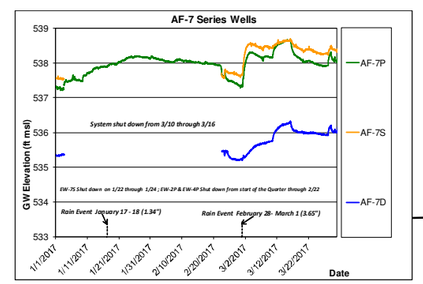

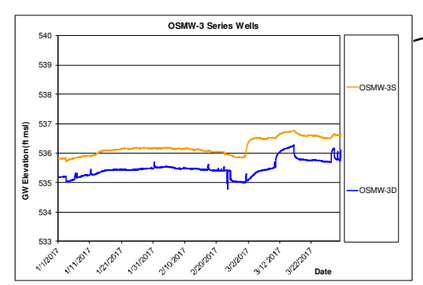

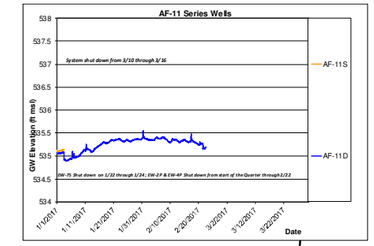

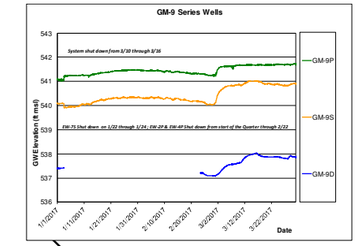

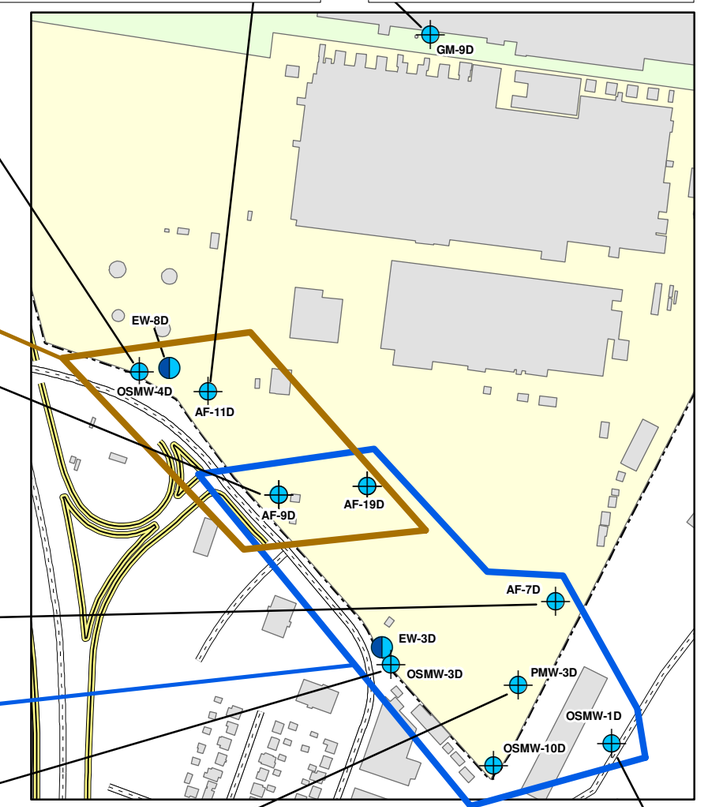

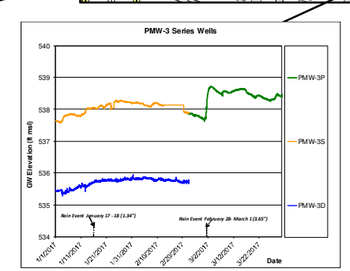

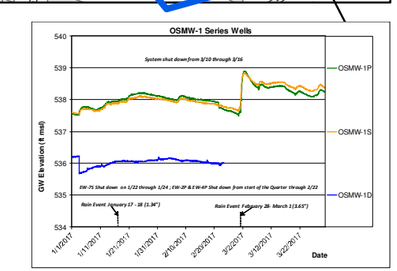

LEGEND

- LSG MONITORING WELL
- LSG EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS
LSG

2017 1st QUARTER

O'BRIEN & GERE ENGINEERS, INC.

MARCH 2017

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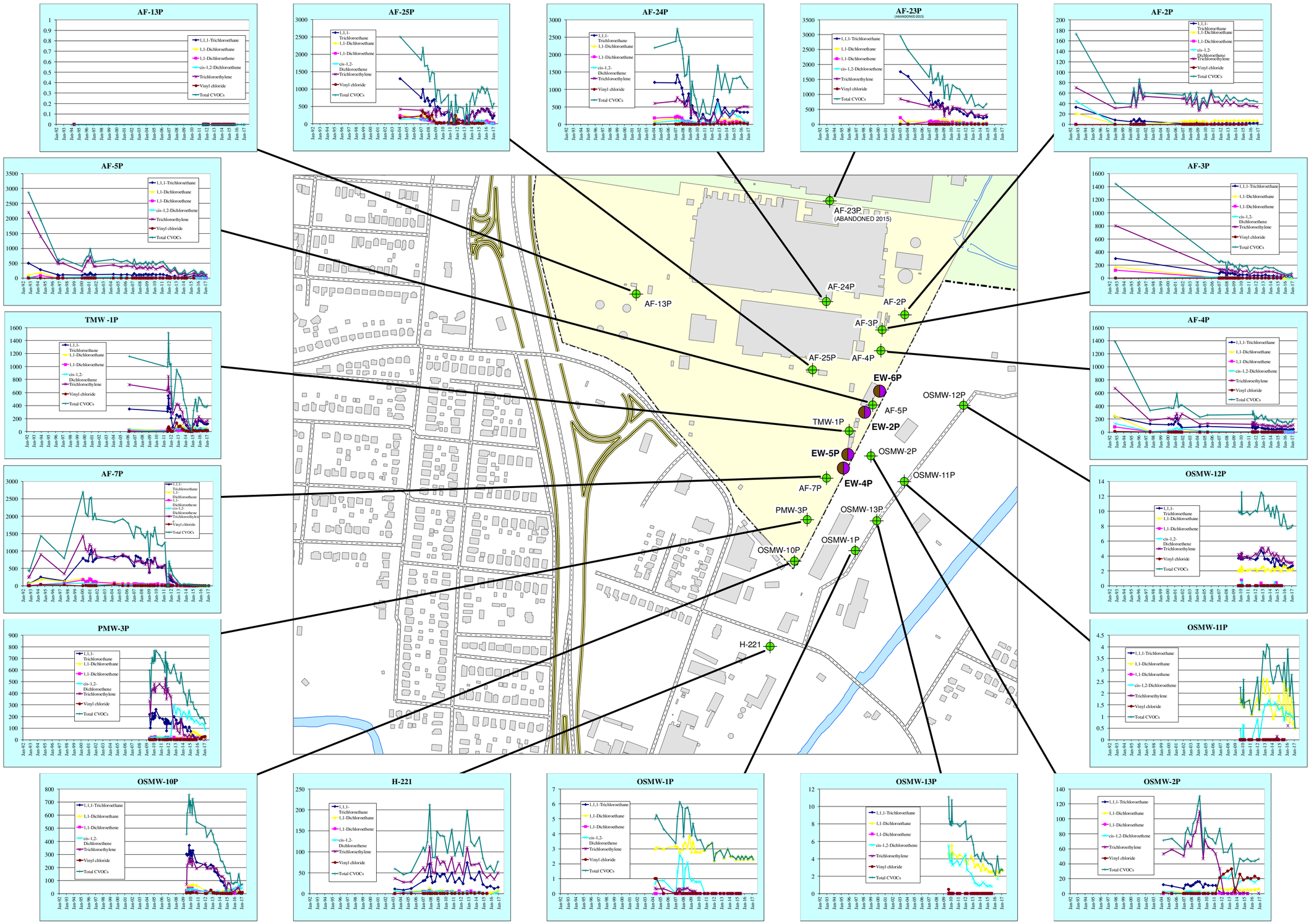

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LEGEND

PERCHED ZONE MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

PERCHED ZONE EXTRACTION WELL

GRAPH KEY

- 1,1,1-TRICHLOROETHANE
- 1,1-DICHLOROETHANE
- 1,1-DICHLOROETHENE
- CIS-1,2-DICHLOROETHENE
- TRICHLOROETHYLENE
- VINYL CHLORIDE
- TOTAL CVOCS

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

GE
EVENDALE, OHIO

0 250 500 1,000
Feet

N

PERCHED ZONE HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

O'BRIEN & GERE ENGINEERS, INC.

DECEMBER 2016
612\62574

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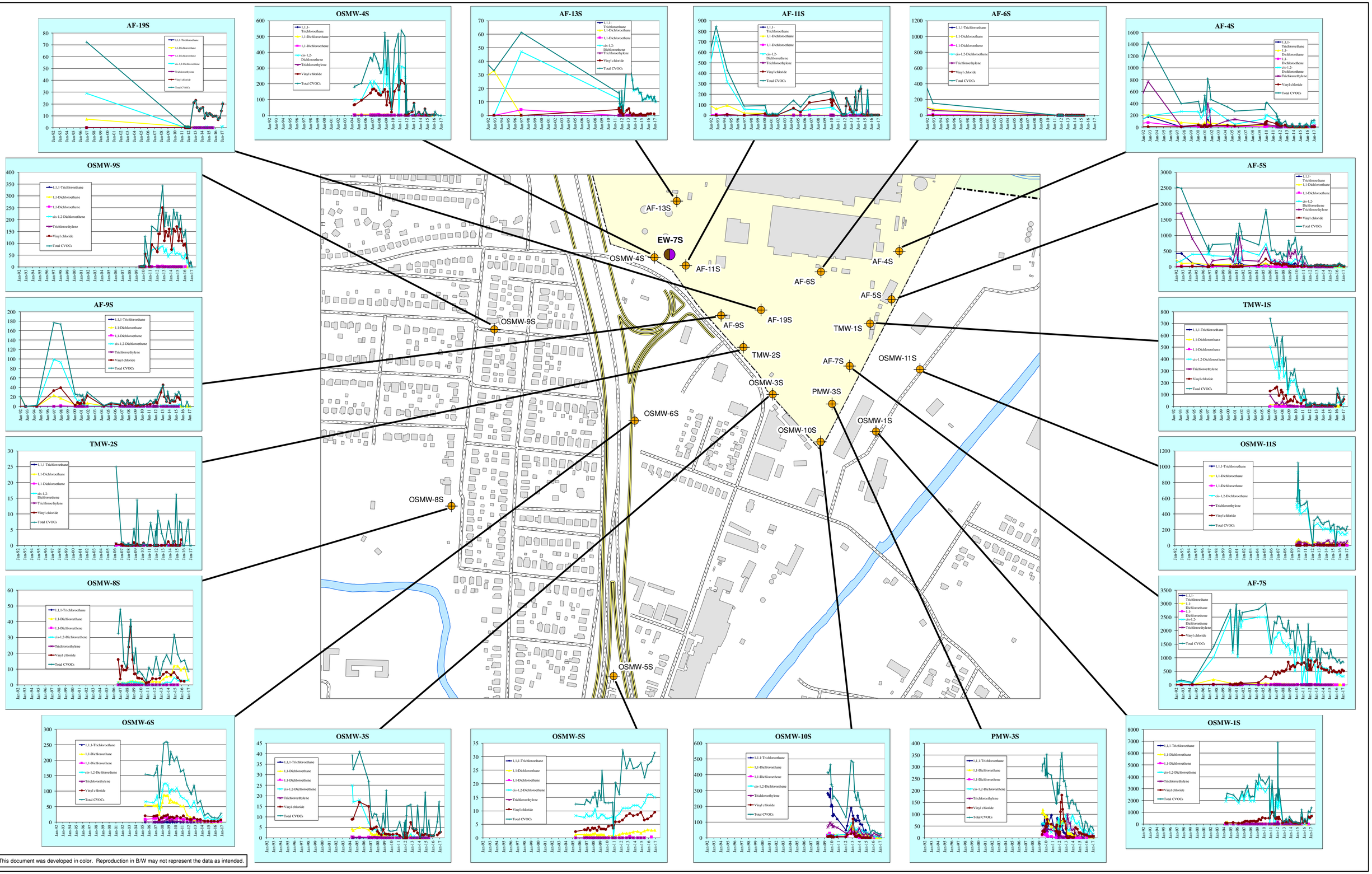

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LEGEND

USG MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

USG EXTRACTION WELL

GRAPH KEY

- 1,1,1-TRICHLOROETHANE
- 1,1-DICHLOROETHANE
- 1,1-DICHLOROETHENE
- CIS-1,2-DICHLOROETHENE
- TRICHLOROETHYLENE
- VINYL CHLORIDE
- TOTAL CVOCS

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

GE
EVENDALE, OHIO

0 250 500 1,000
Feet

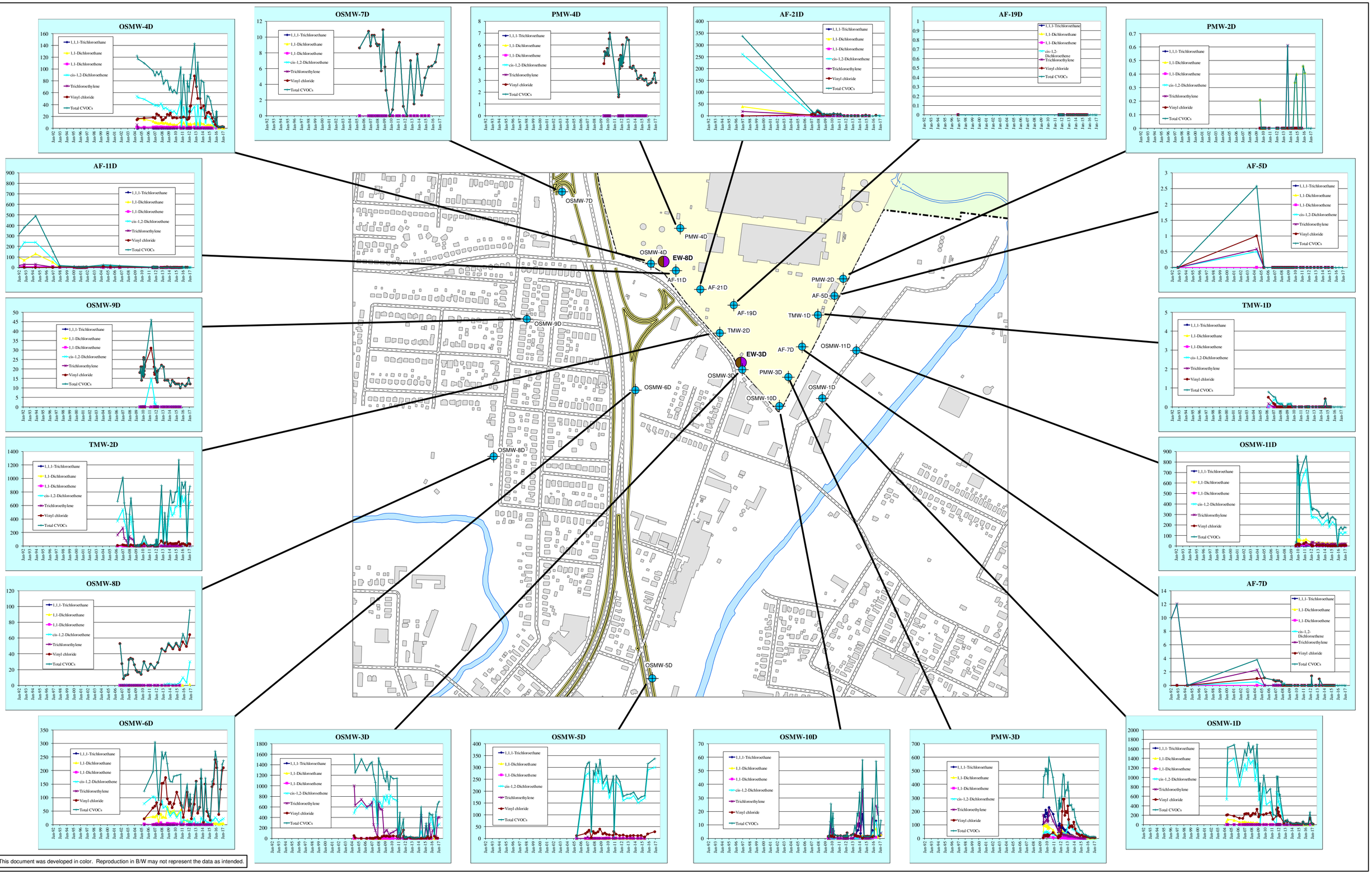
N

UPPER SAND AND GRAVEL (USG) HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

O'BRIEN & GERE ENGINEERS, INC.

MARCH 2017

FIGURE 10



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LEGEND

PERCHED ZONE MONITORING WELL - GROUNDWATER SAMPLE COLLECTED FOR ANALYTICAL ANALYSIS

PERCHED ZONE EXTRACTION WELL

GRAPH KEY

- 1,1,1-TRICHLOROETHANE
- 1,1-DICHLOROETHANE
- 1,1-DICHLOROETHENE
- CIS-1,2-DICHLOROETHENE
- TRICHLOROETHYLENE
- VINYL CHLORIDE
- TOTAL CVOCS

NOTES:
1. RESULTS ARE SHOWN IN ug/l.
2. NON-DETECTED RESULTS ARE SHOWN AT THE X AXIS.
3. CONCENTRATION SCALE MAY VARY BY GRAPH.

GE
EVENDALE, OHIO

0 250 500 1,000
Feet

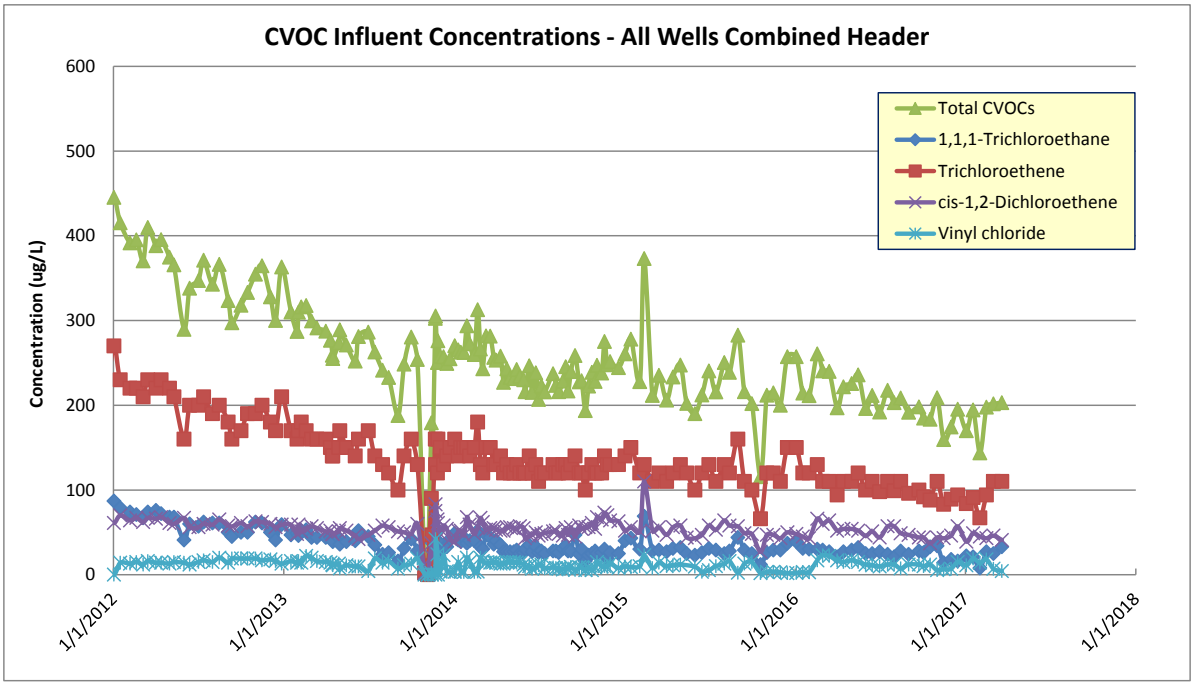
N

LOWER SAND AND GRAVEL (LSG) HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

O'BRIEN & GERE ENGINEERS, INC.

MARCH 2017

FIGURE 11
Total CVOC Concentration Plots – Extraction Wells



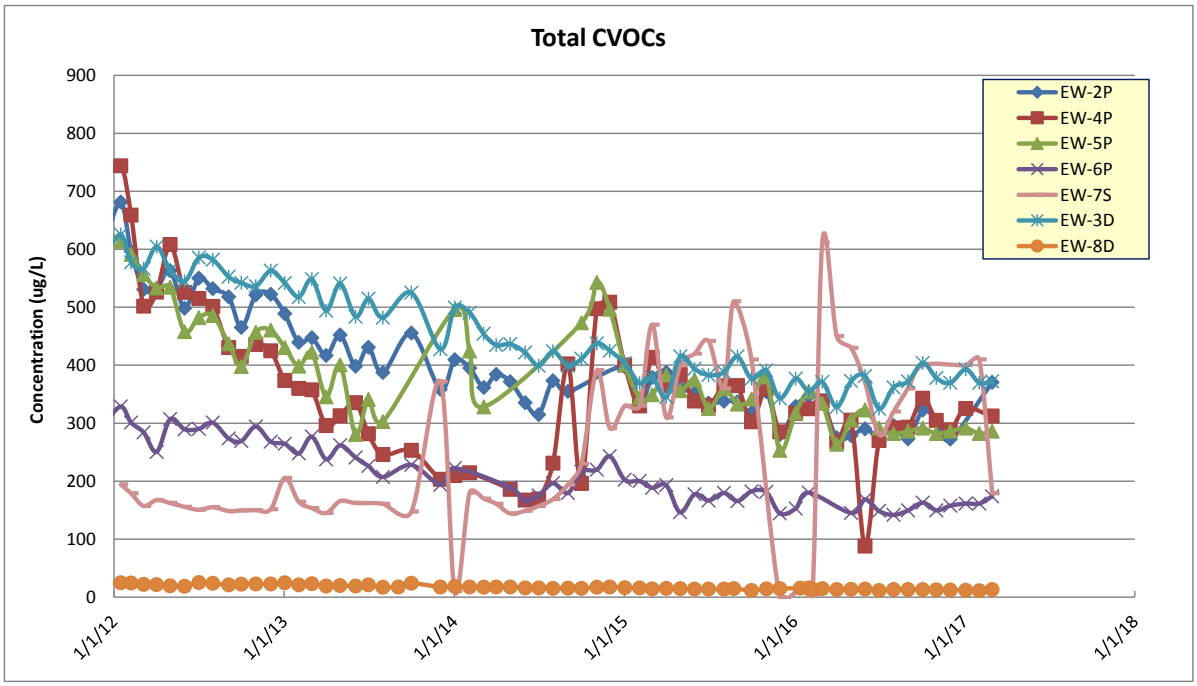
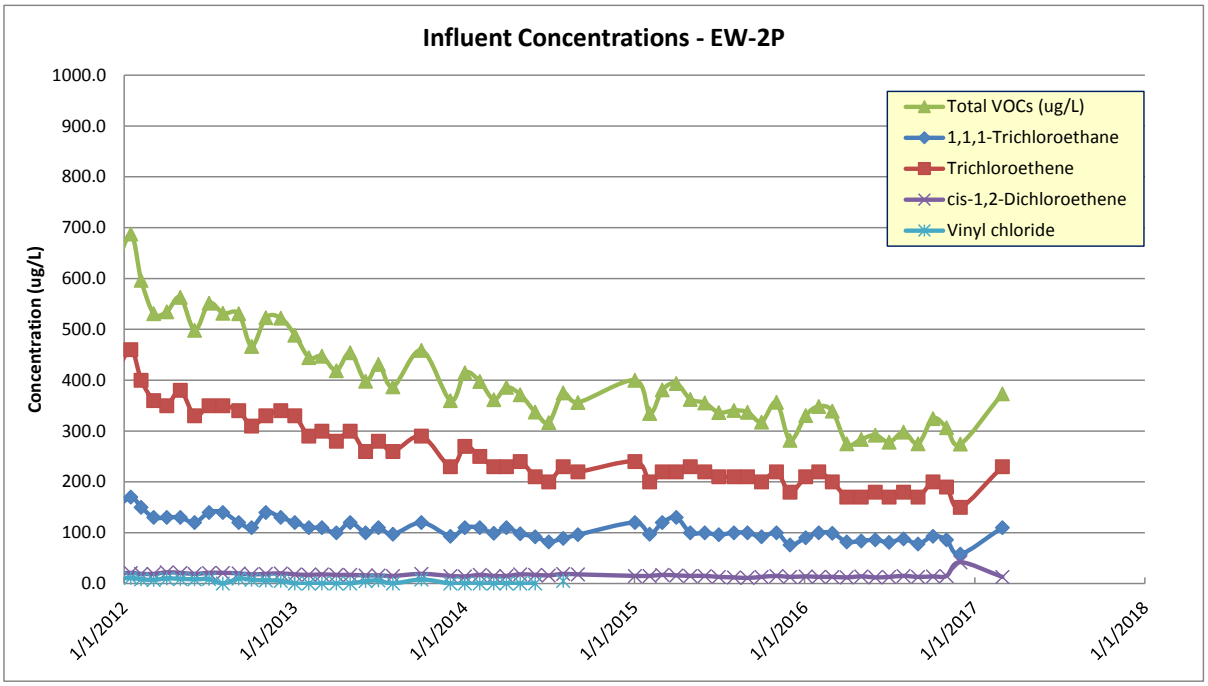


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells



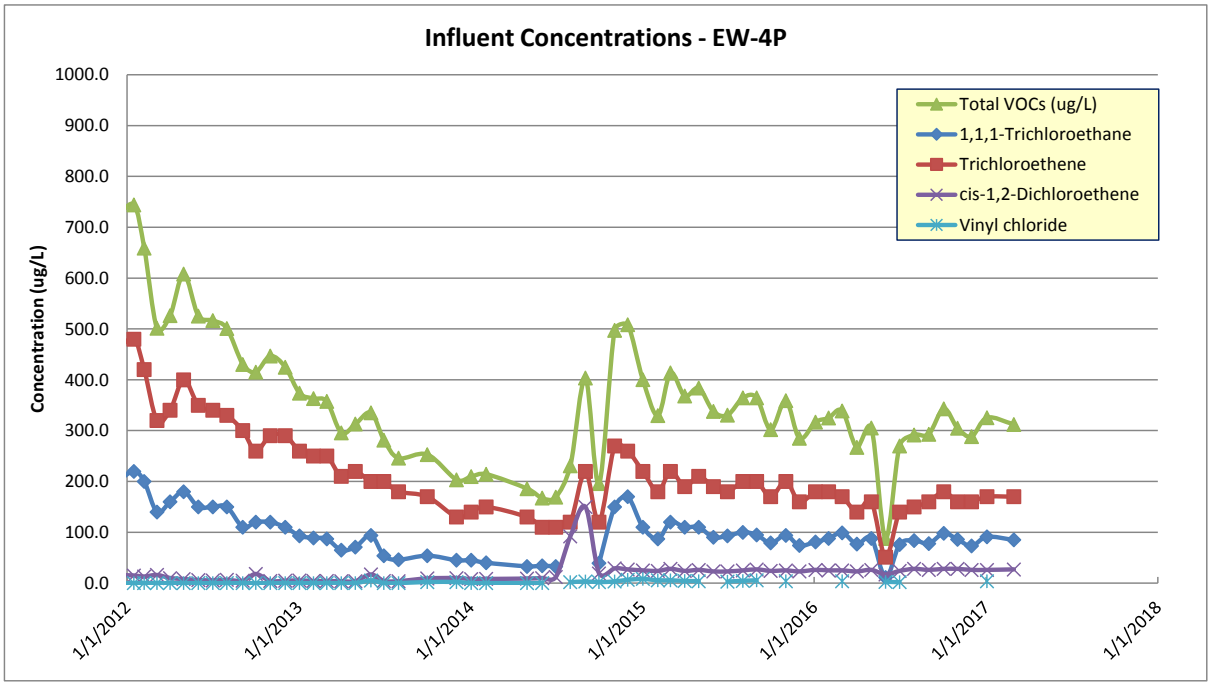
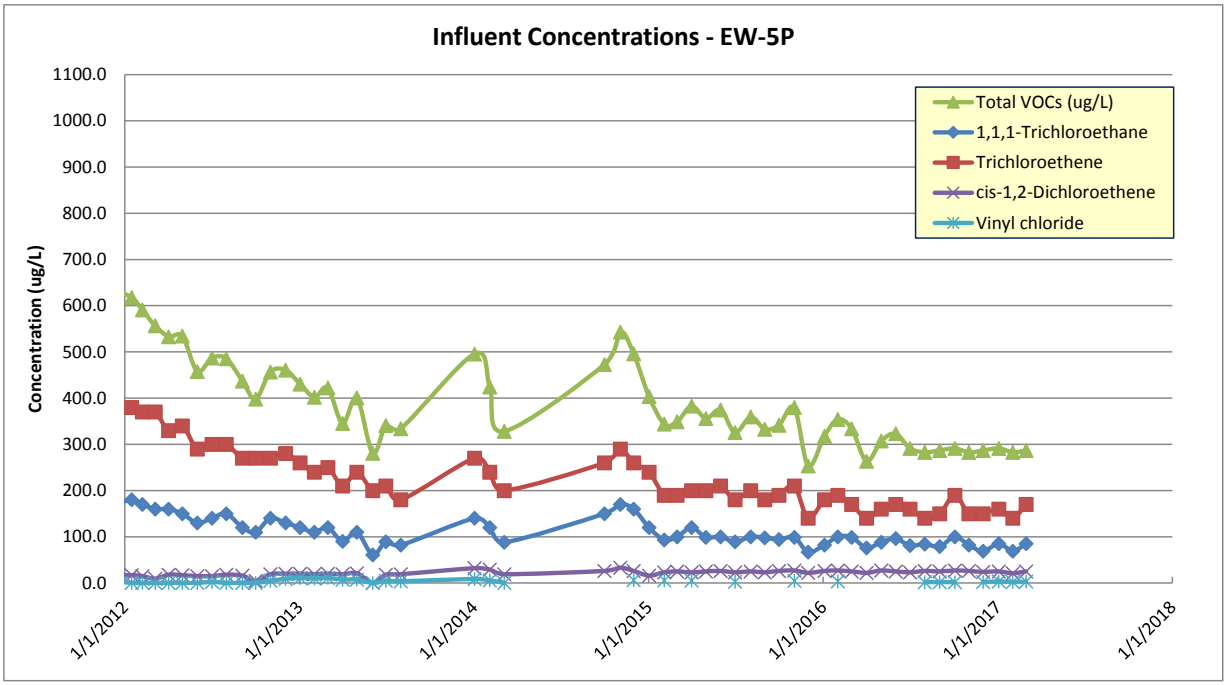


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells



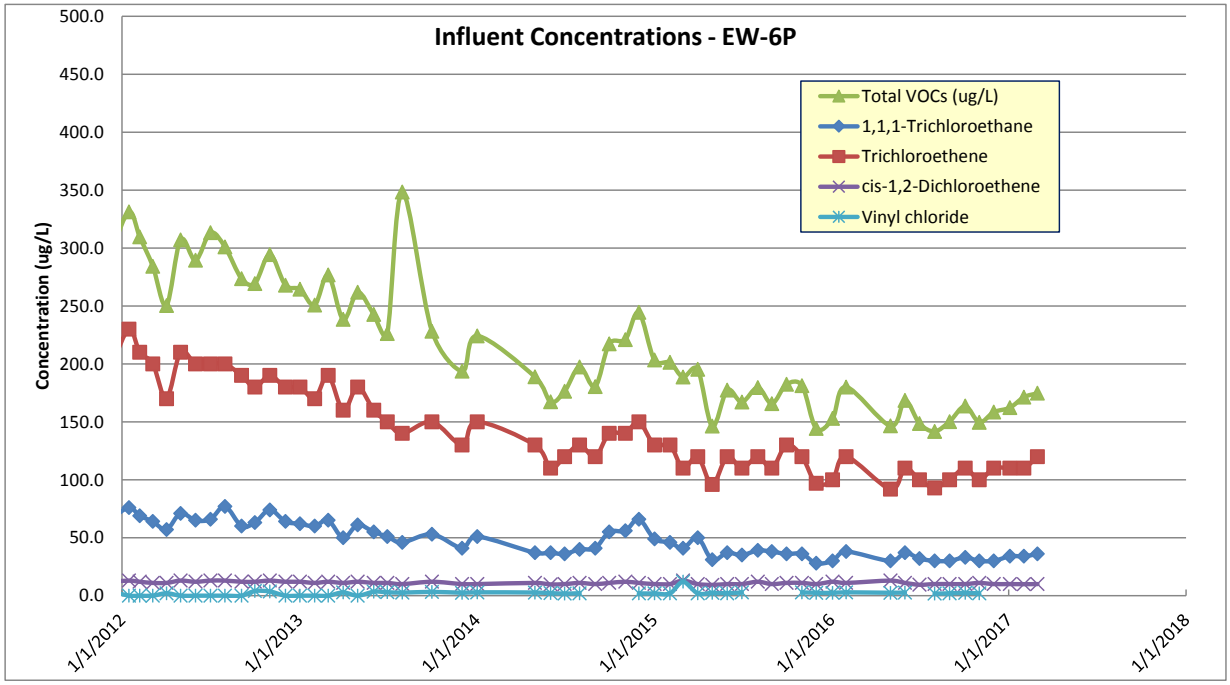


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells

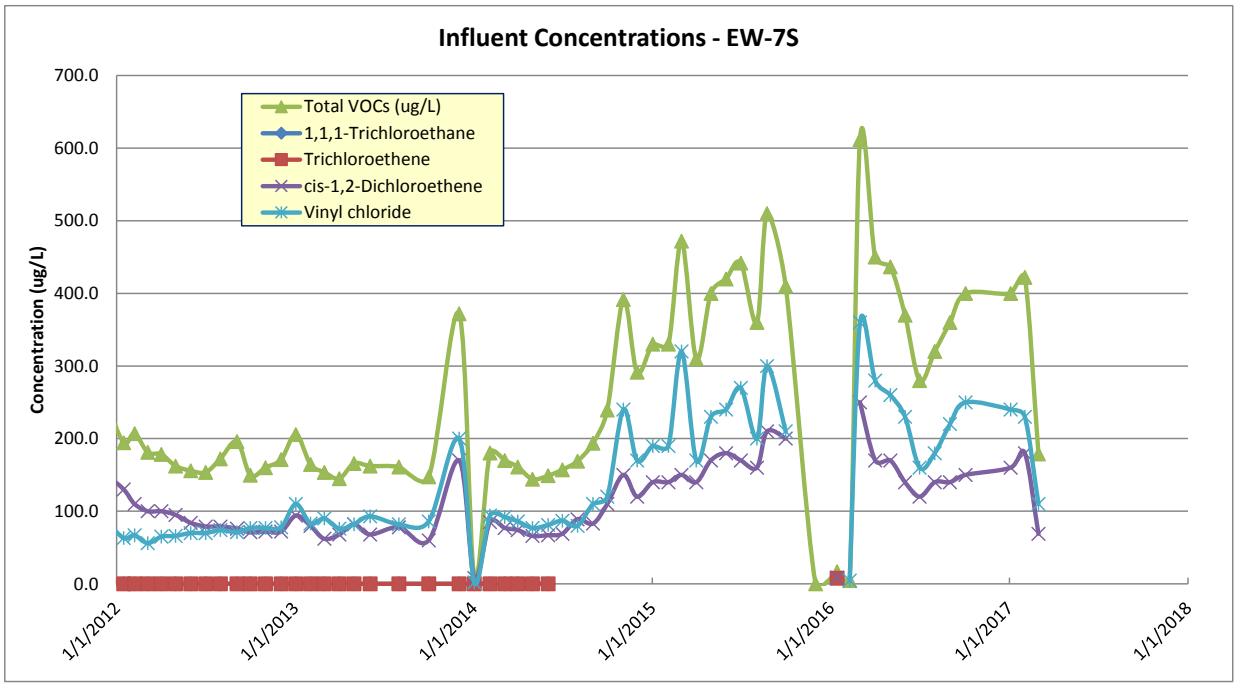
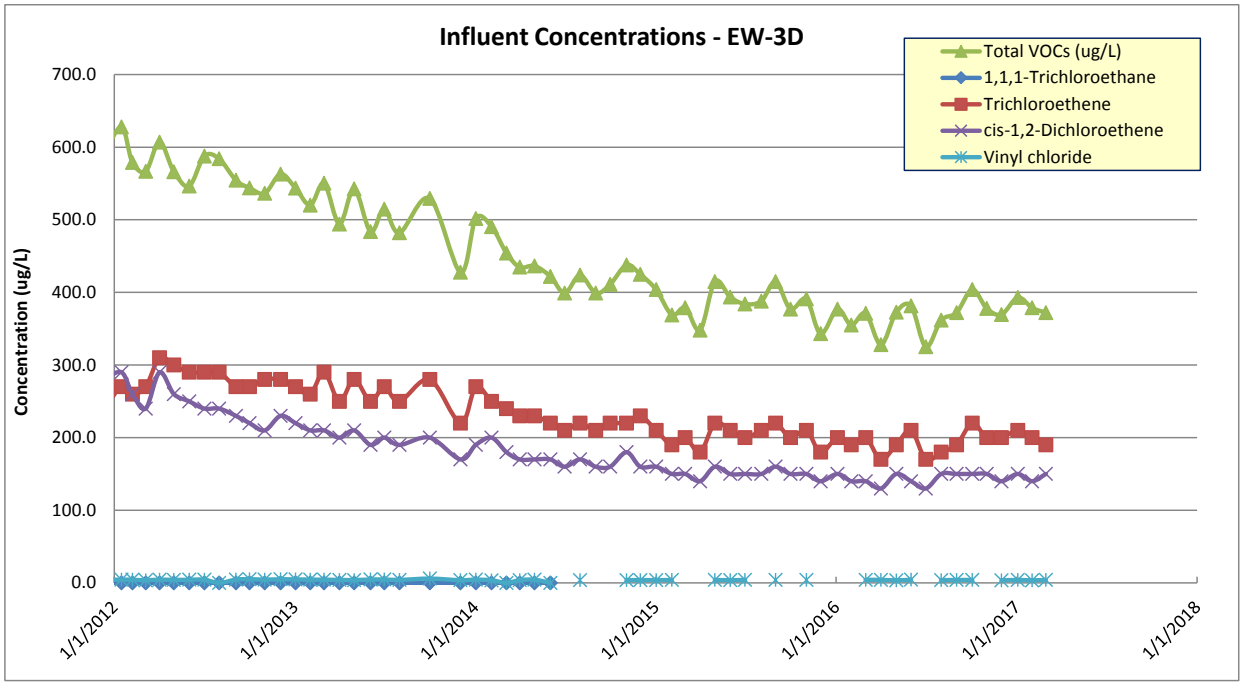
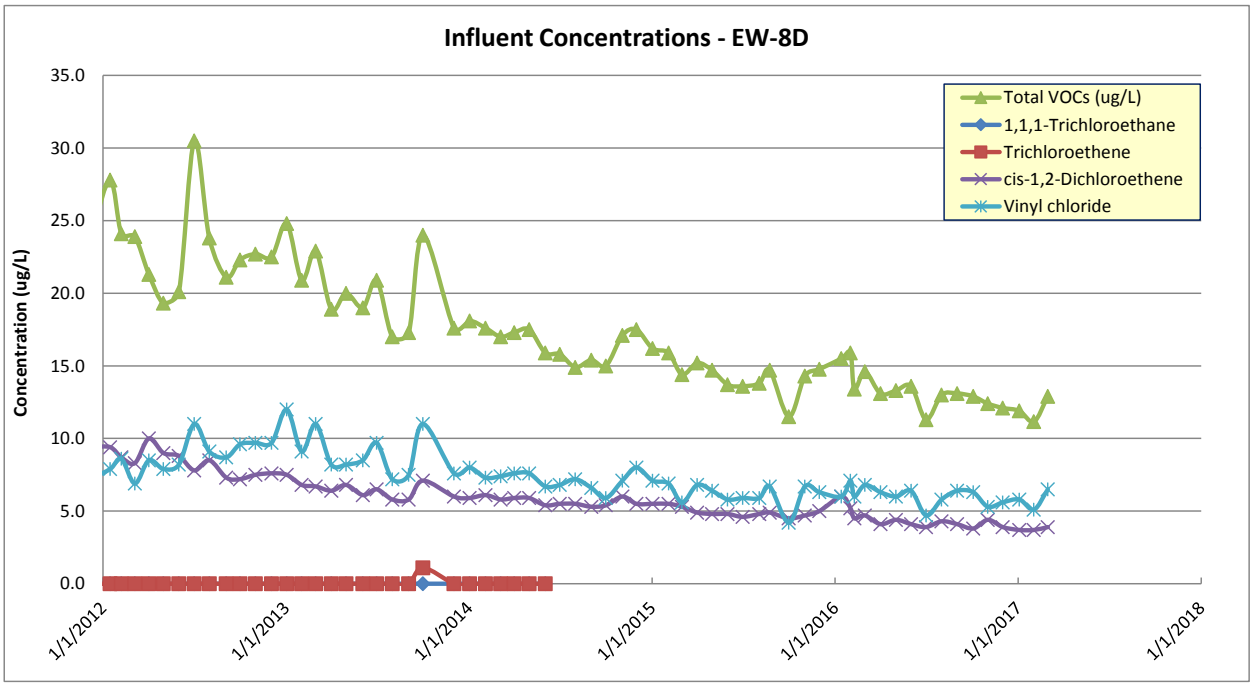


FIGURE 11
Total CVOC Concentration Plots – Extraction Wells





Appendices

Appendix A – IRM Groundwater Sampling Program QA/QC Results and Data Verification

APPENDIX A
QUALITY ASSURANCE/QUALITY CONTROL SUMMARY

Level A data verification was performed by O'Brien & Gere Engineers, Inc. to assess groundwater IRM performance monitoring data quality for samples collected during the First Quarter 2017 (February 21, 2017 through February 23, 2017). Data verification was performed in accordance with the *IRM Performance Monitoring Plan* dated December 2010. The data verification level (Level A) for the performance samples was selected based upon data use (screening and trend analysis) and the quality of the laboratory data. Data verification was utilized to confirm the quality of the laboratory (TestAmerica Buffalo, Inc. (TA Buffalo) of Amherst, New York), which has an established record of acceptable quality for target analyte data from the routine groundwater IRM performance monitoring program. The Level A data verification included review of: (1) laboratory documentation, (2) chain-of-custody (COC) documentation, (3) target analyte results, (4) laboratory data qualifiers, (5) laboratory quantitation limits and method detection limits, (6) laboratory blank analysis, and (7) quality control samples.

The results of the Level A data verification indicated the following:

- Laboratory documentation was complete.
- Chain-of-custody (COC) documentation was complete.
- Target analyte results and data qualifiers were reported in accordance with the project requirements.
- Laboratory blank and trip blank analysis did not indicate evidence of artifacts from the sampling or analytical process; therefore, the associated data is usable as reported.
- Laboratory quantitation limits are within the limits listed in the QAPP, except for acetone and 2-butanone which were reported as 10 µg/l (SAP QLs are 5 µg/l). The reporting limits for acetone and 2-butanone reported by TA Buffalo were revised from 5 µg/l to 10 µg/l.
- The matrix spike/matrix spike duplicate (MS/MSD) recoveries were within control limits, except for the MS/MSD recoveries and precision for analytical batches 480-345334 for trichloroethene and 480-345279 for tetrachloroethene and 1,1,2,2-tetrachloroethane, which were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) were within acceptance limits, therefore; the associated data is usable as reported. Affected samples included: 480-113833-B-8 MS, 480-113833-B-8 MSD, AF-7D-022217 (MS), and AF-7D-022217 (MSD).
- The surrogate recoveries for the samples were within control limits.
- The continuing calibration verification (CCV) results were within control limits, except for the CCV associated with batch 480-345334 due to recovery above the upper control limit (high biased) for 2-Hexanone. A reporting limit (RL) standard was analyzed, and the target analytes were detected. The samples associated with this CCV were non-detects for the affected analytes; therefore, the associated data is usable as reported. Affected samples included: OSMW-3D-022217, AF-7S-022217, and DUP-02-022217 (AF-7D).
- The laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were within control limits.
- Twelve samples (plus the MS/MSD samples for AF-7S) were diluted to bring the target analytes into the calibration range: AF-4P-022017, AF-7S-022217, AF-7S-022217 (MS), AF-7S-022217 (MSD), AF-25P-022017, OSMW-1S-022117, OSMW-3D-022217, OSMW-6D-022217, OSMW-11S-022117, OSMW-11D-022117, PMW-3P-022017, TMW-1P-022017, TMW-1S-022017, and TMW-2D-022217. Elevated reporting limits are provided.
- A significant headspace, defined as a bubble greater than 6 mm in diameter, was observed in the sample vial(s) for sample AF-7D-022217; however, the volatile sample was analyzed and reported. The results should be considered as estimated (J).

The overall usability for the performance monitoring data is acceptable for the intended use.

Appendix B – Analytical Laboratory Reports

(on CD)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-111778-1
TestAmerica Sample Delivery Group: 480-111778-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
1/9/2017 11:18:25 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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QC Sample Results 15
QC Association Summary 19
Lab Chronicle 20
Certification Summary 22
Method Summary 23
Sample Summary 24
Chain of Custody 25
Receipt Checklists 26

Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-111778-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-111778-1

Receipt
The samples were received on 1/4/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-7S 010317 (480-111778-1), EW-3D 010317 (480-111778-3), EW-3D 010317 (480-111778-3[MS]), EW-3D 010317 (480-111778-3[MSD]), EW-4P 010317 (480-111778-4), EW-5P 010317 (480-111778-5), EW-6P 010317 (480-111778-6) and ADP-100 010317 (480-111778-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: EW-7S 010317 (480-111778-1), EW-3D 010317 (480-111778-3[MSD]), EW-4P 010317 (480-111778-4) and EW-5P 010317 (480-111778-5). The samples were analyzed within 7 days per EPA recommendation.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-7S 010317 — Lab Sample ID: 480-111778-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	160		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	240		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-8D 010317 — Lab Sample ID: 480-111778-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.7		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	5.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3D 010317 — Lab Sample ID: 480-111778-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150	F1	4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	29		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	210	F1	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.0		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-4P 010317 — Lab Sample ID: 480-111778-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	91		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	25		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	9.8		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	26		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	170		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.6	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 010317 — Lab Sample ID: 480-111778-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	85		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	24		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	8.1		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.88	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	25		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.79	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	160		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.2		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: EW-6P 010317 — Lab Sample ID: 480-111778-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	34		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.1	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.77	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.94	J	2.0	0.72	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-6P 010317 (Continued) — Lab Sample ID: 480-111778-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 010317 — Lab Sample ID: 480-111778-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	37		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.5	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.83	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	14		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.3	J	2.0	0.72	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	2.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.8		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-7S 010317

Date Collected: 01/03/17 08:55
Date Received: 01/04/17 09:30

Lab Sample ID: 480-111778-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			01/04/17 15:03	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/04/17 15:03	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/04/17 15:03	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			01/04/17 15:03	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/04/17 15:03	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/04/17 15:03	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/04/17 15:03	4
2-Hexanone	ND		20	5.0	ug/L			01/04/17 15:03	4
2-Butanone (MEK)	ND		40	5.3	ug/L			01/04/17 15:03	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/04/17 15:03	4
Acetone	ND		40	12	ug/L			01/04/17 15:03	4
Benzene	ND		4.0	1.6	ug/L			01/04/17 15:03	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/04/17 15:03	4
Bromoform	ND		4.0	1.0	ug/L			01/04/17 15:03	4
Bromomethane	ND		4.0	2.8	ug/L			01/04/17 15:03	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/04/17 15:03	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/04/17 15:03	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/04/17 15:03	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/04/17 15:03	4
Chloroethane	ND		4.0	1.3	ug/L			01/04/17 15:03	4
Chloroform	ND		4.0	1.4	ug/L			01/04/17 15:03	4
Chloromethane	ND		4.0	1.4	ug/L			01/04/17 15:03	4
cis-1,2-Dichloroethene	**160**		4.0	3.2	ug/L			01/04/17 15:03	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/04/17 15:03	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/04/17 15:03	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/04/17 15:03	4
Styrene	ND		4.0	2.9	ug/L			01/04/17 15:03	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/04/17 15:03	4
Toluene	ND		4.0	2.0	ug/L			01/04/17 15:03	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			01/04/17 15:03	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/04/17 15:03	4
Trichloroethene	ND		4.0	1.8	ug/L			01/04/17 15:03	4
Vinyl chloride	**240**		4.0	3.6	ug/L			01/04/17 15:03	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/04/17 15:03	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/04/17 15:03*	*4*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/04/17 15:03*	*4*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*01/04/17 15:03*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/04/17 15:03*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-8D 010317

Date Collected: 01/03/17 08:58
Date Received: 01/04/17 09:30

Lab Sample ID: 480-111778-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/04/17 15:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/04/17 15:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/04/17 15:27	1
1,1-Dichloroethane	**1.0**		1.0	0.38	ug/L			01/04/17 15:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/04/17 15:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/04/17 15:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/04/17 15:27	1
2-Hexanone	ND		5.0	1.2	ug/L			01/04/17 15:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/04/17 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/04/17 15:27	1
Acetone	ND		10	3.0	ug/L			01/04/17 15:27	1
Benzene	ND		1.0	0.41	ug/L			01/04/17 15:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/04/17 15:27	1
Bromoform	ND		1.0	0.26	ug/L			01/04/17 15:27	1
Bromomethane	ND		1.0	0.69	ug/L			01/04/17 15:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/04/17 15:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/04/17 15:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/04/17 15:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/04/17 15:27	1
Chloroethane	ND		1.0	0.32	ug/L			01/04/17 15:27	1
Chloroform	ND		1.0	0.34	ug/L			01/04/17 15:27	1
Chloromethane	ND		1.0	0.35	ug/L			01/04/17 15:27	1
cis-1,2-Dichloroethene	**3.7**		1.0	0.81	ug/L			01/04/17 15:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/04/17 15:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/04/17 15:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/04/17 15:27	1
Styrene	ND		1.0	0.73	ug/L			01/04/17 15:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/04/17 15:27	1
Toluene	ND		1.0	0.51	ug/L			01/04/17 15:27	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.90	ug/L			01/04/17 15:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/04/17 15:27	1
Trichloroethene	ND		1.0	0.46	ug/L			01/04/17 15:27	1
Vinyl chloride	**5.8**		1.0	0.90	ug/L			01/04/17 15:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/04/17 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/04/17 15:27*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/04/17 15:27*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/04/17 15:27*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/04/17 15:27*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-3D 010317

Date Collected: 01/03/17 08:19
Date Received: 01/04/17 09:30

Lab Sample ID: 480-111778-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			01/04/17 15:51	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/04/17 15:51	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/04/17 15:51	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			01/04/17 15:51	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/04/17 15:51	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/04/17 15:51	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/04/17 15:51	4
2-Hexanone	ND		20	5.0	ug/L			01/04/17 15:51	4
2-Butanone (MEK)	ND		40	5.3	ug/L			01/04/17 15:51	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/04/17 15:51	4
Acetone	ND		40	12	ug/L			01/04/17 15:51	4
Benzene	ND		4.0	1.6	ug/L			01/04/17 15:51	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/04/17 15:51	4
Bromoform	ND		4.0	1.0	ug/L			01/04/17 15:51	4
Bromomethane	ND		4.0	2.8	ug/L			01/04/17 15:51	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/04/17 15:51	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/04/17 15:51	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/04/17 15:51	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/04/17 15:51	4
Chloroethane	ND		4.0	1.3	ug/L			01/04/17 15:51	4
Chloroform	ND		4.0	1.4	ug/L			01/04/17 15:51	4
Chloromethane	ND		4.0	1.4	ug/L			01/04/17 15:51	4
cis-1,2-Dichloroethene	**150**	**F1**	4.0	3.2	ug/L			01/04/17 15:51	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/04/17 15:51	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/04/17 15:51	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/04/17 15:51	4
Styrene	ND		4.0	2.9	ug/L			01/04/17 15:51	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/04/17 15:51	4
Toluene	ND		4.0	2.0	ug/L			01/04/17 15:51	4
trans-1,2-Dichloroethene	**29**		4.0	3.6	ug/L			01/04/17 15:51	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/04/17 15:51	4
Trichloroethene	**210**	**F1**	4.0	1.8	ug/L			01/04/17 15:51	4
Vinyl chloride	**4.0**		4.0	3.6	ug/L			01/04/17 15:51	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/04/17 15:51	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*01/04/17 15:51*	*4*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/04/17 15:51*	*4*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*01/04/17 15:51*	*4*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*01/04/17 15:51*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-4P 010317

Date Collected: 01/03/17 08:03
Date Received: 01/04/17 09:30

Lab Sample ID: 480-111778-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**91**		4.0	3.3	ug/L			01/04/17 16:15	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/04/17 16:15	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/04/17 16:15	4
1,1-Dichloroethane	**25**		4.0	1.5	ug/L			01/04/17 16:15	4
1,1-Dichloroethene	**9.8**		4.0	1.2	ug/L			01/04/17 16:15	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/04/17 16:15	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/04/17 16:15	4
2-Hexanone	ND		20	5.0	ug/L			01/04/17 16:15	4
2-Butanone (MEK)	ND		40	5.3	ug/L			01/04/17 16:15	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/04/17 16:15	4
Acetone	ND		40	12	ug/L			01/04/17 16:15	4
Benzene	ND		4.0	1.6	ug/L			01/04/17 16:15	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/04/17 16:15	4
Bromoform	ND		4.0	1.0	ug/L			01/04/17 16:15	4
Bromomethane	ND		4.0	2.8	ug/L			01/04/17 16:15	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/04/17 16:15	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/04/17 16:15	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/04/17 16:15	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/04/17 16:15	4
Chloroethane	ND		4.0	1.3	ug/L			01/04/17 16:15	4
Chloroform	ND		4.0	1.4	ug/L			01/04/17 16:15	4
Chloromethane	ND		4.0	1.4	ug/L			01/04/17 16:15	4
cis-1,2-Dichloroethene	**26**		4.0	3.2	ug/L			01/04/17 16:15	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/04/17 16:15	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/04/17 16:15	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/04/17 16:15	4
Styrene	ND		4.0	2.9	ug/L			01/04/17 16:15	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/04/17 16:15	4
Toluene	ND		4.0	2.0	ug/L			01/04/17 16:15	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			01/04/17 16:15	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/04/17 16:15	4
Trichloroethene	**170**		4.0	1.8	ug/L			01/04/17 16:15	4
Vinyl chloride	**3.6**	**J**	4.0	3.6	ug/L			01/04/17 16:15	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/04/17 16:15	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/04/17 16:15*	*4*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/04/17 16:15*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/04/17 16:15*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/04/17 16:15*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-5P 010317

Date Collected: 01/03/17 07:55
Date Received: 01/04/17 09:30

Lab Sample ID: 480-111778-5

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**85**		2.0	1.6	ug/L			01/04/17 16:39	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/04/17 16:39	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/04/17 16:39	2
1,1-Dichloroethane	**24**		2.0	0.76	ug/L			01/04/17 16:39	2
1,1-Dichloroethene	**8.1**		2.0	0.58	ug/L			01/04/17 16:39	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/04/17 16:39	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/04/17 16:39	2
2-Hexanone	ND		10	2.5	ug/L			01/04/17 16:39	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/04/17 16:39	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/04/17 16:39	2
Acetone	ND		20	6.0	ug/L			01/04/17 16:39	2
Benzene	ND		2.0	0.82	ug/L			01/04/17 16:39	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/04/17 16:39	2
Bromoform	ND		2.0	0.52	ug/L			01/04/17 16:39	2
Bromomethane	ND		2.0	1.4	ug/L			01/04/17 16:39	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/04/17 16:39	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/04/17 16:39	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/04/17 16:39	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/04/17 16:39	2
Chloroethane	ND		2.0	0.64	ug/L			01/04/17 16:39	2
Chloroform	**0.88**	**J**	2.0	0.68	ug/L			01/04/17 16:39	2
Chloromethane	ND		2.0	0.70	ug/L			01/04/17 16:39	2
cis-1,2-Dichloroethene	**25**		2.0	1.6	ug/L			01/04/17 16:39	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/04/17 16:39	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/04/17 16:39	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/04/17 16:39	2
Styrene	ND		2.0	1.5	ug/L			01/04/17 16:39	2
Tetrachloroethene	**0.79**	**J**	2.0	0.72	ug/L			01/04/17 16:39	2
Toluene	ND		2.0	1.0	ug/L			01/04/17 16:39	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/04/17 16:39	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/04/17 16:39	2
Trichloroethene	**160**		2.0	0.92	ug/L			01/04/17 16:39	2
Vinyl chloride	**3.2**		2.0	1.8	ug/L			01/04/17 16:39	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/04/17 16:39	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/04/17 16:39*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/04/17 16:39*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*01/04/17 16:39*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/04/17 16:39*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-6P 010317

Lab Sample ID: 480-111778-6

Date Collected: 01/03/17 07:42
Matrix: Water
Date Received: 01/04/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**34**		2.0	1.6	ug/L			01/04/17 17:04	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/04/17 17:04	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/04/17 17:04	2
1,1-Dichloroethane	**5.4**		2.0	0.76	ug/L			01/04/17 17:04	2
1,1-Dichloroethene	**1.1**	**J**	2.0	0.58	ug/L			01/04/17 17:04	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/04/17 17:04	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/04/17 17:04	2
2-Hexanone	ND		10	2.5	ug/L			01/04/17 17:04	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/04/17 17:04	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/04/17 17:04	2
Acetone	ND		20	6.0	ug/L			01/04/17 17:04	2
Benzene	ND		2.0	0.82	ug/L			01/04/17 17:04	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/04/17 17:04	2
Bromoform	ND		2.0	0.52	ug/L			01/04/17 17:04	2
Bromomethane	ND		2.0	1.4	ug/L			01/04/17 17:04	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/04/17 17:04	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/04/17 17:04	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/04/17 17:04	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/04/17 17:04	2
Chloroethane	ND		2.0	0.64	ug/L			01/04/17 17:04	2
Chloroform	**0.77**	**J**	2.0	0.68	ug/L			01/04/17 17:04	2
Chloromethane	ND		2.0	0.70	ug/L			01/04/17 17:04	2
cis-1,2-Dichloroethene	**10**		2.0	1.6	ug/L			01/04/17 17:04	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/04/17 17:04	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/04/17 17:04	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/04/17 17:04	2
Styrene	ND		2.0	1.5	ug/L			01/04/17 17:04	2
Tetrachloroethene	**0.94**	**J**	2.0	0.72	ug/L			01/04/17 17:04	2
Toluene	ND		2.0	1.0	ug/L			01/04/17 17:04	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/04/17 17:04	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/04/17 17:04	2
Trichloroethene	**110**		2.0	0.92	ug/L			01/04/17 17:04	2
Vinyl chloride	ND		2.0	1.8	ug/L			01/04/17 17:04	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/04/17 17:04	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/04/17 17:04*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/04/17 17:04*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/04/17 17:04*	*2*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*01/04/17 17:04*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: ADP-100 010317

Lab Sample ID: 480-111778-7

Date Collected: 01/03/17 07:40
Matrix: Water
Date Received: 01/04/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**37**		2.0	1.6	ug/L			01/04/17 17:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/04/17 17:28	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/04/17 17:28	2
1,1-Dichloroethane	**6.5**		2.0	0.76	ug/L			01/04/17 17:28	2
1,1-Dichloroethene	**1.5**	**J**	2.0	0.58	ug/L			01/04/17 17:28	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/04/17 17:28	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/04/17 17:28	2
2-Hexanone	ND		10	2.5	ug/L			01/04/17 17:28	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/04/17 17:28	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/04/17 17:28	2
Acetone	ND		20	6.0	ug/L			01/04/17 17:28	2
Benzene	ND		2.0	0.82	ug/L			01/04/17 17:28	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/04/17 17:28	2
Bromoform	ND		2.0	0.52	ug/L			01/04/17 17:28	2
Bromomethane	ND		2.0	1.4	ug/L			01/04/17 17:28	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/04/17 17:28	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/04/17 17:28	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/04/17 17:28	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/04/17 17:28	2
Chloroethane	ND		2.0	0.64	ug/L			01/04/17 17:28	2
Chloroform	**0.83**	**J**	2.0	0.68	ug/L			01/04/17 17:28	2
Chloromethane	ND		2.0	0.70	ug/L			01/04/17 17:28	2
cis-1,2-Dichloroethene	**14**		2.0	1.6	ug/L			01/04/17 17:28	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/04/17 17:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/04/17 17:28	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/04/17 17:28	2
Styrene	ND		2.0	1.5	ug/L			01/04/17 17:28	2
Tetrachloroethene	**1.3**	**J**	2.0	0.72	ug/L			01/04/17 17:28	2
Toluene	ND		2.0	1.0	ug/L			01/04/17 17:28	2
trans-1,2-Dichloroethene	**2.0**		2.0	1.8	ug/L			01/04/17 17:28	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/04/17 17:28	2
Trichloroethene	**120**		2.0	0.92	ug/L			01/04/17 17:28	2
Vinyl chloride	**2.8**		2.0	1.8	ug/L			01/04/17 17:28	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/04/17 17:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*01/04/17 17:28*	*2*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/04/17 17:28*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*01/04/17 17:28*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/04/17 17:28*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-111778-1	EW-7S 010317	103	99	103	102

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-111778-2	EW-8D 010317	103	96	98	104
480-111778-3	EW-3D 010317	108	99	104	107
480-111778-3 MS	EW-3D 010317	102	96	104	102
480-111778-3 MSD	EW-3D 010317	102	97	100	104
480-111778-4	EW-4P 010317	104	95	99	103
480-111778-5	EW-5P 010317	104	98	101	103
480-111778-6	EW-6P 010317	104	99	102	102
480-111778-7	ADP-100 010317	102	95	96	103
LCS 480-338744/5	Lab Control Sample	102	100	102	101
MB 480-338744/7	Method Blank	104	98	100	104

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-338744/7
Matrix: Water
Analysis Batch: 338744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/04/17 10:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/04/17 10:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/04/17 10:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/04/17 10:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/04/17 10:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/04/17 10:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/04/17 10:37	1
2-Hexanone	ND		5.0	1.2	ug/L			01/04/17 10:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/04/17 10:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/04/17 10:37	1
Acetone	ND		10	3.0	ug/L			01/04/17 10:37	1
Benzene	ND		1.0	0.41	ug/L			01/04/17 10:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/04/17 10:37	1
Bromoform	ND		1.0	0.26	ug/L			01/04/17 10:37	1
Bromomethane	ND		1.0	0.69	ug/L			01/04/17 10:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/04/17 10:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/04/17 10:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/04/17 10:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/04/17 10:37	1
Chloroethane	ND		1.0	0.32	ug/L			01/04/17 10:37	1
Chloroform	ND		1.0	0.34	ug/L			01/04/17 10:37	1
Chloromethane	ND		1.0	0.35	ug/L			01/04/17 10:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/04/17 10:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/04/17 10:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/04/17 10:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/04/17 10:37	1
Styrene	ND		1.0	0.73	ug/L			01/04/17 10:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/04/17 10:37	1
Toluene	ND		1.0	0.51	ug/L			01/04/17 10:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/04/17 10:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/04/17 10:37	1
Trichloroethene	ND		1.0	0.46	ug/L			01/04/17 10:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/04/17 10:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/04/17 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/04/17 10:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/04/17 10:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/04/17 10:37*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/04/17 10:37*	*1*

Lab Sample ID: LCS 480-338744/5
Matrix: Water
Analysis Batch: 338744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.3		ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	76 - 120

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

Lab Sample ID: LCS 480-338744/5
Matrix: Water
Analysis Batch: 338744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	21.7		ug/L		87	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	20.2		ug/L		81	66 - 127
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	23.4		ug/L		94	76 - 120
2-Hexanone	125	127		ug/L		101	65 - 127
2-Butanone (MEK)	125	123		ug/L		99	57 - 140
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	113		ug/L		90	56 - 142
Benzene	25.0	21.3		ug/L		85	71 - 124
Bromodichloromethane	25.0	22.8		ug/L		91	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	19.0		ug/L		76	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	21.7		ug/L		87	80 - 120
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125
Chloroethane	25.0	23.3		ug/L		93	69 - 136
Chloroform	25.0	21.5		ug/L		86	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	22.1		ug/L		89	74 - 124
Ethylbenzene	25.0	22.0		ug/L		88	77 - 123
Methylene Chloride	25.0	22.1		ug/L		88	75 - 124
Styrene	25.0	22.5		ug/L		90	80 - 120
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	21.4		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	80 - 120
Trichloroethene	25.0	22.3		ug/L		89	74 - 123
Vinyl chloride	25.0	22.7		ug/L		91	65 - 133
Xylenes, Total	50.0	44.1		ug/L		88	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

Lab Sample ID: 480-111778-3 MS
Matrix: Water
Analysis Batch: 338744

Client Sample ID: EW-3D 010317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	92.8		ug/L		93	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	89.5		ug/L		89	76 - 120
1,1,2-Trichloroethane	ND		100	86.6		ug/L		87	76 - 122
1,1-Dichloroethane	ND		100	92.6		ug/L		93	77 - 120

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

Lab Sample ID: 480-111778-3 MS
Matrix: Water
Analysis Batch: 338744

Client Sample ID: EW-3D 010317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		100	86.3		ug/L		86	66 - 127
1,2-Dichloroethane	ND		100	92.7		ug/L		93	75 - 120
1,2-Dichloropropane	ND		100	92.1		ug/L		92	76 - 120
2-Hexanone	ND		500	476		ug/L		95	65 - 127
2-Butanone (MEK)	ND		500	463		ug/L		93	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	486		ug/L		97	71 - 125
Acetone	ND		500	414		ug/L		83	56 - 142
Benzene	ND		100	89.3		ug/L		89	71 - 124
Bromodichloromethane	ND		100	94.7		ug/L		95	80 - 122
Bromoform	ND		100	85.4		ug/L		85	61 - 132
Bromomethane	ND		100	103		ug/L		103	55 - 144
Carbon disulfide	ND		100	80.3		ug/L		80	59 - 134
Carbon tetrachloride	ND		100	97.4		ug/L		97	72 - 134
Chlorobenzene	ND		100	88.8		ug/L		89	80 - 120
Dibromochloromethane	ND		100	90.8		ug/L		91	75 - 125
Chloroethane	ND		100	101		ug/L		101	69 - 136
Chloroform	ND		100	87.8		ug/L		88	73 - 127
Chloromethane	ND		100	101		ug/L		101	68 - 124
cis-1,2-Dichloroethene	150	F1	100	216	F1	ug/L		69	74 - 124
cis-1,3-Dichloropropene	ND		100	89.0		ug/L		89	74 - 124
Ethylbenzene	ND		100	88.9		ug/L		89	77 - 123
Methylene Chloride	ND		100	94.0		ug/L		94	75 - 124
Styrene	ND		100	91.3		ug/L		91	80 - 120
Tetrachloroethene	ND		100	89.1		ug/L		89	74 - 122
Toluene	ND		100	85.4		ug/L		85	80 - 122
trans-1,2-Dichloroethene	29		100	116		ug/L		87	73 - 127
trans-1,3-Dichloropropene	ND		100	87.4		ug/L		87	80 - 120
Trichloroethene	210	F1	100	273	F1	ug/L		61	74 - 123
Vinyl chloride	4.0		100	104		ug/L		100	65 - 133
Xylenes, Total	ND		200	179		ug/L		90	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-111778-3 MSD
Matrix: Water
Analysis Batch: 338744

Client Sample ID: EW-3D 010317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	93.9		ug/L		94	73 - 126	1	15
1,1,2,2-Tetrachloroethane	ND		100	88.2		ug/L		88	76 - 120	1	15
1,1,2-Trichloroethane	ND		100	83.4		ug/L		83	76 - 122	4	15
1,1-Dichloroethane	ND		100	93.9		ug/L		94	77 - 120	1	20
1,1-Dichloroethene	ND		100	85.1		ug/L		85	66 - 127	1	16
1,2-Dichloroethane	ND		100	94.4		ug/L		94	75 - 120	2	20

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

Lab Sample ID: 480-111778-3 MSD
Matrix: Water
Analysis Batch: 338744

Client Sample ID: EW-3D 010317
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		100	92.8		ug/L		93	76 - 120	1	20
2-Hexanone	ND		500	482		ug/L		96	65 - 127	1	15
2-Butanone (MEK)	ND		500	476		ug/L		95	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND		500	492		ug/L		98	71 - 125	1	35
Acetone	ND		500	430		ug/L		86	56 - 142	4	15
Benzene	ND		100	89.4		ug/L		89	71 - 124	0	13
Bromodichloromethane	ND		100	94.2		ug/L		94	80 - 122	1	15
Bromoform	ND		100	85.2		ug/L		85	61 - 132	0	15
Bromomethane	ND		100	100		ug/L		100	55 - 144	3	15
Carbon disulfide	ND		100	78.7		ug/L		79	59 - 134	2	15
Carbon tetrachloride	ND		100	96.0		ug/L		96	72 - 134	1	15
Chlorobenzene	ND		100	86.3		ug/L		86	80 - 120	3	25
Dibromochloromethane	ND		100	88.5		ug/L		89	75 - 125	3	15
Chloroethane	ND		100	99.5		ug/L		99	69 - 136	2	15
Chloroform	ND		100	89.5		ug/L		89	73 - 127	2	20
Chloromethane	ND		100	100		ug/L		100	68 - 124	1	15
cis-1,2-Dichloroethene	150	F1	100	215	F1	ug/L		68	74 - 124	0	15
cis-1,3-Dichloropropene	ND		100	88.3		ug/L		88	74 - 124	1	15
Ethylbenzene	ND		100	86.1		ug/L		86	77 - 123	3	15
Methylene Chloride	ND		100	94.8		ug/L		95	75 - 124	1	15
Styrene	ND		100	89.2		ug/L		89	80 - 120	2	20
Tetrachloroethene	ND		100	90.2		ug/L		90	74 - 122	1	20
Toluene	ND		100	85.5		ug/L		86	80 - 122	0	15
trans-1,2-Dichloroethene	29		100	114		ug/L		85	73 - 127	2	20
trans-1,3-Dichloropropene	ND		100	87.3		ug/L		87	80 - 120	0	15
Trichloroethene	210	F1	100	269	F1	ug/L		57	74 - 123	2	16
Vinyl chloride	4.0		100	103		ug/L		99	65 - 133	2	15
Xylenes, Total	ND		200	172		ug/L		86	76 - 122	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

GC/MS VOA

Analysis Batch: 338744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111778-1	EW-7S 010317	Total/NA	Ground Water	8260C	
480-111778-2	EW-8D 010317	Total/NA	Water	8260C	
480-111778-3	EW-3D 010317	Total/NA	Water	8260C	
480-111778-4	EW-4P 010317	Total/NA	Water	8260C	
480-111778-5	EW-5P 010317	Total/NA	Water	8260C	
480-111778-6	EW-6P 010317	Total/NA	Water	8260C	
480-111778-7	ADP-100 010317	Total/NA	Water	8260C	
MB 480-338744/7	Method Blank	Total/NA	Water	8260C	
LCS 480-338744/5	Lab Control Sample	Total/NA	Water	8260C	
480-111778-3 MS	EW-3D 010317	Total/NA	Water	8260C	
480-111778-3 MSD	EW-3D 010317	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: EW-7S 010317 — Lab Sample ID: 480-111778-1

Date Collected: 01/03/17 08:55 — **Matrix: Ground Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	338744	01/04/17 15:03	RRS	TAL BUF

Client Sample ID: EW-8D 010317 — Lab Sample ID: 480-111778-2

Date Collected: 01/03/17 08:58 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	338744	01/04/17 15:27	RRS	TAL BUF

Client Sample ID: EW-3D 010317 — Lab Sample ID: 480-111778-3

Date Collected: 01/03/17 08:19 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	338744	01/04/17 15:51	RRS	TAL BUF

Client Sample ID: EW-4P 010317 — Lab Sample ID: 480-111778-4

Date Collected: 01/03/17 08:03 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	338744	01/04/17 16:15	RRS	TAL BUF

Client Sample ID: EW-5P 010317 — Lab Sample ID: 480-111778-5

Date Collected: 01/03/17 07:55 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	338744	01/04/17 16:39	RRS	TAL BUF

Client Sample ID: EW-6P 010317 — Lab Sample ID: 480-111778-6

Date Collected: 01/03/17 07:42 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	338744	01/04/17 17:04	RRS	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Client Sample ID: ADP-100 010317

Lab Sample ID: 480-111778-7

Date Collected: 01/03/17 07:40
Matrix: Water
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	338744	01/04/17 17:28	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111778-1
SDG: 480-111778-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111778-1	EW-7S 010317	Ground Water	01/03/17 08:55	01/04/17 09:30
480-111778-2	EW-8D 010317	Water	01/03/17 08:58	01/04/17 09:30
480-111778-3	EW-3D 010317	Water	01/03/17 08:19	01/04/17 09:30
480-111778-4	EW-4P 010317	Water	01/03/17 08:03	01/04/17 09:30
480-111778-5	EW-5P 010317	Water	01/03/17 07:55	01/04/17 09:30
480-111778-6	EW-6P 010317	Water	01/03/17 07:42	01/04/17 09:30
480-111778-7	ADP-100 010317	Water	01/03/17 07:40	01/04/17 09:30

48003453

Buffalo

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CINCINNATI

210501

Client: O'Brien & Gere	Project Manager: Tony Finch	Date: 1-3-17	Chain of Custody Number: 291731
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 248-477-5701	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45215	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131127			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs (8260B)	Special Instructions/ Conditions of Receipt
EW-7S 010317	1-3-17	8:55		X							3				X	
EW-8D 010317		8:58		X							3				X	
EW-3D 010317		8:09		X							3				X	
EW-4P 010317		9:03		X							3				X	
EW-5P 010317		7:55		X							3				X	
EW-6P 010317		7:42		X							3				X	
ADR-100 010317		7:40		X							3				X	

Analysis (Attach list if more space is needed)

480-111776 C1

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tony Finch	1-3-17	10:29	1. Received By: Skelock	1/3/17	1029
2. Relinquished By:	1/3/17	1029	2. Received By:	1/4/17	0930
3. Relinquished By			3. Received By		

Comments: Use Trip Blank w/ COC #291730

2.0 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-111778-1
SDG Number: 480-111778-1

Login Number: 111778
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-112985-1
TestAmerica Sample Delivery Group: 480-112359-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
2/8/2017 1:19:21 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

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.
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-112985-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-112985-1

Receipt
The samples were received on 2/2/2017 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-342720 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.The following samples are impacted: EW-7S 020117 (480-112985-1), EW-8D 020117 (480-112985-2), EW-3D 020117 (480-112985-3), EW-5P 020117 (480-112985-4), EW-6P 020117 (480-112985-5) and ADP-100 020117 (480-112985-6).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-342720 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: EW-7S 020117 (480-112985-1), EW-8D 020117 (480-112985-2), EW-3D 020117 (480-112985-3), EW-5P 020117 (480-112985-4), EW-6P 020117 (480-112985-5) and ADP-100 020117 (480-112985-6).

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-7S 020117 (480-112985-1), EW-3D 020117 (480-112985-3), EW-3D 020117 (480-112985-3[MS]), EW-3D 020117 (480-112985-3[MSD]), EW-5P 020117 (480-112985-4), EW-6P 020117 (480-112985-5) and ADP-100 020117 (480-112985-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-342720 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. The following sample is impacted: EW-3D 020117 (480-112985-3[MS]) and EW-3D 020117 (480-112985-3[MSD]).

Method(s) 8260C: The analyte Methylene Chloride was detected in the dilution analysis of samples EW-7S 020117 (480-112985-1), EW-3D 020117 (480-112985-3), EW-6P 020117 (480-112985-5) and ADP-100 020117 (480-112985-6). Additional manipulation of the sample is required to analyze a sample at a dilution, therefore, the sample detections for Methylene Chloride in the analysis may potentially be due to laboratory contamination and should be evaluated accordingly.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-7S 020117 — Lab Sample ID: 480-112985-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	180		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	12		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	230		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-8D 020117 — Lab Sample ID: 480-112985-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.96	J	1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.7		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	5.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3D 020117 — Lab Sample ID: 480-112985-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	140		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	9.1	F1	4.0	1.8	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	26		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	200	F1	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.6	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 020117 — Lab Sample ID: 480-112985-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	69		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	18		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	6.1		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.74	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	21		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	7.6		2.0	0.88	ug/L	2		8260C	Total/NA
Trichloroethene	140		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.1		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: EW-6P 020117 — Lab Sample ID: 480-112985-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	34		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.1	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.93	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	9.9		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	9.0		2.0	0.88	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.98	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 020117 — Lab Sample ID: 480-112985-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	36		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.3		2.0	0.76	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Buffalo

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: ADP-100 020117 (Continued)

Lab Sample ID: 480-112985-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	1.3	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.78	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	14		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	8.0		2.0	0.88	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.2	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.4		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-7S 020117

Date Collected: 02/01/17 10:27
Date Received: 02/02/17 09:15

Lab Sample ID: 480-112985-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/06/17 13:44	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/06/17 13:44	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/06/17 13:44	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			02/06/17 13:44	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/06/17 13:44	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/06/17 13:44	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/06/17 13:44	4
2-Hexanone	ND		20	5.0	ug/L			02/06/17 13:44	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/06/17 13:44	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/06/17 13:44	4
Acetone	ND		40	12	ug/L			02/06/17 13:44	4
Benzene	ND		4.0	1.6	ug/L			02/06/17 13:44	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/06/17 13:44	4
Bromoform	ND	*	4.0	1.0	ug/L			02/06/17 13:44	4
Bromomethane	ND		4.0	2.8	ug/L			02/06/17 13:44	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/06/17 13:44	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/06/17 13:44	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/06/17 13:44	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/06/17 13:44	4
Chloroethane	ND		4.0	1.3	ug/L			02/06/17 13:44	4
Chloroform	ND		4.0	1.4	ug/L			02/06/17 13:44	4
Chloromethane	ND		4.0	1.4	ug/L			02/06/17 13:44	4
cis-1,2-Dichloroethene	**180**		4.0	3.2	ug/L			02/06/17 13:44	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/06/17 13:44	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/06/17 13:44	4
Methylene Chloride	**12**		4.0	1.8	ug/L			02/06/17 13:44	4
Styrene	ND		4.0	2.9	ug/L			02/06/17 13:44	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/06/17 13:44	4
Toluene	ND		4.0	2.0	ug/L			02/06/17 13:44	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/06/17 13:44	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/06/17 13:44	4
Trichloroethene	ND		4.0	1.8	ug/L			02/06/17 13:44	4
Vinyl chloride	**230**		4.0	3.6	ug/L			02/06/17 13:44	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/06/17 13:44	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/06/17 13:44*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/06/17 13:44*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/06/17 13:44*	*4*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/06/17 13:44*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-8D 020117

Lab Sample ID: 480-112985-2

Date Collected: 02/01/17 10:25

Matrix: Ground Water

Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/17 14:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/17 14:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/17 14:08	1
1,1-Dichloroethane	**0.96**	**J**	1.0	0.38	ug/L			02/06/17 14:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/17 14:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/17 14:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/17 14:08	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/17 14:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/17 14:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/17 14:08	1
Acetone	ND		10	3.0	ug/L			02/06/17 14:08	1
Benzene	ND		1.0	0.41	ug/L			02/06/17 14:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/17 14:08	1
Bromoform	ND	*	1.0	0.26	ug/L			02/06/17 14:08	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/17 14:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/17 14:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/17 14:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/17 14:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/17 14:08	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/17 14:08	1
Chloroform	ND		1.0	0.34	ug/L			02/06/17 14:08	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/17 14:08	1
cis-1,2-Dichloroethene	**3.7**		1.0	0.81	ug/L			02/06/17 14:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/17 14:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/17 14:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/17 14:08	1
Styrene	ND		1.0	0.73	ug/L			02/06/17 14:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/17 14:08	1
Toluene	ND		1.0	0.51	ug/L			02/06/17 14:08	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.90	ug/L			02/06/17 14:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/17 14:08	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/17 14:08	1
Vinyl chloride	**5.1**		1.0	0.90	ug/L			02/06/17 14:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/17 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/06/17 14:08*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/06/17 14:08*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/06/17 14:08*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/06/17 14:08*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-3D 020117

Lab Sample ID: 480-112985-3

Date Collected: 02/01/17 10:10

Matrix: Ground Water

Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/06/17 14:32	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/06/17 14:32	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/06/17 14:32	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			02/06/17 14:32	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/06/17 14:32	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/06/17 14:32	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/06/17 14:32	4
2-Hexanone	ND		20	5.0	ug/L			02/06/17 14:32	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/06/17 14:32	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/06/17 14:32	4
Acetone	ND		40	12	ug/L			02/06/17 14:32	4
Benzene	ND		4.0	1.6	ug/L			02/06/17 14:32	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/06/17 14:32	4
Bromoform	ND	*	4.0	1.0	ug/L			02/06/17 14:32	4
Bromomethane	ND		4.0	2.8	ug/L			02/06/17 14:32	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/06/17 14:32	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/06/17 14:32	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/06/17 14:32	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/06/17 14:32	4
Chloroethane	ND		4.0	1.3	ug/L			02/06/17 14:32	4
Chloroform	ND		4.0	1.4	ug/L			02/06/17 14:32	4
Chloromethane	ND		4.0	1.4	ug/L			02/06/17 14:32	4
cis-1,2-Dichloroethene	**140**		4.0	3.2	ug/L			02/06/17 14:32	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/06/17 14:32	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/06/17 14:32	4
Methylene Chloride	**9.1**	**F1**	4.0	1.8	ug/L			02/06/17 14:32	4
Styrene	ND		4.0	2.9	ug/L			02/06/17 14:32	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/06/17 14:32	4
Toluene	ND		4.0	2.0	ug/L			02/06/17 14:32	4
trans-1,2-Dichloroethene	**26**		4.0	3.6	ug/L			02/06/17 14:32	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/06/17 14:32	4
Trichloroethene	**200**	**F1**	4.0	1.8	ug/L			02/06/17 14:32	4
Vinyl chloride	**3.6**	**J**	4.0	3.6	ug/L			02/06/17 14:32	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/06/17 14:32	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/06/17 14:32*	*4*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/06/17 14:32*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/06/17 14:32*	*4*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/06/17 14:32*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-5P 020117

Lab Sample ID: 480-112985-4

Date Collected: 02/01/17 09:55

Matrix: Water

Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**69**		2.0	1.6	ug/L			02/06/17 14:56	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/06/17 14:56	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/06/17 14:56	2
1,1-Dichloroethane	**18**		2.0	0.76	ug/L			02/06/17 14:56	2
1,1-Dichloroethene	**6.1**		2.0	0.58	ug/L			02/06/17 14:56	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/06/17 14:56	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/06/17 14:56	2
2-Hexanone	ND		10	2.5	ug/L			02/06/17 14:56	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/06/17 14:56	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/06/17 14:56	2
Acetone	ND		20	6.0	ug/L			02/06/17 14:56	2
Benzene	ND		2.0	0.82	ug/L			02/06/17 14:56	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/06/17 14:56	2
Bromoform	ND	*	2.0	0.52	ug/L			02/06/17 14:56	2
Bromomethane	ND		2.0	1.4	ug/L			02/06/17 14:56	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/06/17 14:56	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/06/17 14:56	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/06/17 14:56	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/06/17 14:56	2
Chloroethane	ND		2.0	0.64	ug/L			02/06/17 14:56	2
Chloroform	**0.74**	**J**	2.0	0.68	ug/L			02/06/17 14:56	2
Chloromethane	ND		2.0	0.70	ug/L			02/06/17 14:56	2
cis-1,2-Dichloroethene	**21**		2.0	1.6	ug/L			02/06/17 14:56	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/06/17 14:56	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/06/17 14:56	2
Methylene Chloride	**7.6**		2.0	0.88	ug/L			02/06/17 14:56	2
Styrene	ND		2.0	1.5	ug/L			02/06/17 14:56	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/06/17 14:56	2
Toluene	ND		2.0	1.0	ug/L			02/06/17 14:56	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/06/17 14:56	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/06/17 14:56	2
Trichloroethene	**140**		2.0	0.92	ug/L			02/06/17 14:56	2
Vinyl chloride	**2.1**		2.0	1.8	ug/L			02/06/17 14:56	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/06/17 14:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*02/06/17 14:56*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/06/17 14:56*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*02/06/17 14:56*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/06/17 14:56*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-6P 020117

Lab Sample ID: 480-112985-5

Date Collected: 02/01/17 09:32

Matrix: Ground Water

Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**34**		2.0	1.6	ug/L			02/06/17 15:19	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/06/17 15:19	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/06/17 15:19	2
1,1-Dichloroethane	**5.4**		2.0	0.76	ug/L			02/06/17 15:19	2
1,1-Dichloroethene	**1.1**	**J**	2.0	0.58	ug/L			02/06/17 15:19	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/06/17 15:19	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/06/17 15:19	2
2-Hexanone	ND		10	2.5	ug/L			02/06/17 15:19	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/06/17 15:19	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/06/17 15:19	2
Acetone	ND		20	6.0	ug/L			02/06/17 15:19	2
Benzene	ND		2.0	0.82	ug/L			02/06/17 15:19	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/06/17 15:19	2
Bromoform	ND	*	2.0	0.52	ug/L			02/06/17 15:19	2
Bromomethane	ND		2.0	1.4	ug/L			02/06/17 15:19	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/06/17 15:19	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/06/17 15:19	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/06/17 15:19	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/06/17 15:19	2
Chloroethane	ND		2.0	0.64	ug/L			02/06/17 15:19	2
Chloroform	**0.93**	**J**	2.0	0.68	ug/L			02/06/17 15:19	2
Chloromethane	ND		2.0	0.70	ug/L			02/06/17 15:19	2
cis-1,2-Dichloroethene	**9.9**		2.0	1.6	ug/L			02/06/17 15:19	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/06/17 15:19	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/06/17 15:19	2
Methylene Chloride	**9.0**		2.0	0.88	ug/L			02/06/17 15:19	2
Styrene	ND		2.0	1.5	ug/L			02/06/17 15:19	2
Tetrachloroethene	**0.98**	**J**	2.0	0.72	ug/L			02/06/17 15:19	2
Toluene	ND		2.0	1.0	ug/L			02/06/17 15:19	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/06/17 15:19	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/06/17 15:19	2
Trichloroethene	**110**		2.0	0.92	ug/L			02/06/17 15:19	2
Vinyl chloride	ND		2.0	1.8	ug/L			02/06/17 15:19	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/06/17 15:19	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/06/17 15:19*	*2*
Toluene-d8 (Surr)	*94*		*80 - 120*		*02/06/17 15:19*	*2*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/06/17 15:19*	*2*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*02/06/17 15:19*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: ADP-100 020117

Lab Sample ID: 480-112985-6

Date Collected: 02/01/17 09:30

Matrix: Ground Water

Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		2.0	1.6	ug/L			02/06/17 15:43	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/06/17 15:43	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/06/17 15:43	2
1,1-Dichloroethane	**6.3**		2.0	0.76	ug/L			02/06/17 15:43	2
1,1-Dichloroethene	**1.3**	**J**	2.0	0.58	ug/L			02/06/17 15:43	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/06/17 15:43	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/06/17 15:43	2
2-Hexanone	ND		10	2.5	ug/L			02/06/17 15:43	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/06/17 15:43	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/06/17 15:43	2
Acetone	ND		20	6.0	ug/L			02/06/17 15:43	2
Benzene	ND		2.0	0.82	ug/L			02/06/17 15:43	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/06/17 15:43	2
Bromoform	ND	*	2.0	0.52	ug/L			02/06/17 15:43	2
Bromomethane	ND		2.0	1.4	ug/L			02/06/17 15:43	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/06/17 15:43	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/06/17 15:43	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/06/17 15:43	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/06/17 15:43	2
Chloroethane	ND		2.0	0.64	ug/L			02/06/17 15:43	2
Chloroform	**0.78**	**J**	2.0	0.68	ug/L			02/06/17 15:43	2
Chloromethane	ND		2.0	0.70	ug/L			02/06/17 15:43	2
cis-1,2-Dichloroethene	**14**		2.0	1.6	ug/L			02/06/17 15:43	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/06/17 15:43	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/06/17 15:43	2
Methylene Chloride	**8.0**		2.0	0.88	ug/L			02/06/17 15:43	2
Styrene	ND		2.0	1.5	ug/L			02/06/17 15:43	2
Tetrachloroethene	**1.2**	**J**	2.0	0.72	ug/L			02/06/17 15:43	2
Toluene	ND		2.0	1.0	ug/L			02/06/17 15:43	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/06/17 15:43	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/06/17 15:43	2
Trichloroethene	**110**		2.0	0.92	ug/L			02/06/17 15:43	2
Vinyl chloride	**3.4**		2.0	1.8	ug/L			02/06/17 15:43	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/06/17 15:43	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/06/17 15:43*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/06/17 15:43*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/06/17 15:43*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/06/17 15:43*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-112985-1	EW-7S 020117	98	97	99	99
480-112985-2	EW-8D 020117	102	97	102	102
480-112985-3	EW-3D 020117	96	99	100	100
480-112985-3 MS	EW-3D 020117	93	98	102	97
480-112985-3 MSD	EW-3D 020117	102	96	102	107
480-112985-5	EW-6P 020117	98	94	99	101
480-112985-6	ADP-100 020117	101	97	100	103

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-112985-4	EW-5P 020117	95	98	97	99
LCS 480-342720/5	Lab Control Sample	97	97	104	102
MB 480-342720/7	Method Blank	97	99	101	98

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-342720/7
Matrix: Water
Analysis Batch: 342720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/17 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/17 10:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/17 10:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/17 10:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/17 10:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/17 10:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/17 10:56	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/17 10:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/17 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/17 10:56	1
Acetone	ND		10	3.0	ug/L			02/06/17 10:56	1
Benzene	ND		1.0	0.41	ug/L			02/06/17 10:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/17 10:56	1
Bromoform	ND		1.0	0.26	ug/L			02/06/17 10:56	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/17 10:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/17 10:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/17 10:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/17 10:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/17 10:56	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/17 10:56	1
Chloroform	ND		1.0	0.34	ug/L			02/06/17 10:56	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/17 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/17 10:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/17 10:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/17 10:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/17 10:56	1
Styrene	ND		1.0	0.73	ug/L			02/06/17 10:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/17 10:56	1
Toluene	ND		1.0	0.51	ug/L			02/06/17 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/17 10:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/17 10:56	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/17 10:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/17 10:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/17 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/06/17 10:56*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/06/17 10:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/06/17 10:56*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/06/17 10:56*	*1*

Lab Sample ID: LCS 480-342720/5
Matrix: Water
Analysis Batch: 342720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	76 - 120

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

Lab Sample ID: LCS 480-342720/5
Matrix: Water
Analysis Batch: 342720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.3		ug/L		89	66 - 127
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
2-Hexanone	125	117		ug/L		94	65 - 127
2-Butanone (MEK)	125	119		ug/L		96	57 - 140
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromodichloromethane	25.0	27.8		ug/L		111	80 - 122
Bromoform	25.0	33.4	*	ug/L		134	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	22.9		ug/L		92	59 - 134
Carbon tetrachloride	25.0	29.5		ug/L		118	72 - 134
Chlorobenzene	25.0	22.9		ug/L		92	80 - 120
Dibromochloromethane	25.0	29.6		ug/L		118	75 - 125
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	19.3		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Methylene Chloride	25.0	23.2		ug/L		93	75 - 124
Styrene	25.0	24.1		ug/L		97	80 - 120
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	22.7		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		103	80 - 120
Trichloroethene	25.0	23.6		ug/L		94	74 - 123
Vinyl chloride	25.0	20.1		ug/L		81	65 - 133
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: 480-112985-3 MS
Matrix: Ground Water
Analysis Batch: 342720

Client Sample ID: EW-3D 020117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	103		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	96.5		ug/L		96	76 - 120
1,1,2-Trichloroethane	ND		100	99.6		ug/L		100	76 - 122
1,1-Dichloroethane	ND		100	96.1		ug/L		96	77 - 120

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

Lab Sample ID: 480-112985-3 MS
Matrix: Ground Water
Analysis Batch: 342720

Client Sample ID: EW-3D 020117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		100	94.7		ug/L		95	66 - 127
1,2-Dichloroethane	ND		100	94.0		ug/L		94	75 - 120
1,2-Dichloropropane	ND		100	95.1		ug/L		95	76 - 120
2-Hexanone	ND		500	466		ug/L		93	65 - 127
2-Butanone (MEK)	ND		500	453		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	474		ug/L		95	71 - 125
Acetone	ND		500	424		ug/L		85	56 - 142
Benzene	ND		100	97.3		ug/L		97	71 - 124
Bromodichloromethane	ND		100	108		ug/L		108	80 - 122
Bromoform	ND	*	100	117		ug/L		117	61 - 132
Bromomethane	ND		100	91.1		ug/L		91	55 - 144
Carbon disulfide	ND		100	91.0		ug/L		91	59 - 134
Carbon tetrachloride	ND		100	118		ug/L		118	72 - 134
Chlorobenzene	ND		100	95.0		ug/L		95	80 - 120
Dibromochloromethane	ND		100	116		ug/L		116	75 - 125
Chloroethane	ND		100	93.5		ug/L		94	69 - 136
Chloroform	ND		100	94.9		ug/L		95	73 - 127
Chloromethane	ND		100	85.7		ug/L		86	68 - 124
cis-1,2-Dichloroethene	140		100	214		ug/L		77	74 - 124
cis-1,3-Dichloropropene	ND		100	98.5		ug/L		99	74 - 124
Ethylbenzene	ND		100	95.8		ug/L		96	77 - 123
Methylene Chloride	9.1	F1	100	121		ug/L		112	75 - 124
Styrene	ND		100	102		ug/L		102	80 - 120
Tetrachloroethene	ND		100	101		ug/L		101	74 - 122
Toluene	ND		100	97.1		ug/L		97	80 - 122
trans-1,2-Dichloroethene	26		100	120		ug/L		93	73 - 127
trans-1,3-Dichloropropene	ND		100	100		ug/L		100	80 - 120
Trichloroethene	200	F1	100	265	F1	ug/L		66	74 - 123
Vinyl chloride	3.6	J	100	91.3		ug/L		88	65 - 133
Xylenes, Total	ND		200	195		ug/L		98	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*77 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*97*		*75 - 123*

Lab Sample ID: 480-112985-3 MSD
Matrix: Ground Water
Analysis Batch: 342720

Client Sample ID: EW-3D 020117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	108		ug/L		108	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND		100	98.5		ug/L		98	76 - 120	2	15
1,1,2-Trichloroethane	ND		100	100		ug/L		100	76 - 122	0	15
1,1-Dichloroethane	ND		100	99.2		ug/L		99	77 - 120	3	20
1,1-Dichloroethene	ND		100	97.8		ug/L		98	66 - 127	3	16
1,2-Dichloroethane	ND		100	99.1		ug/L		99	75 - 120	5	20

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

Lab Sample ID: 480-112985-3 MSD
Matrix: Ground Water
Analysis Batch: 342720

Client Sample ID: EW-3D 020117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		100	98.1		ug/L		98	76 - 120	3	20
2-Hexanone	ND		500	463		ug/L		93	65 - 127	1	15
2-Butanone (MEK)	ND		500	508		ug/L		102	57 - 140	11	20
4-Methyl-2-pentanone (MIBK)	ND		500	466		ug/L		93	71 - 125	2	35
Acetone	ND		500	489		ug/L		98	56 - 142	14	15
Benzene	ND		100	101		ug/L		101	71 - 124	4	13
Bromodichloromethane	ND		100	114		ug/L		114	80 - 122	5	15
Bromoform	ND	*	100	121		ug/L		121	61 - 132	3	15
Bromomethane	ND		100	95.6		ug/L		96	55 - 144	5	15
Carbon disulfide	ND		100	93.5		ug/L		93	59 - 134	3	15
Carbon tetrachloride	ND		100	126		ug/L		126	72 - 134	7	15
Chlorobenzene	ND		100	93.4		ug/L		93	80 - 120	2	25
Dibromochloromethane	ND		100	115		ug/L		115	75 - 125	1	15
Chloroethane	ND		100	97.2		ug/L		97	69 - 136	4	15
Chloroform	ND		100	99.8		ug/L		100	73 - 127	5	20
Chloromethane	ND		100	88.4		ug/L		88	68 - 124	3	15
cis-1,2-Dichloroethene	140		100	226		ug/L		89	74 - 124	5	15
cis-1,3-Dichloropropene	ND		100	103		ug/L		103	74 - 124	5	15
Ethylbenzene	ND		100	93.7		ug/L		94	77 - 123	2	15
Methylene Chloride	9.1	F1	100	137	F1	ug/L		128	75 - 124	13	15
Styrene	ND		100	97.1		ug/L		97	80 - 120	5	20
Tetrachloroethene	ND		100	94.7		ug/L		95	74 - 122	7	20
Toluene	ND		100	93.6		ug/L		94	80 - 122	4	15
trans-1,2-Dichloroethene	26		100	123		ug/L		97	73 - 127	3	20
trans-1,3-Dichloropropene	ND		100	97.0		ug/L		97	80 - 120	3	15
Trichloroethene	200	F1	100	276		ug/L		78	74 - 123	4	16
Vinyl chloride	3.6	J	100	95.1		ug/L		92	65 - 133	4	15
Xylenes, Total	ND		200	189		ug/L		94	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

GC/MS VOA

Analysis Batch: 342720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-112985-1	EW-7S 020117	Total/NA	Ground Water	8260C	
480-112985-2	EW-8D 020117	Total/NA	Ground Water	8260C	
480-112985-3	EW-3D 020117	Total/NA	Ground Water	8260C	
480-112985-4	EW-5P 020117	Total/NA	Water	8260C	
480-112985-5	EW-6P 020117	Total/NA	Ground Water	8260C	
480-112985-6	ADP-100 020117	Total/NA	Ground Water	8260C	
MB 480-342720/7	Method Blank	Total/NA	Water	8260C	
LCS 480-342720/5	Lab Control Sample	Total/NA	Water	8260C	
480-112985-3 MS	EW-3D 020117	Total/NA	Ground Water	8260C	
480-112985-3 MSD	EW-3D 020117	Total/NA	Ground Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Client Sample ID: EW-7S 020117 — Lab Sample ID: 480-112985-1

Date Collected: 02/01/17 10:27 — **Matrix: Ground Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	342720	02/06/17 13:44	RRS	TAL BUF

Client Sample ID: EW-8D 020117 — Lab Sample ID: 480-112985-2

Date Collected: 02/01/17 10:25 — **Matrix: Ground Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	342720	02/06/17 14:08	RRS	TAL BUF

Client Sample ID: EW-3D 020117 — Lab Sample ID: 480-112985-3

Date Collected: 02/01/17 10:10 — **Matrix: Ground Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	342720	02/06/17 14:32	RRS	TAL BUF

Client Sample ID: EW-5P 020117 — Lab Sample ID: 480-112985-4

Date Collected: 02/01/17 09:55 — **Matrix: Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	342720	02/06/17 14:56	RRS	TAL BUF

Client Sample ID: EW-6P 020117 — Lab Sample ID: 480-112985-5

Date Collected: 02/01/17 09:32 — **Matrix: Ground Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	342720	02/06/17 15:19	RRS	TAL BUF

Client Sample ID: ADP-100 020117 — Lab Sample ID: 480-112985-6

Date Collected: 02/01/17 09:30 — **Matrix: Ground Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	342720	02/06/17 15:43	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112985-1
SDG: 480-112359-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-112985-1	EW-7S 020117	Ground Water	02/01/17 10:27	02/02/17 09:15
480-112985-2	EW-8D 020117	Ground Water	02/01/17 10:25	02/02/17 09:15
480-112985-3	EW-3D 020117	Ground Water	02/01/17 10:10	02/02/17 09:15
480-112985-4	EW-5P 020117	Water	02/01/17 09:55	02/02/17 09:15
480-112985-5	EW-6P 020117	Ground Water	02/01/17 09:32	02/02/17 09:15
480-112985-6	ADP-100 020117	Ground Water	02/01/17 09:30	02/02/17 09:15

[redacted]

Chain of Custody Record

Buffalo

480034155

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CINCINNATI 210501

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
O'Brien & Gere	Tony Finch	2-1-17	291734
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
8805 Governor's Hill Dr	248-477-5701		

City	State	Zip Code	Site Contact	Lab Contact
Cincinnati	OH	45249	Mike McLaughlin	John Schove

Project Name and Location (State): GE-FRM (Ohio)

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 11700083

Analysis (Attach list if more space is needed): VOCs (8260B)

Special Instructions/ Conditions of Receipt

480-112985 COC

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs (8260B)
EW-7S 020117	2-1-17	10:27		X							3				X
EW-8D 020117		10:25		X							3				X
EW-3D 020117		10:10		X							9				X
EW-5P 020117		9:55		X							3				X
EW-6P 020117		9:32		X							3				X
ADP-100 020117		9:30		X							3				X

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	2-1-17	12:36	1. [signature]	2/1/17	12:36
2. [signature]	2/1/17	1251	2. [signature]	2/2/17	0915
3.			3.		

Comments: Use Trip Blank w/ COC # 291735

310 #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-112985-1
SDG Number: 480-112359-1

Login Number: 112985
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-114183-1
TestAmerica Sample Delivery Group: 480-114183-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
3/10/2017 10:32:48 AM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-114183-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-114183-1

Receipt
The samples were received on 3/3/2017 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: EW-7S 030117 (480-114183-1), EW-3D 030117 (480-114183-3), EW-3D 030117 (480-114183-3[MS]), EW-3D 030117 (480-114183-3[MSD]), EW-5P 030117 (480-114183-4), EW-4P 030117 (480-114183-5), EW-2P 030117 (480-114183-6) and EW-6P 030117 (480-114183-7). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-346219 recovered above the upper control limit for: Carbon Tetrachloride and Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: EW-7S 030117 (480-114183-1), EW-8D 030117 (480-114183-2), EW-3D 030117 (480-114183-3), EW-5P 030117 (480-114183-4), EW-4P 030117 (480-114183-5), EW-2P 030117 (480-114183-6) and EW-6P 030117 (480-114183-7).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-346219 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: EW-7S 030117 (480-114183-1), EW-8D 030117 (480-114183-2), EW-3D 030117 (480-114183-3), EW-5P 030117 (480-114183-4), EW-4P 030117 (480-114183-5), EW-2P 030117 (480-114183-6) and EW-6P 030117 (480-114183-7).

Method(s) 8260C: The results reported for the following sample do not concur with results previously reported for this site: EW-7S 030117 (480-114183-1). Reanalysis was performed, and the result confirmed.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-7S 030117 — Lab Sample ID: 480-114183-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	69		4.0	3.2	ug/L	4		8260C	Total/NA
Vinyl chloride	110		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-8D 030117 — Lab Sample ID: 480-114183-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.9		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.5		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	6.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3D 030117 — Lab Sample ID: 480-114183-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	150		4.0	3.2	ug/L	4		8260C	Total/NA
trans-1,2-Dichloroethene	28		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	190		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.0		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 030117 — Lab Sample ID: 480-114183-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	85		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	22		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	8.6		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.87	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	25		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.87	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	170		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.0		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: EW-4P 030117 — Lab Sample ID: 480-114183-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	85		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	22		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	8.3		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	27		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	170		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW-2P 030117 — Lab Sample ID: 480-114183-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	110		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	12		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	5.5		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	3.0	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	13		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	230		5.0	2.3	ug/L	5		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-6P 030117 — Lab Sample ID: 480-114183-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	36		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.4	J	2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	0.88	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	10		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.90	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 030117 — Lab Sample ID: 480-114183-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.8		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	1.4		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	5.5		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-7S 030117

Date Collected: 03/01/17 08:15
Date Received: 03/03/17 10:00

Lab Sample ID: 480-114183-1

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			03/06/17 15:19	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/06/17 15:19	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/06/17 15:19	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			03/06/17 15:19	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/06/17 15:19	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/06/17 15:19	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/06/17 15:19	4
2-Hexanone	ND		20	5.0	ug/L			03/06/17 15:19	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/06/17 15:19	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/06/17 15:19	4
Acetone	ND		40	12	ug/L			03/06/17 15:19	4
Benzene	ND		4.0	1.6	ug/L			03/06/17 15:19	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/06/17 15:19	4
Bromoform	ND	*	4.0	1.0	ug/L			03/06/17 15:19	4
Bromomethane	ND		4.0	2.8	ug/L			03/06/17 15:19	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/06/17 15:19	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/06/17 15:19	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/06/17 15:19	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/06/17 15:19	4
Chloroethane	ND		4.0	1.3	ug/L			03/06/17 15:19	4
Chloroform	ND		4.0	1.4	ug/L			03/06/17 15:19	4
Chloromethane	ND		4.0	1.4	ug/L			03/06/17 15:19	4
cis-1,2-Dichloroethene	**69**		4.0	3.2	ug/L			03/06/17 15:19	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/06/17 15:19	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/06/17 15:19	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/06/17 15:19	4
Styrene	ND		4.0	2.9	ug/L			03/06/17 15:19	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/06/17 15:19	4
Toluene	ND		4.0	2.0	ug/L			03/06/17 15:19	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/06/17 15:19	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/06/17 15:19	4
Trichloroethene	ND		4.0	1.8	ug/L			03/06/17 15:19	4
Vinyl chloride	**110**		4.0	3.6	ug/L			03/06/17 15:19	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/06/17 15:19	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*03/06/17 15:19*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/06/17 15:19*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/06/17 15:19*	*4*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*03/06/17 15:19*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-8D 030117

Date Collected: 03/01/17 08:18
Date Received: 03/03/17 10:00

Lab Sample ID: 480-114183-2

Matrix: Ground Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/17 15:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/17 15:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/17 15:43	1
1,1-Dichloroethane	**1.0**		1.0	0.38	ug/L			03/06/17 15:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/17 15:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/17 15:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/17 15:43	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/17 15:43	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/17 15:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/17 15:43	1
Acetone	ND		10	3.0	ug/L			03/06/17 15:43	1
Benzene	ND		1.0	0.41	ug/L			03/06/17 15:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/17 15:43	1
Bromoform	ND	*	1.0	0.26	ug/L			03/06/17 15:43	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/17 15:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/17 15:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/17 15:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/17 15:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/17 15:43	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/17 15:43	1
Chloroform	ND		1.0	0.34	ug/L			03/06/17 15:43	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/17 15:43	1
cis-1,2-Dichloroethene	**3.9**		1.0	0.81	ug/L			03/06/17 15:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/17 15:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/17 15:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/17 15:43	1
Styrene	ND		1.0	0.73	ug/L			03/06/17 15:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/17 15:43	1
Toluene	ND		1.0	0.51	ug/L			03/06/17 15:43	1
trans-1,2-Dichloroethene	**1.5**		1.0	0.90	ug/L			03/06/17 15:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/17 15:43	1
Trichloroethene	ND		1.0	0.46	ug/L			03/06/17 15:43	1
Vinyl chloride	**6.5**		1.0	0.90	ug/L			03/06/17 15:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/17 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*03/06/17 15:43*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/06/17 15:43*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/06/17 15:43*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/06/17 15:43*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-3D 030117

Lab Sample ID: 480-114183-3

Date Collected: 03/01/17 06:50

Matrix: Ground Water

Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			03/06/17 16:07	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/06/17 16:07	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/06/17 16:07	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			03/06/17 16:07	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/06/17 16:07	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/06/17 16:07	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/06/17 16:07	4
2-Hexanone	ND		20	5.0	ug/L			03/06/17 16:07	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/06/17 16:07	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/06/17 16:07	4
Acetone	ND		40	12	ug/L			03/06/17 16:07	4
Benzene	ND		4.0	1.6	ug/L			03/06/17 16:07	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/06/17 16:07	4
Bromoform	ND	*	4.0	1.0	ug/L			03/06/17 16:07	4
Bromomethane	ND		4.0	2.8	ug/L			03/06/17 16:07	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/06/17 16:07	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/06/17 16:07	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/06/17 16:07	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/06/17 16:07	4
Chloroethane	ND		4.0	1.3	ug/L			03/06/17 16:07	4
Chloroform	ND		4.0	1.4	ug/L			03/06/17 16:07	4
Chloromethane	ND		4.0	1.4	ug/L			03/06/17 16:07	4
cis-1,2-Dichloroethene	**150**		4.0	3.2	ug/L			03/06/17 16:07	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/06/17 16:07	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/06/17 16:07	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/06/17 16:07	4
Styrene	ND		4.0	2.9	ug/L			03/06/17 16:07	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/06/17 16:07	4
Toluene	ND		4.0	2.0	ug/L			03/06/17 16:07	4
trans-1,2-Dichloroethene	**28**		4.0	3.6	ug/L			03/06/17 16:07	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/06/17 16:07	4
Trichloroethene	**190**		4.0	1.8	ug/L			03/06/17 16:07	4
Vinyl chloride	**4.0**		4.0	3.6	ug/L			03/06/17 16:07	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/06/17 16:07	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*03/06/17 16:07*	*4*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/06/17 16:07*	*4*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/06/17 16:07*	*4*
Dibromofluoromethane (Surr)	*113*		*75 - 123*		*03/06/17 16:07*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-5P 030117

Lab Sample ID: 480-114183-4

Date Collected: 03/01/17 06:32
Matrix: Water
Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**85**		2.0	1.6	ug/L			03/06/17 16:30	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/06/17 16:30	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/06/17 16:30	2
1,1-Dichloroethane	**22**		2.0	0.76	ug/L			03/06/17 16:30	2
1,1-Dichloroethene	**8.6**		2.0	0.58	ug/L			03/06/17 16:30	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/06/17 16:30	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/06/17 16:30	2
2-Hexanone	ND		10	2.5	ug/L			03/06/17 16:30	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/06/17 16:30	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/06/17 16:30	2
Acetone	ND		20	6.0	ug/L			03/06/17 16:30	2
Benzene	ND		2.0	0.82	ug/L			03/06/17 16:30	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/06/17 16:30	2
Bromoform	ND	*	2.0	0.52	ug/L			03/06/17 16:30	2
Bromomethane	ND		2.0	1.4	ug/L			03/06/17 16:30	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/06/17 16:30	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/06/17 16:30	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/06/17 16:30	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/06/17 16:30	2
Chloroethane	ND		2.0	0.64	ug/L			03/06/17 16:30	2
Chloroform	**0.87**	**J**	2.0	0.68	ug/L			03/06/17 16:30	2
Chloromethane	ND		2.0	0.70	ug/L			03/06/17 16:30	2
cis-1,2-Dichloroethene	**25**		2.0	1.6	ug/L			03/06/17 16:30	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/06/17 16:30	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/06/17 16:30	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/06/17 16:30	2
Styrene	ND		2.0	1.5	ug/L			03/06/17 16:30	2
Tetrachloroethene	**0.87**	**J**	2.0	0.72	ug/L			03/06/17 16:30	2
Toluene	ND		2.0	1.0	ug/L			03/06/17 16:30	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/06/17 16:30	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/06/17 16:30	2
Trichloroethene	**170**		2.0	0.92	ug/L			03/06/17 16:30	2
Vinyl chloride	**3.0**		2.0	1.8	ug/L			03/06/17 16:30	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/06/17 16:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*03/06/17 16:30*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/06/17 16:30*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/06/17 16:30*	*2*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*03/06/17 16:30*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-4P 030117

Lab Sample ID: 480-114183-5

Date Collected: 03/01/17 06:20

Matrix: Ground Water

Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**85**		4.0	3.3	ug/L			03/06/17 16:54	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/06/17 16:54	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/06/17 16:54	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			03/06/17 16:54	4
1,1-Dichloroethene	**8.3**		4.0	1.2	ug/L			03/06/17 16:54	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/06/17 16:54	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/06/17 16:54	4
2-Hexanone	ND		20	5.0	ug/L			03/06/17 16:54	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/06/17 16:54	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/06/17 16:54	4
Acetone	ND		40	12	ug/L			03/06/17 16:54	4
Benzene	ND		4.0	1.6	ug/L			03/06/17 16:54	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/06/17 16:54	4
Bromoform	ND	*	4.0	1.0	ug/L			03/06/17 16:54	4
Bromomethane	ND		4.0	2.8	ug/L			03/06/17 16:54	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/06/17 16:54	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/06/17 16:54	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/06/17 16:54	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/06/17 16:54	4
Chloroethane	ND		4.0	1.3	ug/L			03/06/17 16:54	4
Chloroform	ND		4.0	1.4	ug/L			03/06/17 16:54	4
Chloromethane	ND		4.0	1.4	ug/L			03/06/17 16:54	4
cis-1,2-Dichloroethene	**27**		4.0	3.2	ug/L			03/06/17 16:54	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/06/17 16:54	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/06/17 16:54	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/06/17 16:54	4
Styrene	ND		4.0	2.9	ug/L			03/06/17 16:54	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/06/17 16:54	4
Toluene	ND		4.0	2.0	ug/L			03/06/17 16:54	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/06/17 16:54	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/06/17 16:54	4
Trichloroethene	**170**		4.0	1.8	ug/L			03/06/17 16:54	4
Vinyl chloride	ND		4.0	3.6	ug/L			03/06/17 16:54	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/06/17 16:54	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*03/06/17 16:54*	*4*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/06/17 16:54*	*4*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/06/17 16:54*	*4*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*03/06/17 16:54*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-2P 030117

Lab Sample ID: 480-114183-6

Date Collected: 03/01/17 06:12
Matrix: Water
Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**110**		5.0	4.1	ug/L			03/06/17 17:17	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/06/17 17:17	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/06/17 17:17	5
1,1-Dichloroethane	**12**		5.0	1.9	ug/L			03/06/17 17:17	5
1,1-Dichloroethene	**5.5**		5.0	1.5	ug/L			03/06/17 17:17	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/06/17 17:17	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/06/17 17:17	5
2-Hexanone	ND		25	6.2	ug/L			03/06/17 17:17	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/06/17 17:17	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/06/17 17:17	5
Acetone	ND		50	15	ug/L			03/06/17 17:17	5
Benzene	ND		5.0	2.1	ug/L			03/06/17 17:17	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/06/17 17:17	5
Bromoform	ND	*	5.0	1.3	ug/L			03/06/17 17:17	5
Bromomethane	ND		5.0	3.5	ug/L			03/06/17 17:17	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/06/17 17:17	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/06/17 17:17	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/06/17 17:17	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/06/17 17:17	5
Chloroethane	ND		5.0	1.6	ug/L			03/06/17 17:17	5
Chloroform	**3.0**	**J**	5.0	1.7	ug/L			03/06/17 17:17	5
Chloromethane	ND		5.0	1.8	ug/L			03/06/17 17:17	5
cis-1,2-Dichloroethene	**13**		5.0	4.1	ug/L			03/06/17 17:17	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/06/17 17:17	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/06/17 17:17	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/06/17 17:17	5
Styrene	ND		5.0	3.7	ug/L			03/06/17 17:17	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/06/17 17:17	5
Toluene	ND		5.0	2.6	ug/L			03/06/17 17:17	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/06/17 17:17	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/06/17 17:17	5
Trichloroethene	**230**		5.0	2.3	ug/L			03/06/17 17:17	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/06/17 17:17	5
Xylenes, Total	ND		10	3.3	ug/L			03/06/17 17:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*03/06/17 17:17*	*5*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/06/17 17:17*	*5*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/06/17 17:17*	*5*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*03/06/17 17:17*	*5*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-6P 030117

Lab Sample ID: 480-114183-7

Date Collected: 03/01/17 06:05
Matrix: Ground Water
Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**36**		2.0	1.6	ug/L			03/06/17 17:41	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/06/17 17:41	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/06/17 17:41	2
1,1-Dichloroethane	**5.5**		2.0	0.76	ug/L			03/06/17 17:41	2
1,1-Dichloroethene	**1.4**	**J**	2.0	0.58	ug/L			03/06/17 17:41	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/06/17 17:41	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/06/17 17:41	2
2-Hexanone	ND		10	2.5	ug/L			03/06/17 17:41	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/06/17 17:41	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/06/17 17:41	2
Acetone	ND		20	6.0	ug/L			03/06/17 17:41	2
Benzene	ND		2.0	0.82	ug/L			03/06/17 17:41	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/06/17 17:41	2
Bromoform	ND	*	2.0	0.52	ug/L			03/06/17 17:41	2
Bromomethane	ND		2.0	1.4	ug/L			03/06/17 17:41	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/06/17 17:41	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/06/17 17:41	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/06/17 17:41	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/06/17 17:41	2
Chloroethane	ND		2.0	0.64	ug/L			03/06/17 17:41	2
Chloroform	**0.88**	**J**	2.0	0.68	ug/L			03/06/17 17:41	2
Chloromethane	ND		2.0	0.70	ug/L			03/06/17 17:41	2
cis-1,2-Dichloroethene	**10**		2.0	1.6	ug/L			03/06/17 17:41	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/06/17 17:41	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/06/17 17:41	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/06/17 17:41	2
Styrene	ND		2.0	1.5	ug/L			03/06/17 17:41	2
Tetrachloroethene	**0.90**	**J**	2.0	0.72	ug/L			03/06/17 17:41	2
Toluene	ND		2.0	1.0	ug/L			03/06/17 17:41	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/06/17 17:41	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/06/17 17:41	2
Trichloroethene	**120**		2.0	0.92	ug/L			03/06/17 17:41	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/06/17 17:41	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/06/17 17:41	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*03/06/17 17:41*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/06/17 17:41*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/06/17 17:41*	*2*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*03/06/17 17:41*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: ADP-100 030117

Lab Sample ID: 480-114183-8

Date Collected: 03/01/17 08:20
Matrix: Water
Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/07/17 07:04	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/17 07:04	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/17 07:04	1
1,1-Dichloroethane	**1.0**		1.0	0.38	ug/L			03/07/17 07:04	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/17 07:04	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/17 07:04	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/17 07:04	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/17 07:04	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/17 07:04	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/17 07:04	1
Acetone	ND		10	3.0	ug/L			03/07/17 07:04	1
Benzene	ND		1.0	0.41	ug/L			03/07/17 07:04	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/17 07:04	1
Bromoform	ND		1.0	0.26	ug/L			03/07/17 07:04	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/17 07:04	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/17 07:04	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/17 07:04	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/17 07:04	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/17 07:04	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/17 07:04	1
Chloroform	ND		1.0	0.34	ug/L			03/07/17 07:04	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/17 07:04	1
cis-1,2-Dichloroethene	**3.8**		1.0	0.81	ug/L			03/07/17 07:04	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/17 07:04	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/17 07:04	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/17 07:04	1
Styrene	ND		1.0	0.73	ug/L			03/07/17 07:04	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/17 07:04	1
Toluene	ND		1.0	0.51	ug/L			03/07/17 07:04	1
trans-1,2-Dichloroethene	**1.4**		1.0	0.90	ug/L			03/07/17 07:04	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/17 07:04	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/17 07:04	1
Vinyl chloride	**5.5**		1.0	0.90	ug/L			03/07/17 07:04	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/17 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*03/07/17 07:04*	*1*
Toluene-d8 (Surr)	*92*		*80 - 120*		*03/07/17 07:04*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/07/17 07:04*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/07/17 07:04*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Ground Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-114183-1	EW-7S 030117	106	97	100	114
480-114183-2	EW-8D 030117	110	96	100	111
480-114183-3	EW-3D 030117	108	98	100	113
480-114183-3 MS	EW-3D 030117	101	101	107	108
480-114183-3 MSD	EW-3D 030117	101	99	105	108
480-114183-5	EW-4P 030117	105	96	104	114
480-114183-7	EW-6P 030117	106	97	101	112

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-114183-4	EW-5P 030117	107	99	101	114
480-114183-6	EW-2P 030117	105	97	99	109
480-114183-8	ADP-100 030117	108	92	101	110
LCS 480-346219/5	Lab Control Sample	105	100	108	107
LCS 480-346357/4	Lab Control Sample	98	96	102	105
LCSD 480-346219/6	Lab Control Sample Dup	100	97	104	105
LCSD 480-346357/5	Lab Control Sample Dup	106	98	106	114
MB 480-346219/8	Method Blank	102	96	103	107
MB 480-346357/7	Method Blank	104	96	99	107

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-346219/8
Matrix: Water
Analysis Batch: 346219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/17 10:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/17 10:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/17 10:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/06/17 10:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/17 10:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/17 10:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/17 10:36	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/17 10:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/17 10:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/17 10:36	1
Acetone	ND		10	3.0	ug/L			03/06/17 10:36	1
Benzene	ND		1.0	0.41	ug/L			03/06/17 10:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/17 10:36	1
Bromoform	ND		1.0	0.26	ug/L			03/06/17 10:36	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/17 10:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/17 10:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/17 10:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/17 10:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/17 10:36	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/17 10:36	1
Chloroform	ND		1.0	0.34	ug/L			03/06/17 10:36	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/17 10:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/06/17 10:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/17 10:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/17 10:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/17 10:36	1
Styrene	ND		1.0	0.73	ug/L			03/06/17 10:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/17 10:36	1
Toluene	ND		1.0	0.51	ug/L			03/06/17 10:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/06/17 10:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/17 10:36	1
Trichloroethene	ND		1.0	0.46	ug/L			03/06/17 10:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/06/17 10:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/17 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/06/17 10:36*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/06/17 10:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/06/17 10:36*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*03/06/17 10:36*	*1*

Lab Sample ID: LCS 480-346219/5
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120

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

Lab Sample ID: LCS 480-346219/5
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	25.7		ug/L		103	66 - 127
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
2-Hexanone	125	116		ug/L		93	65 - 127
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	29.0		ug/L		116	80 - 122
Bromoform	25.0	33.3	*	ug/L		133	61 - 132
Bromomethane	25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	25.0	24.6		ug/L		98	59 - 134
Carbon tetrachloride	25.0	30.4		ug/L		122	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Dibromochloromethane	25.0	30.7		ug/L		123	75 - 125
Chloroethane	25.0	25.8		ug/L		103	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	26.1		ug/L		104	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Ethylbenzene	25.0	25.1		ug/L		101	77 - 123
Methylene Chloride	25.0	25.9		ug/L		103	75 - 124
Styrene	25.0	25.6		ug/L		102	80 - 120
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Vinyl chloride	25.0	27.8		ug/L		111	65 - 133
Xylenes, Total	50.0	50.6		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: LCSD 480-346219/6
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	73 - 126	10	15
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120	1	15
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122	10	15
1,1-Dichloroethane	25.0	23.2		ug/L		93	77 - 120	7	20

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

Lab Sample ID: LCSD 480-346219/6
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127	6	16
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120	4	20
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120	3	20
2-Hexanone	125	112		ug/L		89	65 - 127	4	15
2-Butanone (MEK)	125	110		ug/L		88	57 - 140	7	20
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125	4	35
Acetone	125	126		ug/L		101	56 - 142	5	15
Benzene	25.0	23.0		ug/L		92	71 - 124	7	13
Bromodichloromethane	25.0	27.4		ug/L		109	80 - 122	6	15
Bromoform	25.0	33.1		ug/L		132	61 - 132	1	15
Bromomethane	25.0	24.6		ug/L		98	55 - 144	9	15
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134	8	15
Carbon tetrachloride	25.0	28.5		ug/L		114	72 - 134	7	15
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120	7	25
Dibromochloromethane	25.0	29.6		ug/L		119	75 - 125	3	15
Chloroethane	25.0	23.0		ug/L		92	69 - 136	11	15
Chloroform	25.0	23.7		ug/L		95	73 - 127	6	20
Chloromethane	25.0	23.6		ug/L		94	68 - 124	10	15
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124	7	15
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124	3	15
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123	6	15
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124	8	15
Styrene	25.0	24.1		ug/L		96	80 - 120	6	20
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122	8	20
Toluene	25.0	23.0		ug/L		92	80 - 122	6	15
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127	8	20
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120	4	15
Trichloroethene	25.0	24.8		ug/L		99	74 - 123	6	16
Vinyl chloride	25.0	25.1		ug/L		101	65 - 133	10	15
Xylenes, Total	50.0	47.6		ug/L		95	76 - 122	6	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: 480-114183-3 MS
Matrix: Ground Water
Analysis Batch: 346219

Client Sample ID: EW-3D 030117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		100	116		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	95.8		ug/L		96	76 - 120
1,1,2-Trichloroethane	ND		100	103		ug/L		103	76 - 122
1,1-Dichloroethane	ND		100	105		ug/L		105	77 - 120
1,1-Dichloroethene	ND		100	113		ug/L		113	66 - 127
1,2-Dichloroethane	ND		100	106		ug/L		106	75 - 120

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

Lab Sample ID: 480-114183-3 MS
Matrix: Ground Water
Analysis Batch: 346219

Client Sample ID: EW-3D 030117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dichloropropane	ND		100	101		ug/L		101	76 - 120
2-Hexanone	ND		500	457		ug/L		91	65 - 127
2-Butanone (MEK)	ND		500	481		ug/L		96	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	443		ug/L		89	71 - 125
Acetone	ND		500	510		ug/L		102	56 - 142
Benzene	ND		100	106		ug/L		106	71 - 124
Bromodichloromethane	ND		100	119		ug/L		119	80 - 122
Bromoform	ND	*	100	125		ug/L		125	61 - 132
Bromomethane	ND		100	117		ug/L		117	55 - 144
Carbon disulfide	ND		100	103		ug/L		103	59 - 134
Carbon tetrachloride	ND		100	134		ug/L		134	72 - 134
Chlorobenzene	ND		100	105		ug/L		105	80 - 120
Dibromochloromethane	ND		100	120		ug/L		120	75 - 125
Chloroethane	ND		100	110		ug/L		110	69 - 136
Chloroform	ND		100	107		ug/L		107	73 - 127
Chloromethane	ND		100	112		ug/L		112	68 - 124
cis-1,2-Dichloroethene	150		100	236		ug/L		89	74 - 124
cis-1,3-Dichloropropene	ND		100	107		ug/L		107	74 - 124
Ethylbenzene	ND		100	105		ug/L		105	77 - 123
Methylene Chloride	ND		100	115		ug/L		115	75 - 124
Styrene	ND		100	107		ug/L		107	80 - 120
Tetrachloroethene	ND		100	113		ug/L		113	74 - 122
Toluene	ND		100	103		ug/L		103	80 - 122
trans-1,2-Dichloroethene	28		100	137		ug/L		109	73 - 127
trans-1,3-Dichloropropene	ND		100	106		ug/L		106	80 - 120
Trichloroethene	190		100	284		ug/L		91	74 - 123
Vinyl chloride	4.0		100	122		ug/L		118	65 - 133
Xylenes, Total	ND		200	209		ug/L		105	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: 480-114183-3 MSD
Matrix: Ground Water
Analysis Batch: 346219

Client Sample ID: EW-3D 030117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		100	111		ug/L		111	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		100	98.2		ug/L		98	76 - 120	2	15
1,1,2-Trichloroethane	ND		100	98.7		ug/L		99	76 - 122	4	15
1,1-Dichloroethane	ND		100	99.8		ug/L		100	77 - 120	5	20
1,1-Dichloroethene	ND		100	105		ug/L		105	66 - 127	7	16
1,2-Dichloroethane	ND		100	103		ug/L		103	75 - 120	3	20
1,2-Dichloropropane	ND		100	99.5		ug/L		99	76 - 120	2	20
2-Hexanone	ND		500	456		ug/L		91	65 - 127	0	15

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

Lab Sample ID: 480-114183-3 MSD
Matrix: Ground Water
Analysis Batch: 346219

Client Sample ID: EW-3D 030117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Butanone (MEK)	ND		500	467		ug/L		93	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND		500	432		ug/L		86	71 - 125	3	35
Acetone	ND		500	517		ug/L		103	56 - 142	1	15
Benzene	ND		100	104		ug/L		104	71 - 124	3	13
Bromodichloromethane	ND		100	118		ug/L		118	80 - 122	1	15
Bromoform	ND	*	100	122		ug/L		122	61 - 132	3	15
Bromomethane	ND		100	110		ug/L		110	55 - 144	6	15
Carbon disulfide	ND		100	97.7		ug/L		98	59 - 134	5	15
Carbon tetrachloride	ND		100	124		ug/L		124	72 - 134	8	15
Chlorobenzene	ND		100	100		ug/L		100	80 - 120	5	25
Dibromochloromethane	ND		100	119		ug/L		119	75 - 125	1	15
Chloroethane	ND		100	104		ug/L		104	69 - 136	6	15
Chloroform	ND		100	105		ug/L		105	73 - 127	2	20
Chloromethane	ND		100	103		ug/L		103	68 - 124	9	15
cis-1,2-Dichloroethene	150		100	230		ug/L		83	74 - 124	2	15
cis-1,3-Dichloropropene	ND		100	107		ug/L		107	74 - 124	0	15
Ethylbenzene	ND		100	101		ug/L		101	77 - 123	3	15
Methylene Chloride	ND		100	113		ug/L		113	75 - 124	2	15
Styrene	ND		100	102		ug/L		102	80 - 120	5	20
Tetrachloroethene	ND		100	106		ug/L		106	74 - 122	6	20
Toluene	ND		100	101		ug/L		101	80 - 122	2	15
trans-1,2-Dichloroethene	28		100	128		ug/L		100	73 - 127	7	20
trans-1,3-Dichloropropene	ND		100	102		ug/L		102	80 - 120	4	15
Trichloroethene	190		100	272		ug/L		79	74 - 123	4	16
Vinyl chloride	4.0		100	118		ug/L		114	65 - 133	3	15
Xylenes, Total	ND		200	202		ug/L		101	76 - 122	4	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: MB 480-346357/7
Matrix: Water
Analysis Batch: 346357

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/07/17 00:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/17 00:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/17 00:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/17 00:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/17 00:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/17 00:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/17 00:00	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/17 00:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/17 00:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/17 00:00	1

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

Lab Sample ID: MB 480-346357/7
Matrix: Water
Analysis Batch: 346357

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		10	3.0	ug/L			03/07/17 00:00	1
Benzene	ND		1.0	0.41	ug/L			03/07/17 00:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/17 00:00	1
Bromoform	ND		1.0	0.26	ug/L			03/07/17 00:00	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/17 00:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/17 00:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/17 00:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/17 00:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/17 00:00	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/17 00:00	1
Chloroform	ND		1.0	0.34	ug/L			03/07/17 00:00	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/17 00:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/17 00:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/17 00:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/17 00:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/17 00:00	1
Styrene	ND		1.0	0.73	ug/L			03/07/17 00:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/17 00:00	1
Toluene	ND		1.0	0.51	ug/L			03/07/17 00:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/17 00:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/17 00:00	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/17 00:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/17 00:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/17 00:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*03/07/17 00:00*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/07/17 00:00*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/07/17 00:00*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*03/07/17 00:00*	*1*

Lab Sample ID: LCS 480-346357/4
Matrix: Water
Analysis Batch: 346357

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.1		ug/L		88	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	76 - 120
1,1,2-Trichloroethane	25.0	22.5		ug/L		90	76 - 122
1,1-Dichloroethane	25.0	21.3		ug/L		85	77 - 120
1,1-Dichloroethene	25.0	19.9		ug/L		80	66 - 127
1,2-Dichloroethane	25.0	22.6		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	21.0		ug/L		84	76 - 120
2-Hexanone	125	112		ug/L		90	65 - 127
2-Butanone (MEK)	125	115		ug/L		92	57 - 140
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	164		ug/L		131	56 - 142
Benzene	25.0	21.3		ug/L		85	71 - 124

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

Lab Sample ID: LCS 480-346357/4
Matrix: Water
Analysis Batch: 346357

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	25.0	24.9		ug/L		100	80 - 122
Bromoform	25.0	28.6		ug/L		115	61 - 132
Bromomethane	25.0	24.9		ug/L		100	55 - 144
Carbon disulfide	25.0	19.3		ug/L		77	59 - 134
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134
Chlorobenzene	25.0	22.1		ug/L		88	80 - 120
Dibromochloromethane	25.0	26.1		ug/L		104	75 - 125
Chloroethane	25.0	23.0		ug/L		92	69 - 136
Chloroform	25.0	21.6		ug/L		86	73 - 127
Chloromethane	25.0	22.6		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	22.2		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	24.4		ug/L		98	74 - 124
Ethylbenzene	25.0	21.0		ug/L		84	77 - 123
Methylene Chloride	25.0	22.6		ug/L		90	75 - 124
Styrene	25.0	21.9		ug/L		88	80 - 120
Tetrachloroethene	25.0	21.5		ug/L		86	74 - 122
Toluene	25.0	20.5		ug/L		82	80 - 122
trans-1,2-Dichloroethene	25.0	21.1		ug/L		84	73 - 127
trans-1,3-Dichloropropene	25.0	23.5		ug/L		94	80 - 120
Trichloroethene	25.0	22.5		ug/L		90	74 - 123
Vinyl chloride	25.0	23.3		ug/L		93	65 - 133
Xylenes, Total	50.0	41.6		ug/L		83	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

Lab Sample ID: LCSD 480-346357/5
Matrix: Water
Analysis Batch: 346357

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	24.4		ug/L		98	73 - 126	10	15
1,1,2,2-Tetrachloroethane	25.0	22.2		ug/L		89	76 - 120	1	15
1,1,2-Trichloroethane	25.0	23.3		ug/L		93	76 - 122	4	15
1,1-Dichloroethane	25.0	23.1		ug/L		93	77 - 120	9	20
1,1-Dichloroethene	25.0	22.6		ug/L		90	66 - 127	13	16
1,2-Dichloroethane	25.0	24.6		ug/L		98	75 - 120	8	20
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120	12	20
2-Hexanone	125	114		ug/L		91	65 - 127	1	15
2-Butanone (MEK)	125	127		ug/L		101	57 - 140	9	20
4-Methyl-2-pentanone (MIBK)	125	104		ug/L		83	71 - 125	3	35
Acetone	125	172		ug/L		138	56 - 142	5	15
Benzene	25.0	23.2		ug/L		93	71 - 124	9	13
Bromodichloromethane	25.0	27.9		ug/L		111	80 - 122	11	15
Bromoform	25.0	30.2		ug/L		121	61 - 132	5	15

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

Lab Sample ID: LCSD 480-346357/5
Matrix: Water
Analysis Batch: 346357

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	25.0	26.2		ug/L		105	55 - 144	5	15
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134	10	15
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134	12	15
Chlorobenzene	25.0	23.1		ug/L		92	80 - 120	5	25
Dibromochloromethane	25.0	28.2		ug/L		113	75 - 125	8	15
Chloroethane	25.0	23.5		ug/L		94	69 - 136	2	15
Chloroform	25.0	24.5		ug/L		98	73 - 127	12	20
Chloromethane	25.0	23.3		ug/L		93	68 - 124	3	15
cis-1,2-Dichloroethene	25.0	23.9		ug/L		95	74 - 124	7	15
cis-1,3-Dichloropropene	25.0	26.3		ug/L		105	74 - 124	8	15
Ethylbenzene	25.0	22.4		ug/L		90	77 - 123	7	15
Methylene Chloride	25.0	25.6		ug/L		102	75 - 124	12	15
Styrene	25.0	23.7		ug/L		95	80 - 120	8	20
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122	10	20
Toluene	25.0	22.3		ug/L		89	80 - 122	9	15
trans-1,2-Dichloroethene	25.0	23.6		ug/L		95	73 - 127	11	20
trans-1,3-Dichloropropene	25.0	24.0		ug/L		96	80 - 120	2	15
Trichloroethene	25.0	24.3		ug/L		97	74 - 123	8	16
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133	3	15
Xylenes, Total	50.0	44.4		ug/L		89	76 - 122	7	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*114*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

GC/MS VOA

Analysis Batch: 346219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114183-1	EW-7S 030117	Total/NA	Ground Water	8260C	
480-114183-2	EW-8D 030117	Total/NA	Ground Water	8260C	
480-114183-3	EW-3D 030117	Total/NA	Ground Water	8260C	
480-114183-4	EW-5P 030117	Total/NA	Water	8260C	
480-114183-5	EW-4P 030117	Total/NA	Ground Water	8260C	
480-114183-6	EW-2P 030117	Total/NA	Water	8260C	
480-114183-7	EW-6P 030117	Total/NA	Ground Water	8260C	
MB 480-346219/8	Method Blank	Total/NA	Water	8260C	
LCS 480-346219/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-346219/6	Lab Control Sample Dup	Total/NA	Water	8260C	
480-114183-3 MS	EW-3D 030117	Total/NA	Ground Water	8260C	
480-114183-3 MSD	EW-3D 030117	Total/NA	Ground Water	8260C	

Analysis Batch: 346357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114183-8	ADP-100 030117	Total/NA	Water	8260C	
MB 480-346357/7	Method Blank	Total/NA	Water	8260C	
LCS 480-346357/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-346357/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-7S 030117 — Lab Sample ID: 480-114183-1

Date Collected: 03/01/17 08:15 — **Matrix: Ground Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	346219	03/06/17 15:19	ARS	TAL BUF

Client Sample ID: EW-8D 030117 — Lab Sample ID: 480-114183-2

Date Collected: 03/01/17 08:18 — **Matrix: Ground Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	346219	03/06/17 15:43	ARS	TAL BUF

Client Sample ID: EW-3D 030117 — Lab Sample ID: 480-114183-3

Date Collected: 03/01/17 06:50 — **Matrix: Ground Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	346219	03/06/17 16:07	ARS	TAL BUF

Client Sample ID: EW-5P 030117 — Lab Sample ID: 480-114183-4

Date Collected: 03/01/17 06:32 — **Matrix: Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	346219	03/06/17 16:30	ARS	TAL BUF

Client Sample ID: EW-4P 030117 — Lab Sample ID: 480-114183-5

Date Collected: 03/01/17 06:20 — **Matrix: Ground Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	346219	03/06/17 16:54	ARS	TAL BUF

Client Sample ID: EW-2P 030117 — Lab Sample ID: 480-114183-6

Date Collected: 03/01/17 06:12 — **Matrix: Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	346219	03/06/17 17:17	ARS	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Client Sample ID: EW-6P 030117

Lab Sample ID: 480-114183-7

Date Collected: 03/01/17 06:05
Matrix: Ground Water
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	346219	03/06/17 17:41	ARS	TAL BUF

Client Sample ID: ADP-100 030117

Lab Sample ID: 480-114183-8

Date Collected: 03/01/17 08:20
Matrix: Water
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	346357	03/07/17 07:04	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114183-1
SDG: 480-114183-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-114183-1	EW-7S 030117	Ground Water	03/01/17 08:15	03/03/17 10:00
480-114183-2	EW-8D 030117	Ground Water	03/01/17 08:18	03/03/17 10:00
480-114183-3	EW-3D 030117	Ground Water	03/01/17 06:50	03/03/17 10:00
480-114183-4	EW-5P 030117	Water	03/01/17 06:32	03/03/17 10:00
480-114183-5	EW-4P 030117	Ground Water	03/01/17 06:20	03/03/17 10:00
480-114183-6	EW-2P 030117	Water	03/01/17 06:12	03/03/17 10:00
480-114183-7	EW-6P 030117	Ground Water	03/01/17 06:05	03/03/17 10:00
480-114183-8	ADP-100 030117	Water	03/01/17 08:20	03/03/17 10:00

[redacted]

Chain of Custody Record

CINCINNATI

210501

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Tony Finch	Date: 3-1-17	Chain of Custody Number: 291601
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 248-477-5701	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE - IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11700083			

Analysis (Attach list if more space is needed): VOCs (8260B)

Special Instructions/ Conditions of Receipt

480-114183 COC

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	VOCs (8260B)
EW-7S 030117	3-1-17	815		X						3			X
EW-8D 030117		818		X						3			X
EW-3D 030117 (MS MSD)		6:50		X						9			X
EW-5P 030117		6:32		X						3			X
EW-4P 030117		6:20		X						3			X
EW-2P 030117		6:12		X						3			X
EW-6P 030117		605		X						3			X
ADP-100 030117		820		X						3			X

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	3-1-17	8:34	1. Received By: [signature]	3/1/17	8:34
2. Relinquished By: [signature]	3/2/17	8:40	2. Received By: [signature]	3/3/17	1000
3. Relinquished By			3. Received By		

Comments: Use Trip Blank w/ COC # 291600 2.0 #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-114183-1
SDG Number: 480-114183-1

Login Number: 114183
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-111777-1
TestAmerica Sample Delivery Group: 480-111777-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
1/9/2017 10:41:36 AM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-111777-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-111777-1

Receipt
The samples were received on 1/4/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 010317 (480-111777-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were collected in properly preserved vials for analysis of volatile organic compounds (VOCs). However, the pH was outside the required criteria when verified by the laboratory, and corrective action was not possible: Effluent 010317 (480-111777-2) and Mixing Tank 010317 (480-111777-3). The samples were analyzed within 7 days per EPA recommendation.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-111777-1

No Detections.

Client Sample ID: Effluent 010317 — Lab Sample ID: 480-111777-2

No Detections.

Client Sample ID: Mixing Tank 010317 — Lab Sample ID: 480-111777-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	20		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.5		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	35		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.7		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	79		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 010317 — Lab Sample ID: 480-111777-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	22		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	7.2		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.8	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	39		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	5.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	84		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	11		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-111777-1

Date Collected: 01/03/17 00:00
Date Received: 01/04/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/04/17 14:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/04/17 14:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/04/17 14:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/04/17 14:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/04/17 14:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/04/17 14:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/04/17 14:39	1
2-Hexanone	ND		5.0	1.2	ug/L			01/04/17 14:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/04/17 14:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/04/17 14:39	1
Acetone	ND		10	3.0	ug/L			01/04/17 14:39	1
Benzene	ND		1.0	0.41	ug/L			01/04/17 14:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/04/17 14:39	1
Bromoform	ND		1.0	0.26	ug/L			01/04/17 14:39	1
Bromomethane	ND		1.0	0.69	ug/L			01/04/17 14:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/04/17 14:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/04/17 14:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/04/17 14:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/04/17 14:39	1
Chloroethane	ND		1.0	0.32	ug/L			01/04/17 14:39	1
Chloroform	ND		1.0	0.34	ug/L			01/04/17 14:39	1
Chloromethane	ND		1.0	0.35	ug/L			01/04/17 14:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/04/17 14:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/04/17 14:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/04/17 14:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/04/17 14:39	1
Styrene	ND		1.0	0.73	ug/L			01/04/17 14:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/04/17 14:39	1
Toluene	ND		1.0	0.51	ug/L			01/04/17 14:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/04/17 14:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/04/17 14:39	1
Trichloroethene	ND		1.0	0.46	ug/L			01/04/17 14:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/04/17 14:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/04/17 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*01/04/17 14:39*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/04/17 14:39*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/04/17 14:39*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*01/04/17 14:39*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Client Sample ID: Effluent 010317

Lab Sample ID: 480-111777-2

Date Collected: 01/03/17 07:05
Matrix: Water
Date Received: 01/04/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/04/17 13:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/04/17 13:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/04/17 13:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/04/17 13:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/04/17 13:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/04/17 13:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/04/17 13:28	1
2-Hexanone	ND		5.0	1.2	ug/L			01/04/17 13:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/04/17 13:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/04/17 13:28	1
Acetone	ND		10	3.0	ug/L			01/04/17 13:28	1
Benzene	ND		1.0	0.41	ug/L			01/04/17 13:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/04/17 13:28	1
Bromoform	ND		1.0	0.26	ug/L			01/04/17 13:28	1
Bromomethane	ND		1.0	0.69	ug/L			01/04/17 13:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/04/17 13:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/04/17 13:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/04/17 13:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/04/17 13:28	1
Chloroethane	ND		1.0	0.32	ug/L			01/04/17 13:28	1
Chloroform	ND		1.0	0.34	ug/L			01/04/17 13:28	1
Chloromethane	ND		1.0	0.35	ug/L			01/04/17 13:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/04/17 13:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/04/17 13:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/04/17 13:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/04/17 13:28	1
Styrene	ND		1.0	0.73	ug/L			01/04/17 13:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/04/17 13:28	1
Toluene	ND		1.0	0.51	ug/L			01/04/17 13:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/04/17 13:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/04/17 13:28	1
Trichloroethene	ND		1.0	0.46	ug/L			01/04/17 13:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/04/17 13:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/04/17 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*01/04/17 13:28*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/04/17 13:28*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/04/17 13:28*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/04/17 13:28*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Client Sample ID: Mixing Tank 010317

Lab Sample ID: 480-111777-3

Date Collected: 01/03/17 07:11
Matrix: Water
Date Received: 01/04/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**20**		1.0	0.82	ug/L			01/04/17 13:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/04/17 13:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/04/17 13:52	1
1,1-Dichloroethane	**5.8**		1.0	0.38	ug/L			01/04/17 13:52	1
1,1-Dichloroethene	**1.5**		1.0	0.29	ug/L			01/04/17 13:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/04/17 13:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/04/17 13:52	1
2-Hexanone	ND		5.0	1.2	ug/L			01/04/17 13:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/04/17 13:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/04/17 13:52	1
Acetone	ND		10	3.0	ug/L			01/04/17 13:52	1
Benzene	ND		1.0	0.41	ug/L			01/04/17 13:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/04/17 13:52	1
Bromoform	ND		1.0	0.26	ug/L			01/04/17 13:52	1
Bromomethane	ND		1.0	0.69	ug/L			01/04/17 13:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/04/17 13:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/04/17 13:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/04/17 13:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/04/17 13:52	1
Chloroethane	ND		1.0	0.32	ug/L			01/04/17 13:52	1
Chloroform	ND		1.0	0.34	ug/L			01/04/17 13:52	1
Chloromethane	ND		1.0	0.35	ug/L			01/04/17 13:52	1
cis-1,2-Dichloroethene	**35**		1.0	0.81	ug/L			01/04/17 13:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/04/17 13:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/04/17 13:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/04/17 13:52	1
Styrene	ND		1.0	0.73	ug/L			01/04/17 13:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/04/17 13:52	1
Toluene	ND		1.0	0.51	ug/L			01/04/17 13:52	1
trans-1,2-Dichloroethene	**4.7**		1.0	0.90	ug/L			01/04/17 13:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/04/17 13:52	1
Trichloroethene	**79**		1.0	0.46	ug/L			01/04/17 13:52	1
Vinyl chloride	**8.1**		1.0	0.90	ug/L			01/04/17 13:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/04/17 13:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*01/04/17 13:52*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/04/17 13:52*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/04/17 13:52*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*01/04/17 13:52*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Client Sample ID: Influent 010317

Lab Sample ID: 480-111777-4

Date Collected: 01/03/17 07:15
Matrix: Water
Date Received: 01/04/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**22**		2.0	1.6	ug/L			01/04/17 14:16	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/04/17 14:16	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/04/17 14:16	2
1,1-Dichloroethane	**7.2**		2.0	0.76	ug/L			01/04/17 14:16	2
1,1-Dichloroethene	**1.8**	**J**	2.0	0.58	ug/L			01/04/17 14:16	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/04/17 14:16	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/04/17 14:16	2
2-Hexanone	ND		10	2.5	ug/L			01/04/17 14:16	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/04/17 14:16	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/04/17 14:16	2
Acetone	ND		20	6.0	ug/L			01/04/17 14:16	2
Benzene	ND		2.0	0.82	ug/L			01/04/17 14:16	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/04/17 14:16	2
Bromoform	ND		2.0	0.52	ug/L			01/04/17 14:16	2
Bromomethane	ND		2.0	1.4	ug/L			01/04/17 14:16	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/04/17 14:16	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/04/17 14:16	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/04/17 14:16	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/04/17 14:16	2
Chloroethane	ND		2.0	0.64	ug/L			01/04/17 14:16	2
Chloroform	ND		2.0	0.68	ug/L			01/04/17 14:16	2
Chloromethane	ND		2.0	0.70	ug/L			01/04/17 14:16	2
cis-1,2-Dichloroethene	**39**		2.0	1.6	ug/L			01/04/17 14:16	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/04/17 14:16	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/04/17 14:16	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/04/17 14:16	2
Styrene	ND		2.0	1.5	ug/L			01/04/17 14:16	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/04/17 14:16	2
Toluene	ND		2.0	1.0	ug/L			01/04/17 14:16	2
trans-1,2-Dichloroethene	**5.0**		2.0	1.8	ug/L			01/04/17 14:16	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/04/17 14:16	2
Trichloroethene	**84**		2.0	0.92	ug/L			01/04/17 14:16	2
Vinyl chloride	**11**		2.0	1.8	ug/L			01/04/17 14:16	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/04/17 14:16	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*01/04/17 14:16*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/04/17 14:16*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*01/04/17 14:16*	*2*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/04/17 14:16*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(77-120)**	**(80-120)**	**(73-120)**	**(75-123)**
480-111777-1	Trip Blank	106	95	97	107
480-111777-2	Effluent 010317	107	97	99	104
480-111777-3	Mixing Tank 010317	107	97	98	107
480-111777-4	Influent 010317	105	96	101	101
LCS 480-338744/5	Lab Control Sample	102	100	102	101
MB 480-338744/7	Method Blank	104	98	100	104

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-338744/7
Matrix: Water
Analysis Batch: 338744

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/04/17 10:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/04/17 10:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/04/17 10:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/04/17 10:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/04/17 10:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/04/17 10:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/04/17 10:37	1
2-Hexanone	ND		5.0	1.2	ug/L			01/04/17 10:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/04/17 10:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/04/17 10:37	1
Acetone	ND		10	3.0	ug/L			01/04/17 10:37	1
Benzene	ND		1.0	0.41	ug/L			01/04/17 10:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/04/17 10:37	1
Bromoform	ND		1.0	0.26	ug/L			01/04/17 10:37	1
Bromomethane	ND		1.0	0.69	ug/L			01/04/17 10:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/04/17 10:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/04/17 10:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/04/17 10:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/04/17 10:37	1
Chloroethane	ND		1.0	0.32	ug/L			01/04/17 10:37	1
Chloroform	ND		1.0	0.34	ug/L			01/04/17 10:37	1
Chloromethane	ND		1.0	0.35	ug/L			01/04/17 10:37	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/04/17 10:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/04/17 10:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/04/17 10:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/04/17 10:37	1
Styrene	ND		1.0	0.73	ug/L			01/04/17 10:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/04/17 10:37	1
Toluene	ND		1.0	0.51	ug/L			01/04/17 10:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/04/17 10:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/04/17 10:37	1
Trichloroethene	ND		1.0	0.46	ug/L			01/04/17 10:37	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/04/17 10:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/04/17 10:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/04/17 10:37*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/04/17 10:37*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/04/17 10:37*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/04/17 10:37*	*1*

Lab Sample ID: LCS 480-338744/5
Matrix: Water
Analysis Batch: 338744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	22.3		ug/L		89	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.0		ug/L		88	76 - 120

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

Lab Sample ID: LCS 480-338744/5
Matrix: Water
Analysis Batch: 338744

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	21.7		ug/L		87	76 - 122
1,1-Dichloroethane	25.0	22.4		ug/L		90	77 - 120
1,1-Dichloroethene	25.0	20.2		ug/L		81	66 - 127
1,2-Dichloroethane	25.0	22.7		ug/L		91	75 - 120
1,2-Dichloropropane	25.0	23.4		ug/L		94	76 - 120
2-Hexanone	125	127		ug/L		101	65 - 127
2-Butanone (MEK)	125	123		ug/L		99	57 - 140
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125
Acetone	125	113		ug/L		90	56 - 142
Benzene	25.0	21.3		ug/L		85	71 - 124
Bromodichloromethane	25.0	22.8		ug/L		91	80 - 122
Bromoform	25.0	25.3		ug/L		101	61 - 132
Bromomethane	25.0	23.7		ug/L		95	55 - 144
Carbon disulfide	25.0	19.0		ug/L		76	59 - 134
Carbon tetrachloride	25.0	24.0		ug/L		96	72 - 134
Chlorobenzene	25.0	21.7		ug/L		87	80 - 120
Dibromochloromethane	25.0	24.6		ug/L		98	75 - 125
Chloroethane	25.0	23.3		ug/L		93	69 - 136
Chloroform	25.0	21.5		ug/L		86	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	21.8		ug/L		87	74 - 124
cis-1,3-Dichloropropene	25.0	22.1		ug/L		89	74 - 124
Ethylbenzene	25.0	22.0		ug/L		88	77 - 123
Methylene Chloride	25.0	22.1		ug/L		88	75 - 124
Styrene	25.0	22.5		ug/L		90	80 - 120
Tetrachloroethene	25.0	22.2		ug/L		89	74 - 122
Toluene	25.0	21.4		ug/L		86	80 - 122
trans-1,2-Dichloroethene	25.0	21.6		ug/L		86	73 - 127
trans-1,3-Dichloropropene	25.0	22.0		ug/L		88	80 - 120
Trichloroethene	25.0	22.3		ug/L		89	74 - 123
Vinyl chloride	25.0	22.7		ug/L		91	65 - 133
Xylenes, Total	50.0	44.1		ug/L		88	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

GC/MS VOA

Analysis Batch: 338744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-111777-1	Trip Blank	Total/NA	Water	8260C	
480-111777-2	Effluent 010317	Total/NA	Water	8260C	
480-111777-3	Mixing Tank 010317	Total/NA	Water	8260C	
480-111777-4	Influent 010317	Total/NA	Water	8260C	
MB 480-338744/7	Method Blank	Total/NA	Water	8260C	
LCS 480-338744/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-111777-1

Date Collected: 01/03/17 00:00 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	338744	01/04/17 14:39	RRS	TAL BUF

Client Sample ID: Effluent 010317 — Lab Sample ID: 480-111777-2

Date Collected: 01/03/17 07:05 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	338744	01/04/17 13:28	RRS	TAL BUF

Client Sample ID: Mixing Tank 010317 — Lab Sample ID: 480-111777-3

Date Collected: 01/03/17 07:11 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	338744	01/04/17 13:52	RRS	TAL BUF

Client Sample ID: Influent 010317 — Lab Sample ID: 480-111777-4

Date Collected: 01/03/17 07:15 — **Matrix: Water**
Date Received: 01/04/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	338744	01/04/17 14:16	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-16 *
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-111777-1
SDG: 480-111777-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-111777-1	Trip Blank	Water	01/03/17 00:00	01/04/17 09:30
480-111777-2	Effluent 010317	Water	01/03/17 07:05	01/04/17 09:30
480-111777-3	Mixing Tank 010317	Water	01/03/17 07:11	01/04/17 09:30
480-111777-4	Influent 010317	Water	01/03/17 07:15	01/04/17 09:30

Chain of Custody Record

480034453

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica CINCINNATI

THE LEADER IN ENVIRONMENTAL TESTING

210501

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Robert Giovanetti	Date: 1-3-16	Chain of Custody Number: 291730
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 856-669-9265	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131127			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): VOCs (8260B)	Special Instructions/ Conditions of Receipt
Trip Blank	1-3-17			X							2				X	
Effluent 010317	↓	7:05		X							3				X	
Mixing Tank 010317	↓	7:11		X							3				X	
Influent 010317	↓	7:15		X							3				X	

480-111777 COC

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	1-3-17	10:29	1. Received By: [illegible]	1/3/17	1029
2. Relinquished By: [illegible]	1/3/17	1029	2. Received By: [illegible]	1/4/17	0930
3. Relinquished By			3. Received By		

Comments: 210 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-111777-1
SDG Number: 480-111777-1

Login Number: 111777
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-112359-1
TestAmerica Sample Delivery Group: 480-112359-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
1/23/2017 4:39:26 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-112359-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-112359-1

Receipt
The samples were received on 1/18/2017 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-340611 recovered above the upper control limit for Carbon tetrachloride, Vinyl Chloride, Chloromethane, and 2-Butanone. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: Trip Blank (480-112359-1) and Effluent 011717 (480-112359-2).

Method(s) 8260C: The laboratory control sample (LCS) analytical batch 480-340611 recovered outside control limits for the following analyte: Chloromethane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Trip Blank (480-112359-1) and Effluent 011717 (480-112359-2).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 011717 (480-112359-4). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-112359-1

No Detections.

Client Sample ID: Effluent 011717 — Lab Sample ID: 480-112359-2

No Detections.

Client Sample ID: Mixing Tank 011717 — Lab Sample ID: 480-112359-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	19		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.7		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.7		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	35		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	79		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 011717 — Lab Sample ID: 480-112359-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	21		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.2		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	49		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.7		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	91		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	19		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-112359-1

Date Collected: 01/17/17 00:00
Matrix: Water
Date Received: 01/18/17 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/19/17 13:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/19/17 13:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/19/17 13:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/19/17 13:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/19/17 13:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/19/17 13:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/19/17 13:30	1
2-Hexanone	ND		5.0	1.2	ug/L			01/19/17 13:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/19/17 13:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/19/17 13:30	1
Acetone	ND		10	3.0	ug/L			01/19/17 13:30	1
Benzene	ND		1.0	0.41	ug/L			01/19/17 13:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/19/17 13:30	1
Bromoform	ND		1.0	0.26	ug/L			01/19/17 13:30	1
Bromomethane	ND		1.0	0.69	ug/L			01/19/17 13:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/19/17 13:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/19/17 13:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/19/17 13:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/19/17 13:30	1
Chloroethane	ND		1.0	0.32	ug/L			01/19/17 13:30	1
Chloroform	ND		1.0	0.34	ug/L			01/19/17 13:30	1
Chloromethane	ND	*	1.0	0.35	ug/L			01/19/17 13:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/19/17 13:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/19/17 13:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/19/17 13:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/19/17 13:30	1
Styrene	ND		1.0	0.73	ug/L			01/19/17 13:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/19/17 13:30	1
Toluene	ND		1.0	0.51	ug/L			01/19/17 13:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/19/17 13:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/19/17 13:30	1
Trichloroethene	ND		1.0	0.46	ug/L			01/19/17 13:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/19/17 13:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/19/17 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*01/19/17 13:30*	*1*
Toluene-d8 (Surr)	*87*		*80 - 120*		*01/19/17 13:30*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/19/17 13:30*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*01/19/17 13:30*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Client Sample ID: Effluent 011717

Lab Sample ID: 480-112359-2

Date Collected: 01/17/17 09:15
Date Received: 01/18/17 09:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/19/17 13:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/19/17 13:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/19/17 13:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/19/17 13:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/19/17 13:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/19/17 13:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/19/17 13:54	1
2-Hexanone	ND		5.0	1.2	ug/L			01/19/17 13:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/19/17 13:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/19/17 13:54	1
Acetone	ND		10	3.0	ug/L			01/19/17 13:54	1
Benzene	ND		1.0	0.41	ug/L			01/19/17 13:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/19/17 13:54	1
Bromoform	ND		1.0	0.26	ug/L			01/19/17 13:54	1
Bromomethane	ND		1.0	0.69	ug/L			01/19/17 13:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/19/17 13:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/19/17 13:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/19/17 13:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/19/17 13:54	1
Chloroethane	ND		1.0	0.32	ug/L			01/19/17 13:54	1
Chloroform	ND		1.0	0.34	ug/L			01/19/17 13:54	1
Chloromethane	ND	*	1.0	0.35	ug/L			01/19/17 13:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/19/17 13:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/19/17 13:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/19/17 13:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/19/17 13:54	1
Styrene	ND		1.0	0.73	ug/L			01/19/17 13:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/19/17 13:54	1
Toluene	ND		1.0	0.51	ug/L			01/19/17 13:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/19/17 13:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/19/17 13:54	1
Trichloroethene	ND		1.0	0.46	ug/L			01/19/17 13:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/19/17 13:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/19/17 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*77 - 120*		*01/19/17 13:54*	*1*
Toluene-d8 (Surr)	*91*		*80 - 120*		*01/19/17 13:54*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*01/19/17 13:54*	*1*
Dibromofluoromethane (Surr)	*116*		*75 - 123*		*01/19/17 13:54*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Client Sample ID: Mixing Tank 011717

Lab Sample ID: 480-112359-3

Date Collected: 01/17/17 09:22
Matrix: Water
Date Received: 01/18/17 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**19**		1.0	0.82	ug/L			01/20/17 05:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/17 05:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/17 05:31	1
1,1-Dichloroethane	**4.7**		1.0	0.38	ug/L			01/20/17 05:31	1
1,1-Dichloroethene	**1.7**		1.0	0.29	ug/L			01/20/17 05:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/17 05:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/17 05:31	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/17 05:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/17 05:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/17 05:31	1
Acetone	ND		10	3.0	ug/L			01/20/17 05:31	1
Benzene	ND		1.0	0.41	ug/L			01/20/17 05:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/20/17 05:31	1
Bromoform	ND		1.0	0.26	ug/L			01/20/17 05:31	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/17 05:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/17 05:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/17 05:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/17 05:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/17 05:31	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/17 05:31	1
Chloroform	ND		1.0	0.34	ug/L			01/20/17 05:31	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/17 05:31	1
cis-1,2-Dichloroethene	**35**		1.0	0.81	ug/L			01/20/17 05:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/17 05:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/17 05:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/17 05:31	1
Styrene	ND		1.0	0.73	ug/L			01/20/17 05:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/17 05:31	1
Toluene	ND		1.0	0.51	ug/L			01/20/17 05:31	1
trans-1,2-Dichloroethene	**4.6**		1.0	0.90	ug/L			01/20/17 05:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/17 05:31	1
Trichloroethene	**79**		1.0	0.46	ug/L			01/20/17 05:31	1
Vinyl chloride	**6.6**		1.0	0.90	ug/L			01/20/17 05:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/17 05:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*01/20/17 05:31*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/20/17 05:31*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/20/17 05:31*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*01/20/17 05:31*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Client Sample ID: Influent 011717

Lab Sample ID: 480-112359-4

Date Collected: 01/17/17 09:30
Matrix: Water
Date Received: 01/18/17 09:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**21**		2.0	1.6	ug/L			01/20/17 05:58	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/20/17 05:58	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/20/17 05:58	2
1,1-Dichloroethane	**5.5**		2.0	0.76	ug/L			01/20/17 05:58	2
1,1-Dichloroethene	**2.2**		2.0	0.58	ug/L			01/20/17 05:58	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/20/17 05:58	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/20/17 05:58	2
2-Hexanone	ND		10	2.5	ug/L			01/20/17 05:58	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/20/17 05:58	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/20/17 05:58	2
Acetone	ND		20	6.0	ug/L			01/20/17 05:58	2
Benzene	ND		2.0	0.82	ug/L			01/20/17 05:58	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/20/17 05:58	2
Bromoform	ND		2.0	0.52	ug/L			01/20/17 05:58	2
Bromomethane	ND		2.0	1.4	ug/L			01/20/17 05:58	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/20/17 05:58	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/20/17 05:58	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/20/17 05:58	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/20/17 05:58	2
Chloroethane	ND		2.0	0.64	ug/L			01/20/17 05:58	2
Chloroform	ND		2.0	0.68	ug/L			01/20/17 05:58	2
Chloromethane	ND		2.0	0.70	ug/L			01/20/17 05:58	2
cis-1,2-Dichloroethene	**49**		2.0	1.6	ug/L			01/20/17 05:58	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/20/17 05:58	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/20/17 05:58	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/20/17 05:58	2
Styrene	ND		2.0	1.5	ug/L			01/20/17 05:58	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/20/17 05:58	2
Toluene	ND		2.0	1.0	ug/L			01/20/17 05:58	2
trans-1,2-Dichloroethene	**6.7**		2.0	1.8	ug/L			01/20/17 05:58	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/20/17 05:58	2
Trichloroethene	**91**		2.0	0.92	ug/L			01/20/17 05:58	2
Vinyl chloride	**19**		2.0	1.8	ug/L			01/20/17 05:58	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/20/17 05:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/20/17 05:58*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/20/17 05:58*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*01/20/17 05:58*	*2*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/20/17 05:58*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-112359-1	Trip Blank	110	87	100	111
480-112359-2	Effluent 011717	116	91	103	116
480-112359-3	Mixing Tank 011717	111	96	98	107
480-112359-4	Influent 011717	103	97	97	104
LCS 480-340611/5	Lab Control Sample	111	89	106	108
LCS 480-340727/4	Lab Control Sample	106	98	99	108
MB 480-340611/7	Method Blank	112	90	99	111
MB 480-340727/7	Method Blank	111	94	96	103

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-340611/7
Matrix: Water
Analysis Batch: 340611

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/19/17 10:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/19/17 10:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/19/17 10:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/19/17 10:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/19/17 10:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/19/17 10:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/19/17 10:42	1
2-Hexanone	ND		5.0	1.2	ug/L			01/19/17 10:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/19/17 10:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/19/17 10:42	1
Acetone	ND		10	3.0	ug/L			01/19/17 10:42	1
Benzene	ND		1.0	0.41	ug/L			01/19/17 10:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/19/17 10:42	1
Bromoform	ND		1.0	0.26	ug/L			01/19/17 10:42	1
Bromomethane	ND		1.0	0.69	ug/L			01/19/17 10:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/19/17 10:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/19/17 10:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/19/17 10:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/19/17 10:42	1
Chloroethane	ND		1.0	0.32	ug/L			01/19/17 10:42	1
Chloroform	ND		1.0	0.34	ug/L			01/19/17 10:42	1
Chloromethane	ND		1.0	0.35	ug/L			01/19/17 10:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/19/17 10:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/19/17 10:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/19/17 10:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/19/17 10:42	1
Styrene	ND		1.0	0.73	ug/L			01/19/17 10:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/19/17 10:42	1
Toluene	ND		1.0	0.51	ug/L			01/19/17 10:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/19/17 10:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/19/17 10:42	1
Trichloroethene	ND		1.0	0.46	ug/L			01/19/17 10:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/19/17 10:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/19/17 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*01/19/17 10:42*	*1*
Toluene-d8 (Surr)	*90*		*80 - 120*		*01/19/17 10:42*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*01/19/17 10:42*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*01/19/17 10:42*	*1*

Lab Sample ID: LCS 480-340611/5
Matrix: Water
Analysis Batch: 340611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	28.5		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120

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

Lab Sample ID: LCS 480-340611/5
Matrix: Water
Analysis Batch: 340611

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	22.0		ug/L		88	76 - 122
1,1-Dichloroethane	25.0	28.5		ug/L		114	77 - 120
1,1-Dichloroethene	25.0	27.3		ug/L		109	66 - 127
1,2-Dichloroethane	25.0	29.9		ug/L		120	75 - 120
1,2-Dichloropropane	25.0	30.0		ug/L		120	76 - 120
2-Hexanone	125	143		ug/L		114	65 - 127
2-Butanone (MEK)	125	168		ug/L		135	57 - 140
4-Methyl-2-pentanone (MIBK)	125	142		ug/L		114	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	26.9		ug/L		108	71 - 124
Bromodichloromethane	25.0	28.5		ug/L		114	80 - 122
Bromoform	25.0	26.2		ug/L		105	61 - 132
Bromomethane	25.0	27.7		ug/L		111	55 - 144
Carbon disulfide	25.0	26.3		ug/L		105	59 - 134
Carbon tetrachloride	25.0	30.7		ug/L		123	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Dibromochloromethane	25.0	26.1		ug/L		104	75 - 125
Chloroethane	25.0	28.7		ug/L		115	69 - 136
Chloroform	25.0	26.1		ug/L		105	73 - 127
Chloromethane	25.0	33.2	*	ug/L		133	68 - 124
cis-1,2-Dichloroethene	25.0	27.6		ug/L		110	74 - 124
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Ethylbenzene	25.0	23.1		ug/L		92	77 - 123
Methylene Chloride	25.0	27.4		ug/L		110	75 - 124
Styrene	25.0	24.0		ug/L		96	80 - 120
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	27.9		ug/L		111	73 - 127
trans-1,3-Dichloropropene	25.0	23.0		ug/L		92	80 - 120
Trichloroethene	25.0	28.2		ug/L		113	74 - 123
Vinyl chloride	25.0	29.7		ug/L		119	65 - 133
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*
Toluene-d8 (Surr)	*89*		*80 - 120*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: MB 480-340727/7
Matrix: Water
Analysis Batch: 340727

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/19/17 22:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/19/17 22:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/19/17 22:38	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/19/17 22:38	1

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

Lab Sample ID: MB 480-340727/7
Matrix: Water
Analysis Batch: 340727

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/19/17 22:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/19/17 22:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/19/17 22:38	1
2-Hexanone	ND		5.0	1.2	ug/L			01/19/17 22:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/19/17 22:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/19/17 22:38	1
Acetone	ND		10	3.0	ug/L			01/19/17 22:38	1
Benzene	ND		1.0	0.41	ug/L			01/19/17 22:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/19/17 22:38	1
Bromoform	ND		1.0	0.26	ug/L			01/19/17 22:38	1
Bromomethane	ND		1.0	0.69	ug/L			01/19/17 22:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/19/17 22:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/19/17 22:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/19/17 22:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/19/17 22:38	1
Chloroethane	ND		1.0	0.32	ug/L			01/19/17 22:38	1
Chloroform	ND		1.0	0.34	ug/L			01/19/17 22:38	1
Chloromethane	ND		1.0	0.35	ug/L			01/19/17 22:38	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/19/17 22:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/19/17 22:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/19/17 22:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/19/17 22:38	1
Styrene	ND		1.0	0.73	ug/L			01/19/17 22:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/19/17 22:38	1
Toluene	ND		1.0	0.51	ug/L			01/19/17 22:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/19/17 22:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/19/17 22:38	1
Trichloroethene	ND		1.0	0.46	ug/L			01/19/17 22:38	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/19/17 22:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/19/17 22:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*01/19/17 22:38*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*01/19/17 22:38*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*01/19/17 22:38*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*01/19/17 22:38*	*1*

Lab Sample ID: LCS 480-340727/4
Matrix: Water
Analysis Batch: 340727

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.0		ug/L		104	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.0		ug/L		96	76 - 120
1,1,2-Trichloroethane	25.0	23.8		ug/L		95	76 - 122
1,1-Dichloroethane	25.0	24.0		ug/L		96	77 - 120
1,1-Dichloroethene	25.0	23.9		ug/L		96	66 - 127
1,2-Dichloroethane	25.0	27.2		ug/L		109	75 - 120

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

Lab Sample ID: LCS 480-340727/4
Matrix: Water
Analysis Batch: 340727

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	25.0	25.3		ug/L		101	76 - 120
2-Hexanone	125	110		ug/L		88	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	106		ug/L		85	71 - 125
Acetone	125	150		ug/L		120	56 - 142
Benzene	25.0	25.5		ug/L		102	71 - 124
Bromodichloromethane	25.0	25.1		ug/L		100	80 - 122
Bromoform	25.0	23.2		ug/L		93	61 - 132
Bromomethane	25.0	30.8		ug/L		123	55 - 144
Carbon disulfide	25.0	21.6		ug/L		86	59 - 134
Carbon tetrachloride	25.0	25.2		ug/L		101	72 - 134
Chlorobenzene	25.0	24.6		ug/L		99	80 - 120
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Chloroethane	25.0	25.9		ug/L		104	69 - 136
Chloroform	25.0	27.1		ug/L		108	73 - 127
Chloromethane	25.0	20.9		ug/L		84	68 - 124
cis-1,2-Dichloroethene	25.0	25.9		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124
Styrene	25.0	25.8		ug/L		103	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	24.6		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	24.9		ug/L		99	80 - 120
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Vinyl chloride	25.0	24.4		ug/L		98	65 - 133
Xylenes, Total	50.0	51.0		ug/L		102	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

GC/MS VOA

Analysis Batch: 340611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-112359-1	Trip Blank	Total/NA	Water	8260C	
480-112359-2	Effluent 011717	Total/NA	Water	8260C	
MB 480-340611/7	Method Blank	Total/NA	Water	8260C	
LCS 480-340611/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 340727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-112359-3	Mixing Tank 011717	Total/NA	Water	8260C	
480-112359-4	Influent 011717	Total/NA	Water	8260C	
MB 480-340727/7	Method Blank	Total/NA	Water	8260C	
LCS 480-340727/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-112359-1

Date Collected: 01/17/17 00:00 — **Matrix: Water**
Date Received: 01/18/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	340611	01/19/17 13:30	RRS	TAL BUF

Client Sample ID: Effluent 011717 — Lab Sample ID: 480-112359-2

Date Collected: 01/17/17 09:15 — **Matrix: Water**
Date Received: 01/18/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	340611	01/19/17 13:54	RRS	TAL BUF

Client Sample ID: Mixing Tank 011717 — Lab Sample ID: 480-112359-3

Date Collected: 01/17/17 09:22 — **Matrix: Water**
Date Received: 01/18/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	340727	01/20/17 05:31	GTG	TAL BUF

Client Sample ID: Influent 011717 — Lab Sample ID: 480-112359-4

Date Collected: 01/17/17 09:30 — **Matrix: Water**
Date Received: 01/18/17 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	340727	01/20/17 05:58	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	11-30-16 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-16 *
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112359-1
SDG: 480-112359-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-112359-1	Trip Blank	Water	01/17/17 00:00	01/18/17 09:00
480-112359-2	Effluent 011717	Water	01/17/17 09:15	01/18/17 09:00
480-112359-3	Mixing Tank 011717	Water	01/17/17 09:22	01/18/17 09:00
480-112359-4	Influent 011717	Water	01/17/17 09:30	01/18/17 09:00

4/800345 3

Buffalo

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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THE LEADER IN ENVIRONMENTAL TESTING

210501

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Robert Giovanetti	Date: 1-17-2017	Chain of Custody Number: 291733
Address: 9905 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 859-664-9265	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45247	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-FRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 113 11127			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs (8260B)
Trip Blank	1-17-17			X						2			X
Effluent 011717		9:15		X						3			X
Mixing Tank 011717		9:22		X						3			X
Inflow 011717		9:30		X						3			X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

480-112359 COC

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	1-17-17	13:2	1. Received By	1/17/17	1326
2. Relinquished By	1/17/17	1326	2. Received By	1/18/17	0900
3. Relinquished By			3. Received By		

Comments

20 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-112359-1
SDG Number: 480-112359-1

Login Number: 112359
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-112984-1
TestAmerica Sample Delivery Group: 480-112359-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
2/8/2017 1:15:32 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Job ID: 480-112984-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-112984-1

Receipt
The samples were received on 2/2/2017 9:15 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-342720 recovered outside acceptance criteria, low biased, for Chloromethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.The following samples are impacted: Trip Blank (480-112984-1), Effluent 020117 (480-112984-2), Mixing Tank 020117 (480-112984-3) and Influent 020117 (480-112984-4).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-342720 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: Trip Blank (480-112984-1), Effluent 020117 (480-112984-2), Mixing Tank 020117 (480-112984-3) and Influent 020117 (480-112984-4).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent 020117 (480-112984-4). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-112984-1

No Detections.

Client Sample ID: Effluent 020117 — Lab Sample ID: 480-112984-2

No Detections.

Client Sample ID: Mixing Tank 020117 — Lab Sample ID: 480-112984-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	20		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.4		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.9		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	80		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent 020117 — Lab Sample ID: 480-112984-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	7.9		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	2.5		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.67	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	45		2.0	1.6	ug/L	2		8260C	Total/NA
Methylene Chloride	7.4		2.0	0.88	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.7		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	67		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	14		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-112984-1

Date Collected: 02/01/17 00:00
Matrix: Water
Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/17 12:09	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/17 12:09	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/17 12:09	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/17 12:09	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/17 12:09	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/17 12:09	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/17 12:09	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/17 12:09	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/17 12:09	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/17 12:09	1
Acetone	ND		10	3.0	ug/L			02/06/17 12:09	1
Benzene	ND		1.0	0.41	ug/L			02/06/17 12:09	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/17 12:09	1
Bromoform	ND	*	1.0	0.26	ug/L			02/06/17 12:09	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/17 12:09	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/17 12:09	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/17 12:09	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/17 12:09	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/17 12:09	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/17 12:09	1
Chloroform	ND		1.0	0.34	ug/L			02/06/17 12:09	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/17 12:09	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/17 12:09	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/17 12:09	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/17 12:09	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/17 12:09	1
Styrene	ND		1.0	0.73	ug/L			02/06/17 12:09	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/17 12:09	1
Toluene	ND		1.0	0.51	ug/L			02/06/17 12:09	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/17 12:09	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/17 12:09	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/17 12:09	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/17 12:09	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/17 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/06/17 12:09*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/06/17 12:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/06/17 12:09*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/06/17 12:09*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Client Sample ID: Effluent 020117

Lab Sample ID: 480-112984-2

Date Collected: 02/01/17 08:15
Matrix: Water
Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/17 12:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/17 12:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/17 12:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/17 12:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/17 12:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/17 12:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/17 12:33	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/17 12:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/17 12:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/17 12:33	1
Acetone	ND		10	3.0	ug/L			02/06/17 12:33	1
Benzene	ND		1.0	0.41	ug/L			02/06/17 12:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/17 12:33	1
Bromoform	ND	*	1.0	0.26	ug/L			02/06/17 12:33	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/17 12:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/17 12:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/17 12:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/17 12:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/17 12:33	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/17 12:33	1
Chloroform	ND		1.0	0.34	ug/L			02/06/17 12:33	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/17 12:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/17 12:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/17 12:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/17 12:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/17 12:33	1
Styrene	ND		1.0	0.73	ug/L			02/06/17 12:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/17 12:33	1
Toluene	ND		1.0	0.51	ug/L			02/06/17 12:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/17 12:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/17 12:33	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/17 12:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/17 12:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/17 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/06/17 12:33*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/06/17 12:33*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/06/17 12:33*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/06/17 12:33*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Client Sample ID: Mixing Tank 020117

Lab Sample ID: 480-112984-3

Date Collected: 02/01/17 08:18

Matrix: Water

Date Received: 02/02/17 09:15

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**20**		1.0	0.82	ug/L			02/06/17 12:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/17 12:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/17 12:56	1
1,1-Dichloroethane	**4.9**		1.0	0.38	ug/L			02/06/17 12:56	1
1,1-Dichloroethene	**1.4**		1.0	0.29	ug/L			02/06/17 12:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/17 12:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/17 12:56	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/17 12:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/17 12:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/17 12:56	1
Acetone	ND		10	3.0	ug/L			02/06/17 12:56	1
Benzene	ND		1.0	0.41	ug/L			02/06/17 12:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/17 12:56	1
Bromoform	ND	*	1.0	0.26	ug/L			02/06/17 12:56	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/17 12:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/17 12:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/17 12:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/17 12:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/17 12:56	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/17 12:56	1
Chloroform	ND		1.0	0.34	ug/L			02/06/17 12:56	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/17 12:56	1
cis-1,2-Dichloroethene	**36**		1.0	0.81	ug/L			02/06/17 12:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/17 12:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/17 12:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/17 12:56	1
Styrene	ND		1.0	0.73	ug/L			02/06/17 12:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/17 12:56	1
Toluene	ND		1.0	0.51	ug/L			02/06/17 12:56	1
trans-1,2-Dichloroethene	**4.9**		1.0	0.90	ug/L			02/06/17 12:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/17 12:56	1
Trichloroethene	**80**		1.0	0.46	ug/L			02/06/17 12:56	1
Vinyl chloride	**6.8**		1.0	0.90	ug/L			02/06/17 12:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/17 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/06/17 12:56*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/06/17 12:56*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/06/17 12:56*	*1*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/06/17 12:56*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Client Sample ID: Influent 020117

Lab Sample ID: 480-112984-4

Date Collected: 02/01/17 08:21
Date Received: 02/02/17 09:15

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**7.9**		2.0	1.6	ug/L			02/06/17 13:20	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/06/17 13:20	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/06/17 13:20	2
1,1-Dichloroethane	**2.5**		2.0	0.76	ug/L			02/06/17 13:20	2
1,1-Dichloroethene	**0.67**	**J**	2.0	0.58	ug/L			02/06/17 13:20	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/06/17 13:20	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/06/17 13:20	2
2-Hexanone	ND		10	2.5	ug/L			02/06/17 13:20	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/06/17 13:20	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/06/17 13:20	2
Acetone	ND		20	6.0	ug/L			02/06/17 13:20	2
Benzene	ND		2.0	0.82	ug/L			02/06/17 13:20	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/06/17 13:20	2
Bromoform	ND	*	2.0	0.52	ug/L			02/06/17 13:20	2
Bromomethane	ND		2.0	1.4	ug/L			02/06/17 13:20	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/06/17 13:20	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/06/17 13:20	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/06/17 13:20	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/06/17 13:20	2
Chloroethane	ND		2.0	0.64	ug/L			02/06/17 13:20	2
Chloroform	ND		2.0	0.68	ug/L			02/06/17 13:20	2
Chloromethane	ND		2.0	0.70	ug/L			02/06/17 13:20	2
cis-1,2-Dichloroethene	**45**		2.0	1.6	ug/L			02/06/17 13:20	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/06/17 13:20	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/06/17 13:20	2
Methylene Chloride	**7.4**		2.0	0.88	ug/L			02/06/17 13:20	2
Styrene	ND		2.0	1.5	ug/L			02/06/17 13:20	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/06/17 13:20	2
Toluene	ND		2.0	1.0	ug/L			02/06/17 13:20	2
trans-1,2-Dichloroethene	**6.7**		2.0	1.8	ug/L			02/06/17 13:20	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/06/17 13:20	2
Trichloroethene	**67**		2.0	0.92	ug/L			02/06/17 13:20	2
Vinyl chloride	**14**		2.0	1.8	ug/L			02/06/17 13:20	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/06/17 13:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/06/17 13:20*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/06/17 13:20*	*2*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/06/17 13:20*	*2*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/06/17 13:20*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-112984-1	Trip Blank	99	96	99	98
480-112984-2	Effluent 020117	96	97	100	102
480-112984-3	Mixing Tank 020117	99	95	98	103
480-112984-4	Influent 020117	96	97	100	99
LCS 480-342720/5	Lab Control Sample	97	97	104	102
MB 480-342720/7	Method Blank	97	99	101	98

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-342720/7
Matrix: Water
Analysis Batch: 342720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/06/17 10:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/06/17 10:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/06/17 10:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/06/17 10:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/06/17 10:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/06/17 10:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/06/17 10:56	1
2-Hexanone	ND		5.0	1.2	ug/L			02/06/17 10:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/06/17 10:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/06/17 10:56	1
Acetone	ND		10	3.0	ug/L			02/06/17 10:56	1
Benzene	ND		1.0	0.41	ug/L			02/06/17 10:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/06/17 10:56	1
Bromoform	ND		1.0	0.26	ug/L			02/06/17 10:56	1
Bromomethane	ND		1.0	0.69	ug/L			02/06/17 10:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/06/17 10:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/06/17 10:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/06/17 10:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/06/17 10:56	1
Chloroethane	ND		1.0	0.32	ug/L			02/06/17 10:56	1
Chloroform	ND		1.0	0.34	ug/L			02/06/17 10:56	1
Chloromethane	ND		1.0	0.35	ug/L			02/06/17 10:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/06/17 10:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/06/17 10:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/06/17 10:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/06/17 10:56	1
Styrene	ND		1.0	0.73	ug/L			02/06/17 10:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/06/17 10:56	1
Toluene	ND		1.0	0.51	ug/L			02/06/17 10:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/06/17 10:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/06/17 10:56	1
Trichloroethene	ND		1.0	0.46	ug/L			02/06/17 10:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/06/17 10:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/06/17 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/06/17 10:56*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/06/17 10:56*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/06/17 10:56*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/06/17 10:56*	*1*

Lab Sample ID: LCS 480-342720/5
Matrix: Water
Analysis Batch: 342720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.9		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		98	76 - 120

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

Lab Sample ID: LCS 480-342720/5
Matrix: Water
Analysis Batch: 342720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	24.4		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	23.7		ug/L		95	77 - 120
1,1-Dichloroethene	25.0	22.3		ug/L		89	66 - 127
1,2-Dichloroethane	25.0	23.8		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
2-Hexanone	125	117		ug/L		94	65 - 127
2-Butanone (MEK)	125	119		ug/L		96	57 - 140
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromodichloromethane	25.0	27.8		ug/L		111	80 - 122
Bromoform	25.0	33.4	*	ug/L		134	61 - 132
Bromomethane	25.0	21.8		ug/L		87	55 - 144
Carbon disulfide	25.0	22.9		ug/L		92	59 - 134
Carbon tetrachloride	25.0	29.5		ug/L		118	72 - 134
Chlorobenzene	25.0	22.9		ug/L		92	80 - 120
Dibromochloromethane	25.0	29.6		ug/L		118	75 - 125
Chloroethane	25.0	22.5		ug/L		90	69 - 136
Chloroform	25.0	23.7		ug/L		95	73 - 127
Chloromethane	25.0	19.3		ug/L		77	68 - 124
cis-1,2-Dichloroethene	25.0	23.5		ug/L		94	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Methylene Chloride	25.0	23.2		ug/L		93	75 - 124
Styrene	25.0	24.1		ug/L		97	80 - 120
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	22.7		ug/L		91	80 - 122
trans-1,2-Dichloroethene	25.0	23.9		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.6		ug/L		103	80 - 120
Trichloroethene	25.0	23.6		ug/L		94	74 - 123
Vinyl chloride	25.0	20.1		ug/L		81	65 - 133
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

GC/MS VOA

Analysis Batch: 342720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-112984-1	Trip Blank	Total/NA	Water	8260C	
480-112984-2	Effluent 020117	Total/NA	Water	8260C	
480-112984-3	Mixing Tank 020117	Total/NA	Water	8260C	
480-112984-4	Influent 020117	Total/NA	Water	8260C	
MB 480-342720/7	Method Blank	Total/NA	Water	8260C	
LCS 480-342720/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-112984-1

Date Collected: 02/01/17 00:00 — **Matrix: Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	342720	02/06/17 12:09	RRS	TAL BUF

Client Sample ID: Effluent 020117 — Lab Sample ID: 480-112984-2

Date Collected: 02/01/17 08:15 — **Matrix: Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	342720	02/06/17 12:33	RRS	TAL BUF

Client Sample ID: Mixing Tank 020117 — Lab Sample ID: 480-112984-3

Date Collected: 02/01/17 08:18 — **Matrix: Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	342720	02/06/17 12:56	RRS	TAL BUF

Client Sample ID: Influent 020117 — Lab Sample ID: 480-112984-4

Date Collected: 02/01/17 08:21 — **Matrix: Water**
Date Received: 02/02/17 09:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	342720	02/06/17 13:20	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-17 *
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-112984-1
SDG: 480-112359-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-112984-1	Trip Blank	Water	02/01/17 00:00	02/02/17 09:15
480-112984-2	Effluent 020117	Water	02/01/17 08:15	02/02/17 09:15
480-112984-3	Mixing Tank 020117	Water	02/01/17 08:18	02/02/17 09:15
480-112984-4	Influent 020117	Water	02/01/17 08:21	02/02/17 09:15

Chain of Custody Record

Buffalo 4800 3453

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica CINCINNATI 210501

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Robert Giovanetti	Date: 2-1-17	Chain of Custody Number: 291735
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 856-669-9265	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11700083			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOC's (8260B)	Special Instructions/ Conditions of Receipt
Trip Blank	2-1-17			X						2			X	
Effluent 020117	↓	8:15		X						3			X	
Mixing Tank 020117	↓	8:18		X						3			X	
Influent 020117	↓	8:21		X						3			X	

480-112984 COC

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	2-1-17	12:36	1. Received By: [signature]	2/1/17	1236
2. Relinquished By: [signature]	2/1/17	1251	2. Received By: [signature]	2/2/17	0915
3. Relinquished By			3. Received By		

Comments: 3.0 #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-112984-1
SDG Number: 480-112359-1

Login Number: 112984
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	obg
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-113559-1
TestAmerica Sample Delivery Group: 480-112984-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
2/20/2017 4:44:17 PM

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-113559-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-113559-1

Receipt
The samples were received on 2/16/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-113559-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 480-344292 recovered outside control limits for the following analytes: Acetone. These analytes were biased high in the LCS and LCSD and were not detected above the reporting limit in the associated samples; therefore, the data has been reported for the following affected samples Trip Blank (480-113559-1), Effluent (480-113559-2), Mixing Tank (480-113559-3) and Influent (480-113559-4).

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-113559-1

No Detections.

Client Sample ID: Effluent — Lab Sample ID: 480-113559-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.1	J *	10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: Mixing Tank — Lab Sample ID: 480-113559-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	18		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.2		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.6		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	36		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	4.8		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	80		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	7.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent — Lab Sample ID: 480-113559-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	27		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	7.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.5		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	43		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	5.9		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	94		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	18		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-113559-1

Date Collected: 02/15/17 00:00
Date Received: 02/16/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/17/17 03:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/17/17 03:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/17/17 03:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/17/17 03:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/17/17 03:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/17/17 03:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/17/17 03:35	1
2-Hexanone	ND		5.0	1.2	ug/L			02/17/17 03:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/17/17 03:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/17/17 03:35	1
Acetone	ND	*	10	3.0	ug/L			02/17/17 03:35	1
Benzene	ND		1.0	0.41	ug/L			02/17/17 03:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/17/17 03:35	1
Bromoform	ND		1.0	0.26	ug/L			02/17/17 03:35	1
Bromomethane	ND		1.0	0.69	ug/L			02/17/17 03:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/17/17 03:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/17/17 03:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/17/17 03:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/17/17 03:35	1
Chloroethane	ND		1.0	0.32	ug/L			02/17/17 03:35	1
Chloroform	ND		1.0	0.34	ug/L			02/17/17 03:35	1
Chloromethane	ND		1.0	0.35	ug/L			02/17/17 03:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/17/17 03:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/17/17 03:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/17/17 03:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/17/17 03:35	1
Styrene	ND		1.0	0.73	ug/L			02/17/17 03:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/17/17 03:35	1
Toluene	ND		1.0	0.51	ug/L			02/17/17 03:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/17/17 03:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/17/17 03:35	1
Trichloroethene	ND		1.0	0.46	ug/L			02/17/17 03:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/17/17 03:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/17/17 03:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/17/17 03:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/17/17 03:35*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/17/17 03:35*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*02/17/17 03:35*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Client Sample ID: Effluent

Lab Sample ID: 480-113559-2

Date Collected: 02/15/17 06:40
Date Received: 02/16/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/17/17 03:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/17/17 03:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/17/17 03:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/17/17 03:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/17/17 03:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/17/17 03:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/17/17 03:59	1
2-Hexanone	ND		5.0	1.2	ug/L			02/17/17 03:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/17/17 03:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/17/17 03:59	1
Acetone	**3.1**	**J ***	10	3.0	ug/L			02/17/17 03:59	1
Benzene	ND		1.0	0.41	ug/L			02/17/17 03:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/17/17 03:59	1
Bromoform	ND		1.0	0.26	ug/L			02/17/17 03:59	1
Bromomethane	ND		1.0	0.69	ug/L			02/17/17 03:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/17/17 03:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/17/17 03:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/17/17 03:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/17/17 03:59	1
Chloroethane	ND		1.0	0.32	ug/L			02/17/17 03:59	1
Chloroform	ND		1.0	0.34	ug/L			02/17/17 03:59	1
Chloromethane	ND		1.0	0.35	ug/L			02/17/17 03:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/17/17 03:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/17/17 03:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/17/17 03:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/17/17 03:59	1
Styrene	ND		1.0	0.73	ug/L			02/17/17 03:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/17/17 03:59	1
Toluene	ND		1.0	0.51	ug/L			02/17/17 03:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/17/17 03:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/17/17 03:59	1
Trichloroethene	ND		1.0	0.46	ug/L			02/17/17 03:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/17/17 03:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/17/17 03:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*02/17/17 03:59*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/17/17 03:59*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/17/17 03:59*	*1*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*02/17/17 03:59*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Client Sample ID: Mixing Tank

Lab Sample ID: 480-113559-3

Date Collected: 02/15/17 06:44
Date Received: 02/16/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**18**		1.0	0.82	ug/L			02/17/17 04:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/17/17 04:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/17/17 04:23	1
1,1-Dichloroethane	**5.2**		1.0	0.38	ug/L			02/17/17 04:23	1
1,1-Dichloroethene	**1.6**		1.0	0.29	ug/L			02/17/17 04:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/17/17 04:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/17/17 04:23	1
2-Hexanone	ND		5.0	1.2	ug/L			02/17/17 04:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/17/17 04:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/17/17 04:23	1
Acetone	ND	*	10	3.0	ug/L			02/17/17 04:23	1
Benzene	ND		1.0	0.41	ug/L			02/17/17 04:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/17/17 04:23	1
Bromoform	ND		1.0	0.26	ug/L			02/17/17 04:23	1
Bromomethane	ND		1.0	0.69	ug/L			02/17/17 04:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/17/17 04:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/17/17 04:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/17/17 04:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/17/17 04:23	1
Chloroethane	ND		1.0	0.32	ug/L			02/17/17 04:23	1
Chloroform	ND		1.0	0.34	ug/L			02/17/17 04:23	1
Chloromethane	ND		1.0	0.35	ug/L			02/17/17 04:23	1
cis-1,2-Dichloroethene	**36**		1.0	0.81	ug/L			02/17/17 04:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/17/17 04:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/17/17 04:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/17/17 04:23	1
Styrene	ND		1.0	0.73	ug/L			02/17/17 04:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/17/17 04:23	1
Toluene	ND		1.0	0.51	ug/L			02/17/17 04:23	1
trans-1,2-Dichloroethene	**4.8**		1.0	0.90	ug/L			02/17/17 04:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/17/17 04:23	1
Trichloroethene	**80**		1.0	0.46	ug/L			02/17/17 04:23	1
Vinyl chloride	**7.6**		1.0	0.90	ug/L			02/17/17 04:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/17/17 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/17/17 04:23*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/17/17 04:23*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/17/17 04:23*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*02/17/17 04:23*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Client Sample ID: Influent

Lab Sample ID: 480-113559-4

Date Collected: 02/15/17 06:50
Date Received: 02/16/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**27**		2.0	1.6	ug/L			02/17/17 04:47	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/17/17 04:47	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/17/17 04:47	2
1,1-Dichloroethane	**7.4**		2.0	0.76	ug/L			02/17/17 04:47	2
1,1-Dichloroethene	**2.5**		2.0	0.58	ug/L			02/17/17 04:47	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/17/17 04:47	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/17/17 04:47	2
2-Hexanone	ND		10	2.5	ug/L			02/17/17 04:47	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/17/17 04:47	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/17/17 04:47	2
Acetone	ND	*	20	6.0	ug/L			02/17/17 04:47	2
Benzene	ND		2.0	0.82	ug/L			02/17/17 04:47	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/17/17 04:47	2
Bromoform	ND		2.0	0.52	ug/L			02/17/17 04:47	2
Bromomethane	ND		2.0	1.4	ug/L			02/17/17 04:47	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/17/17 04:47	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/17/17 04:47	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/17/17 04:47	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/17/17 04:47	2
Chloroethane	ND		2.0	0.64	ug/L			02/17/17 04:47	2
Chloroform	ND		2.0	0.68	ug/L			02/17/17 04:47	2
Chloromethane	ND		2.0	0.70	ug/L			02/17/17 04:47	2
cis-1,2-Dichloroethene	**43**		2.0	1.6	ug/L			02/17/17 04:47	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/17/17 04:47	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/17/17 04:47	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/17/17 04:47	2
Styrene	ND		2.0	1.5	ug/L			02/17/17 04:47	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/17/17 04:47	2
Toluene	ND		2.0	1.0	ug/L			02/17/17 04:47	2
trans-1,2-Dichloroethene	**5.9**		2.0	1.8	ug/L			02/17/17 04:47	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/17/17 04:47	2
Trichloroethene	**94**		2.0	0.92	ug/L			02/17/17 04:47	2
Vinyl chloride	**18**		2.0	1.8	ug/L			02/17/17 04:47	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/17/17 04:47	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/17/17 04:47*	*2*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/17/17 04:47*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/17/17 04:47*	*2*
Dibromofluoromethane (Surr)	*112*		*75 - 123*		*02/17/17 04:47*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-113559-1	Trip Blank	110	99	101	112
480-113559-2	Effluent	107	96	98	112
480-113559-3	Mixing Tank	106	100	98	110
480-113559-4	Influent	110	98	101	112
LCS 480-344292/4	Lab Control Sample	104	98	101	109
LCSD 480-344292/30	Lab Control Sample Dup	107	100	104	107
MB 480-344292/6	Method Blank	104	100	98	107

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-344292/6
Matrix: Water
Analysis Batch: 344292

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/16/17 23:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/16/17 23:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/16/17 23:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/16/17 23:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/16/17 23:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/16/17 23:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/16/17 23:07	1
2-Hexanone	ND		5.0	1.2	ug/L			02/16/17 23:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/16/17 23:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/16/17 23:07	1
Acetone	ND		10	3.0	ug/L			02/16/17 23:07	1
Benzene	ND		1.0	0.41	ug/L			02/16/17 23:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/16/17 23:07	1
Bromoform	ND		1.0	0.26	ug/L			02/16/17 23:07	1
Bromomethane	ND		1.0	0.69	ug/L			02/16/17 23:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/16/17 23:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/16/17 23:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/16/17 23:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/16/17 23:07	1
Chloroethane	ND		1.0	0.32	ug/L			02/16/17 23:07	1
Chloroform	ND		1.0	0.34	ug/L			02/16/17 23:07	1
Chloromethane	ND		1.0	0.35	ug/L			02/16/17 23:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/16/17 23:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/16/17 23:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/16/17 23:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/16/17 23:07	1
Styrene	ND		1.0	0.73	ug/L			02/16/17 23:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/16/17 23:07	1
Toluene	ND		1.0	0.51	ug/L			02/16/17 23:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/16/17 23:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/16/17 23:07	1
Trichloroethene	ND		1.0	0.46	ug/L			02/16/17 23:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/16/17 23:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/16/17 23:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*02/16/17 23:07*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/16/17 23:07*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/16/17 23:07*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/16/17 23:07*	*1*

Lab Sample ID: LCS 480-344292/4
Matrix: Water
Analysis Batch: 344292

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.4		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		91	76 - 120

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

Lab Sample ID: LCS 480-344292/4
Matrix: Water
Analysis Batch: 344292

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	23.1		ug/L		93	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	77 - 120
1,1-Dichloroethene	25.0	23.8		ug/L		95	66 - 127
1,2-Dichloroethane	25.0	23.7		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	24.1		ug/L		96	76 - 120
2-Hexanone	125	131		ug/L		104	65 - 127
2-Butanone (MEK)	125	142		ug/L		113	57 - 140
4-Methyl-2-pentanone (MIBK)	125	118		ug/L		95	71 - 125
Acetone	125	185	*	ug/L		148	56 - 142
Benzene	25.0	23.8		ug/L		95	71 - 124
Bromodichloromethane	25.0	26.1		ug/L		105	80 - 122
Bromoform	25.0	24.9		ug/L		100	61 - 132
Bromomethane	25.0	25.0		ug/L		100	55 - 144
Carbon disulfide	25.0	23.4		ug/L		94	59 - 134
Carbon tetrachloride	25.0	25.4		ug/L		102	72 - 134
Chlorobenzene	25.0	22.6		ug/L		91	80 - 120
Dibromochloromethane	25.0	24.9		ug/L		100	75 - 125
Chloroethane	25.0	24.7		ug/L		99	69 - 136
Chloroform	25.0	23.6		ug/L		94	73 - 127
Chloromethane	25.0	24.9		ug/L		100	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.1		ug/L		100	74 - 124
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Methylene Chloride	25.0	24.4		ug/L		98	75 - 124
Styrene	25.0	23.9		ug/L		95	80 - 120
Tetrachloroethene	25.0	23.6		ug/L		94	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		95	80 - 120
Trichloroethene	25.0	24.8		ug/L		99	74 - 123
Vinyl chloride	25.0	25.5		ug/L		102	65 - 133
Xylenes, Total	50.0	46.4		ug/L		93	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*75 - 123*

Lab Sample ID: LCSD 480-344292/30
Matrix: Water
Analysis Batch: 344292

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.8		ug/L		103	73 - 126	5	15
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	76 - 120	1	15
1,1,2-Trichloroethane	25.0	22.4		ug/L		90	76 - 122	3	15
1,1-Dichloroethane	25.0	25.7		ug/L		103	77 - 120	5	20

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

Lab Sample ID: LCSD 480-344292/30
Matrix: Water
Analysis Batch: 344292

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene			25.0	25.9		ug/L		104	66 - 127	9	16
1,2-Dichloroethane			25.0	25.0		ug/L		100	75 - 120	5	20
1,2-Dichloropropane			25.0	25.0		ug/L		100	76 - 120	4	20
2-Hexanone			125	130		ug/L		104	65 - 127	0	15
2-Butanone (MEK)			125	164		ug/L		131	57 - 140	15	20
4-Methyl-2-pentanone (MIBK)			125	116		ug/L		93	71 - 125	2	35
Acetone			125	179	*	ug/L		143	56 - 142	3	15
Benzene			25.0	24.6		ug/L		98	71 - 124	3	13
Bromodichloromethane			25.0	26.9		ug/L		108	80 - 122	3	15
Bromoform			25.0	26.1		ug/L		104	61 - 132	5	15
Bromomethane			25.0	27.5		ug/L		110	55 - 144	9	15
Carbon disulfide			25.0	25.1		ug/L		101	59 - 134	7	15
Carbon tetrachloride			25.0	28.3		ug/L		113	72 - 134	11	15
Chlorobenzene			25.0	24.2		ug/L		97	80 - 120	7	25
Dibromochloromethane			25.0	25.9		ug/L		104	75 - 125	4	15
Chloroethane			25.0	25.9		ug/L		104	69 - 136	5	15
Chloroform			25.0	24.5		ug/L		98	73 - 127	4	20
Chloromethane			25.0	26.6		ug/L		106	68 - 124	7	15
cis-1,2-Dichloroethene			25.0	25.3		ug/L		101	74 - 124	4	15
cis-1,3-Dichloropropene			25.0	26.0		ug/L		104	74 - 124	4	15
Ethylbenzene			25.0	24.4		ug/L		98	77 - 123	6	15
Methylene Chloride			25.0	25.0		ug/L		100	75 - 124	2	15
Styrene			25.0	24.2		ug/L		97	80 - 120	1	20
Tetrachloroethene			25.0	25.1		ug/L		100	74 - 122	6	20
Toluene			25.0	23.9		ug/L		96	80 - 122	7	15
trans-1,2-Dichloroethene			25.0	25.1		ug/L		100	73 - 127	5	20
trans-1,3-Dichloropropene			25.0	24.3		ug/L		97	80 - 120	2	15
Trichloroethene			25.0	25.7		ug/L		103	74 - 123	4	16
Vinyl chloride			25.0	27.5		ug/L		110	65 - 133	7	15
Xylenes, Total			50.0	47.9		ug/L		96	76 - 122	3	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

GC/MS VOA

Analysis Batch: 344292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113559-1	Trip Blank	Total/NA	Water	8260C	
480-113559-2	Effluent	Total/NA	Water	8260C	
480-113559-3	Mixing Tank	Total/NA	Water	8260C	
480-113559-4	Influent	Total/NA	Water	8260C	
MB 480-344292/6	Method Blank	Total/NA	Water	8260C	
LCS 480-344292/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-344292/30	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-113559-1

Date Collected: 02/15/17 00:00
Date Received: 02/16/17 09:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344292	02/17/17 03:35	GTG	TAL BUF

Client Sample ID: Effluent — Lab Sample ID: 480-113559-2

Date Collected: 02/15/17 06:40
Date Received: 02/16/17 09:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344292	02/17/17 03:59	GTG	TAL BUF

Client Sample ID: Mixing Tank — Lab Sample ID: 480-113559-3

Date Collected: 02/15/17 06:44
Date Received: 02/16/17 09:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344292	02/17/17 04:23	GTG	TAL BUF

Client Sample ID: Influent — Lab Sample ID: 480-113559-4

Date Collected: 02/15/17 06:50
Date Received: 02/16/17 09:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	344292	02/17/17 04:47	GTG	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113559-1
SDG: 480-112984-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-113559-1	Trip Blank	Water	02/15/17 00:00	02/16/17 09:30
480-113559-2	Effluent	Water	02/15/17 06:40	02/16/17 09:30
480-113559-3	Mixing Tank	Water	02/15/17 06:44	02/16/17 09:30
480-113559-4	Influent	Water	02/15/17 06:50	02/16/17 09:30

[redacted]

Chain of Custody Record

TAL-4124 (1007)

480003453

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CINCINNATI 21050

Client: O'Brien & Gere	Project Manager: Robert Giovanetti	Date: 2-15-17	Chain of Custody Number: 291799
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 859-669-9265	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Sclove	
Project Name and Location (State): GE-IRM OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed): VOCs (8260B)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH		VOCs (8260B)
Trip Blank	2-15-17			X							2				
Effluent		6:40		X							3				
Mixing Tank		6:44		X							3				
Influent		6:50		X							3				

480-113559 COC

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	2-15-17	12:38	1. Received By: Debbie Clarke	2-15-17	12:38
2. Relinquished By: Debbie Clarke	2-15-17	12:38	2. Received By: [signature]	2/16/17	0930
3. Relinquished By			3. Received By		

Comments

20 #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-113559-1
SDG Number: 480-112984-1

Login Number: 113559
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-114182-1
TestAmerica Sample Delivery Group: 480-114182-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
3/7/2017 2:05:28 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Case Narrative

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Job ID: 480-114182-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-114182-1

Receipt
The samples were received on 3/3/2017 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-114182-4). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-346219 recovered above the upper control limit for: Carbon Tetrachloride and Chlorodibromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following samples are impacted: Trip Blank (480-114182-1), Effluent (480-114182-2), Mixing Tank (480-114182-3) and Influent (480-114182-4).

Method(s) 8260C: The laboratory control sample (LCS) for analytical batch 480-346219 recovered outside control limits for the following analyte: Bromoform. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: Trip Blank (480-114182-1), Effluent (480-114182-2), Mixing Tank (480-114182-3) and Influent (480-114182-4).

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-114182-1

No Detections.

Client Sample ID: Effluent — Lab Sample ID: 480-114182-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.55	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: Mixing Tank — Lab Sample ID: 480-114182-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	23		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.3		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.39	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.36	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.9		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	75		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	4.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Influent — Lab Sample ID: 480-114182-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	25		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	4.8		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.6	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	46		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.3		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	6.9		2.0	1.8	ug/L	2		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-114182-1

Date Collected: 03/02/17 00:00
Date Received: 03/03/17 10:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/17 13:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/17 13:44	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/17 13:44	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/06/17 13:44	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/17 13:44	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/17 13:44	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/17 13:44	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/17 13:44	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/17 13:44	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/17 13:44	1
Acetone	ND		10	3.0	ug/L			03/06/17 13:44	1
Benzene	ND		1.0	0.41	ug/L			03/06/17 13:44	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/17 13:44	1
Bromoform	ND	*	1.0	0.26	ug/L			03/06/17 13:44	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/17 13:44	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/17 13:44	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/17 13:44	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/17 13:44	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/17 13:44	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/17 13:44	1
Chloroform	ND		1.0	0.34	ug/L			03/06/17 13:44	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/17 13:44	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/06/17 13:44	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/17 13:44	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/17 13:44	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/17 13:44	1
Styrene	ND		1.0	0.73	ug/L			03/06/17 13:44	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/17 13:44	1
Toluene	ND		1.0	0.51	ug/L			03/06/17 13:44	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/06/17 13:44	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/17 13:44	1
Trichloroethene	ND		1.0	0.46	ug/L			03/06/17 13:44	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/06/17 13:44	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/17 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*03/06/17 13:44*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/06/17 13:44*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/06/17 13:44*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*03/06/17 13:44*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Client Sample ID: Effluent

Lab Sample ID: 480-114182-2

Date Collected: 03/02/17 07:20
Date Received: 03/03/17 10:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/17 14:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/17 14:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/17 14:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/06/17 14:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/17 14:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/17 14:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/17 14:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/17 14:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/17 14:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/17 14:08	1
Acetone	ND		10	3.0	ug/L			03/06/17 14:08	1
Benzene	ND		1.0	0.41	ug/L			03/06/17 14:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/17 14:08	1
Bromoform	ND	*	1.0	0.26	ug/L			03/06/17 14:08	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/17 14:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/17 14:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/17 14:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/17 14:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/17 14:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/17 14:08	1
Chloroform	ND		1.0	0.34	ug/L			03/06/17 14:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/17 14:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/06/17 14:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/17 14:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/17 14:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/17 14:08	1
Styrene	ND		1.0	0.73	ug/L			03/06/17 14:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/17 14:08	1
Toluene	ND		1.0	0.51	ug/L			03/06/17 14:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/06/17 14:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/17 14:08	1
Trichloroethene	**0.55**	**J**	1.0	0.46	ug/L			03/06/17 14:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/06/17 14:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/17 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/06/17 14:08*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/06/17 14:08*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/06/17 14:08*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/06/17 14:08*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Client Sample ID: Mixing Tank

Lab Sample ID: 480-114182-3

Date Collected: 03/02/17 07:26
Matrix: Water
Date Received: 03/03/17 10:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**23**		1.0	0.82	ug/L			03/06/17 14:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/17 14:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/17 14:31	1
1,1-Dichloroethane	**4.0**		1.0	0.38	ug/L			03/06/17 14:31	1
1,1-Dichloroethene	**1.3**		1.0	0.29	ug/L			03/06/17 14:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/17 14:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/17 14:31	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/17 14:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/17 14:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/17 14:31	1
Acetone	ND		10	3.0	ug/L			03/06/17 14:31	1
Benzene	ND		1.0	0.41	ug/L			03/06/17 14:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/17 14:31	1
Bromoform	ND	*	1.0	0.26	ug/L			03/06/17 14:31	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/17 14:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/17 14:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/17 14:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/17 14:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/17 14:31	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/17 14:31	1
Chloroform	**0.39**	**J**	1.0	0.34	ug/L			03/06/17 14:31	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/17 14:31	1
cis-1,2-Dichloroethene	**26**		1.0	0.81	ug/L			03/06/17 14:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/17 14:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/17 14:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/17 14:31	1
Styrene	ND		1.0	0.73	ug/L			03/06/17 14:31	1
Tetrachloroethene	**0.36**	**J**	1.0	0.36	ug/L			03/06/17 14:31	1
Toluene	ND		1.0	0.51	ug/L			03/06/17 14:31	1
trans-1,2-Dichloroethene	**3.9**		1.0	0.90	ug/L			03/06/17 14:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/17 14:31	1
Trichloroethene	**75**		1.0	0.46	ug/L			03/06/17 14:31	1
Vinyl chloride	**4.5**		1.0	0.90	ug/L			03/06/17 14:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/17 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*03/06/17 14:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/06/17 14:31*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/06/17 14:31*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/06/17 14:31*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Client Sample ID: Influent

Lab Sample ID: 480-114182-4

Date Collected: 03/02/17 07:32
Date Received: 03/03/17 10:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**25**		2.0	1.6	ug/L			03/06/17 14:55	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/06/17 14:55	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/06/17 14:55	2
1,1-Dichloroethane	**4.8**		2.0	0.76	ug/L			03/06/17 14:55	2
1,1-Dichloroethene	**1.6**	**J**	2.0	0.58	ug/L			03/06/17 14:55	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/06/17 14:55	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/06/17 14:55	2
2-Hexanone	ND		10	2.5	ug/L			03/06/17 14:55	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/06/17 14:55	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/06/17 14:55	2
Acetone	ND		20	6.0	ug/L			03/06/17 14:55	2
Benzene	ND		2.0	0.82	ug/L			03/06/17 14:55	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/06/17 14:55	2
Bromoform	ND	*	2.0	0.52	ug/L			03/06/17 14:55	2
Bromomethane	ND		2.0	1.4	ug/L			03/06/17 14:55	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/06/17 14:55	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/06/17 14:55	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/06/17 14:55	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/06/17 14:55	2
Chloroethane	ND		2.0	0.64	ug/L			03/06/17 14:55	2
Chloroform	ND		2.0	0.68	ug/L			03/06/17 14:55	2
Chloromethane	ND		2.0	0.70	ug/L			03/06/17 14:55	2
cis-1,2-Dichloroethene	**46**		2.0	1.6	ug/L			03/06/17 14:55	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/06/17 14:55	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/06/17 14:55	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/06/17 14:55	2
Styrene	ND		2.0	1.5	ug/L			03/06/17 14:55	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/06/17 14:55	2
Toluene	ND		2.0	1.0	ug/L			03/06/17 14:55	2
trans-1,2-Dichloroethene	**7.3**		2.0	1.8	ug/L			03/06/17 14:55	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/06/17 14:55	2
Trichloroethene	**110**		2.0	0.92	ug/L			03/06/17 14:55	2
Vinyl chloride	**6.9**		2.0	1.8	ug/L			03/06/17 14:55	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/06/17 14:55	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*03/06/17 14:55*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/06/17 14:55*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/06/17 14:55*	*2*
Dibromofluoromethane (Surr)	*114*		*75 - 123*		*03/06/17 14:55*	*2*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-114182-1	Trip Blank	108	94	99	110
480-114182-2	Effluent	103	96	99	111
480-114182-3	Mixing Tank	106	97	101	111
480-114182-4	Influent	107	96	102	114
LCS 480-346219/5	Lab Control Sample	105	100	108	107
LCSD 480-346219/6	Lab Control Sample Dup	100	97	104	105
MB 480-346219/8	Method Blank	102	96	103	107

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-346219/8
Matrix: Water
Analysis Batch: 346219

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/06/17 10:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/06/17 10:36	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/06/17 10:36	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/06/17 10:36	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/06/17 10:36	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/06/17 10:36	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/06/17 10:36	1
2-Hexanone	ND		5.0	1.2	ug/L			03/06/17 10:36	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/06/17 10:36	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/06/17 10:36	1
Acetone	ND		10	3.0	ug/L			03/06/17 10:36	1
Benzene	ND		1.0	0.41	ug/L			03/06/17 10:36	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/06/17 10:36	1
Bromoform	ND		1.0	0.26	ug/L			03/06/17 10:36	1
Bromomethane	ND		1.0	0.69	ug/L			03/06/17 10:36	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/06/17 10:36	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/06/17 10:36	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/06/17 10:36	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/06/17 10:36	1
Chloroethane	ND		1.0	0.32	ug/L			03/06/17 10:36	1
Chloroform	ND		1.0	0.34	ug/L			03/06/17 10:36	1
Chloromethane	ND		1.0	0.35	ug/L			03/06/17 10:36	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/06/17 10:36	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/06/17 10:36	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/06/17 10:36	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/06/17 10:36	1
Styrene	ND		1.0	0.73	ug/L			03/06/17 10:36	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/06/17 10:36	1
Toluene	ND		1.0	0.51	ug/L			03/06/17 10:36	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/06/17 10:36	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/06/17 10:36	1
Trichloroethene	ND		1.0	0.46	ug/L			03/06/17 10:36	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/06/17 10:36	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/06/17 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*03/06/17 10:36*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*03/06/17 10:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/06/17 10:36*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*03/06/17 10:36*	*1*

Lab Sample ID: LCS 480-346219/5
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	76 - 120

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

Lab Sample ID: LCS 480-346219/5
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	25.0		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	25.7		ug/L		103	66 - 127
1,2-Dichloroethane	25.0	25.2		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	23.8		ug/L		95	76 - 120
2-Hexanone	125	116		ug/L		93	65 - 127
2-Butanone (MEK)	125	119		ug/L		95	57 - 140
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	133		ug/L		106	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	29.0		ug/L		116	80 - 122
Bromoform	25.0	33.3	*	ug/L		133	61 - 132
Bromomethane	25.0	27.0		ug/L		108	55 - 144
Carbon disulfide	25.0	24.6		ug/L		98	59 - 134
Carbon tetrachloride	25.0	30.4		ug/L		122	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	80 - 120
Dibromochloromethane	25.0	30.7		ug/L		123	75 - 125
Chloroethane	25.0	25.8		ug/L		103	69 - 136
Chloroform	25.0	25.2		ug/L		101	73 - 127
Chloromethane	25.0	26.1		ug/L		104	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Ethylbenzene	25.0	25.1		ug/L		101	77 - 123
Methylene Chloride	25.0	25.9		ug/L		103	75 - 124
Styrene	25.0	25.6		ug/L		102	80 - 120
Tetrachloroethene	25.0	27.0		ug/L		108	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	80 - 120
Trichloroethene	25.0	26.4		ug/L		106	74 - 123
Vinyl chloride	25.0	27.8		ug/L		111	65 - 133
Xylenes, Total	50.0	50.6		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: LCSD 480-346219/6
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	25.0	25.0		ug/L		100	73 - 126	10	15
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	76 - 120	1	15
1,1,2-Trichloroethane	25.0	22.8		ug/L		91	76 - 122	10	15
1,1-Dichloroethane	25.0	23.2		ug/L		93	77 - 120	7	20

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

Lab Sample ID: LCSD 480-346219/6
Matrix: Water
Analysis Batch: 346219

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	25.0	24.3		ug/L		97	66 - 127	6	16
1,2-Dichloroethane	25.0	24.2		ug/L		97	75 - 120	4	20
1,2-Dichloropropane	25.0	23.2		ug/L		93	76 - 120	3	20
2-Hexanone	125	112		ug/L		89	65 - 127	4	15
2-Butanone (MEK)	125	110		ug/L		88	57 - 140	7	20
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125	4	35
Acetone	125	126		ug/L		101	56 - 142	5	15
Benzene	25.0	23.0		ug/L		92	71 - 124	7	13
Bromodichloromethane	25.0	27.4		ug/L		109	80 - 122	6	15
Bromoform	25.0	33.1		ug/L		132	61 - 132	1	15
Bromomethane	25.0	24.6		ug/L		98	55 - 144	9	15
Carbon disulfide	25.0	22.7		ug/L		91	59 - 134	8	15
Carbon tetrachloride	25.0	28.5		ug/L		114	72 - 134	7	15
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120	7	25
Dibromochloromethane	25.0	29.6		ug/L		119	75 - 125	3	15
Chloroethane	25.0	23.0		ug/L		92	69 - 136	11	15
Chloroform	25.0	23.7		ug/L		95	73 - 127	6	20
Chloromethane	25.0	23.6		ug/L		94	68 - 124	10	15
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124	7	15
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124	3	15
Ethylbenzene	25.0	23.6		ug/L		94	77 - 123	6	15
Methylene Chloride	25.0	23.8		ug/L		95	75 - 124	8	15
Styrene	25.0	24.1		ug/L		96	80 - 120	6	20
Tetrachloroethene	25.0	25.0		ug/L		100	74 - 122	8	20
Toluene	25.0	23.0		ug/L		92	80 - 122	6	15
trans-1,2-Dichloroethene	25.0	23.8		ug/L		95	73 - 127	8	20
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120	4	15
Trichloroethene	25.0	24.8		ug/L		99	74 - 123	6	16
Vinyl chloride	25.0	25.1		ug/L		101	65 - 133	10	15
Xylenes, Total	50.0	47.6		ug/L		95	76 - 122	6	16

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

GC/MS VOA

Analysis Batch: 346219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114182-1	Trip Blank	Total/NA	Water	8260C	
480-114182-2	Effluent	Total/NA	Water	8260C	
480-114182-3	Mixing Tank	Total/NA	Water	8260C	
480-114182-4	Influent	Total/NA	Water	8260C	
MB 480-346219/8	Method Blank	Total/NA	Water	8260C	
LCS 480-346219/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 480-346219/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-114182-1

Date Collected: 03/02/17 00:00 — **Matrix: Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	346219	03/06/17 13:44	ARS	TAL BUF

Client Sample ID: Effluent — Lab Sample ID: 480-114182-2

Date Collected: 03/02/17 07:20 — **Matrix: Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	346219	03/06/17 14:08	ARS	TAL BUF

Client Sample ID: Mixing Tank — Lab Sample ID: 480-114182-3

Date Collected: 03/02/17 07:26 — **Matrix: Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	346219	03/06/17 14:31	ARS	TAL BUF

Client Sample ID: Influent — Lab Sample ID: 480-114182-4

Date Collected: 03/02/17 07:32 — **Matrix: Water**
Date Received: 03/03/17 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	346219	03/06/17 14:55	ARS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-114182-1
SDG: 480-114182-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-114182-1	Trip Blank	Water	03/02/17 00:00	03/03/17 10:00
480-114182-2	Effluent	Water	03/02/17 07:20	03/03/17 10:00
480-114182-3	Mixing Tank	Water	03/02/17 07:26	03/03/17 10:00
480-114182-4	Influent	Water	03/02/17 07:32	03/03/17 10:00

Chain of Custody Record

CINCINNATI 210501

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Robert Giovanetti	Date: 3-2-17	Chain of Custody Number: 291600
Address: 8805 Governors Hill Dr	Telephone Number (Area Code)/Fax Number: 248-477-5701	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schowe	
Project Name and Location (State): GE-TRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11700083			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs (8260B)	Special Conditions
Trip Blank	3-2-17			X							X				X	
Effluent		7:20		X							X				X	
Mixing Tank		7:26		X							X				X	
Influent		7:30		X							X				X	

Matrix: Air, Aqueous, Sed., Soil

Containers & Preservatives: Unpres., H2SO4, HNO3, HCl, NaOH, ZnAc/NaOH

Analysis (Attach list if more space is needed): VOCs (8260B)

480-114182 COC

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Mike McLaughlin	3-1-17	8:34	1. Received By: [signature]	3/1/17	8:34
2. Relinquished By: [signature]	3/2/17	8:40	2. Received By: [signature]	3/3/17	1000
3. Relinquished By			3. Received By		

Comments: 2.0 #3

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-114182-1
SDG Number: 480-114182-1

Login Number: 114182
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-114835-1
Client Project/Site: GE - Evendale, OH Site
Sampling Event: GE IRM - Weekly

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
3/22/2017 12:28:38 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-114835-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-114835-1

Receipt
The samples were received on 3/21/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.9º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: Influent (480-114835-2). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Client Sample ID: Effluent — Lab Sample ID: 480-114835-1

No Detections.

Client Sample ID: Influent — Lab Sample ID: 480-114835-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	33		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.8		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.9	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	41		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	4.3		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank — Lab Sample ID: 480-114835-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	26		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	4.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.2		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.37	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	24		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.36	J	1.0	0.36	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.6		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	72		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-114835-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	0.49	J	1.0	0.46	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Client Sample ID: Effluent

Date Collected: 03/20/17 06:32
Date Received: 03/21/17 09:30

Lab Sample ID: 480-114835-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 17:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 17:03	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 17:03	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 17:03	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 17:03	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 17:03	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 17:03	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 17:03	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 17:03	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 17:03	1
Acetone	ND		10	3.0	ug/L			03/21/17 17:03	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 17:03	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 17:03	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 17:03	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 17:03	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 17:03	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 17:03	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 17:03	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 17:03	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 17:03	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 17:03	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 17:03	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 17:03	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 17:03	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 17:03	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 17:03	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 17:03	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 17:03	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 17:03	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 17:03	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 17:03	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 17:03	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 17:03	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*03/21/17 17:03*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/21/17 17:03*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/21/17 17:03*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*03/21/17 17:03*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Client Sample ID: Influent

Date Collected: 03/20/17 06:41
Date Received: 03/21/17 09:30

Lab Sample ID: 480-114835-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**33**		2.0	1.6	ug/L			03/21/17 17:58	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/21/17 17:58	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/21/17 17:58	2
1,1-Dichloroethane	**5.8**		2.0	0.76	ug/L			03/21/17 17:58	2
1,1-Dichloroethene	**1.9**	**J**	2.0	0.58	ug/L			03/21/17 17:58	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/21/17 17:58	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/21/17 17:58	2
2-Hexanone	ND		10	2.5	ug/L			03/21/17 17:58	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/21/17 17:58	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/21/17 17:58	2
Acetone	ND		20	6.0	ug/L			03/21/17 17:58	2
Benzene	ND		2.0	0.82	ug/L			03/21/17 17:58	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/21/17 17:58	2
Bromoform	ND		2.0	0.52	ug/L			03/21/17 17:58	2
Bromomethane	ND		2.0	1.4	ug/L			03/21/17 17:58	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/21/17 17:58	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/21/17 17:58	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/21/17 17:58	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/21/17 17:58	2
Chloroethane	ND		2.0	0.64	ug/L			03/21/17 17:58	2
Chloroform	ND		2.0	0.68	ug/L			03/21/17 17:58	2
Chloromethane	ND		2.0	0.70	ug/L			03/21/17 17:58	2
cis-1,2-Dichloroethene	**41**		2.0	1.6	ug/L			03/21/17 17:58	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/21/17 17:58	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/21/17 17:58	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/21/17 17:58	2
Styrene	ND		2.0	1.5	ug/L			03/21/17 17:58	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/21/17 17:58	2
Toluene	ND		2.0	1.0	ug/L			03/21/17 17:58	2
trans-1,2-Dichloroethene	**7.0**		2.0	1.8	ug/L			03/21/17 17:58	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/21/17 17:58	2
Trichloroethene	**110**		2.0	0.92	ug/L			03/21/17 17:58	2
Vinyl chloride	**4.3**		2.0	1.8	ug/L			03/21/17 17:58	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/21/17 17:58	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*03/21/17 17:58*	*2*
Toluene-d8 (Surr)	*91*		*80 - 120*		*03/21/17 17:58*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/21/17 17:58*	*2*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/21/17 17:58*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Client Sample ID: Mixing Tank

Lab Sample ID: 480-114835-3

Date Collected: 03/20/17 06:35
Matrix: Water
Date Received: 03/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**26**		1.0	0.82	ug/L			03/21/17 17:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 17:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 17:31	1
1,1-Dichloroethane	**4.0**		1.0	0.38	ug/L			03/21/17 17:31	1
1,1-Dichloroethene	**1.2**		1.0	0.29	ug/L			03/21/17 17:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 17:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 17:31	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 17:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 17:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 17:31	1
Acetone	ND		10	3.0	ug/L			03/21/17 17:31	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 17:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 17:31	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 17:31	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 17:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 17:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 17:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 17:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 17:31	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 17:31	1
Chloroform	**0.37**	**J**	1.0	0.34	ug/L			03/21/17 17:31	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 17:31	1
cis-1,2-Dichloroethene	**24**		1.0	0.81	ug/L			03/21/17 17:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 17:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 17:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 17:31	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 17:31	1
Tetrachloroethene	**0.36**	**J**	1.0	0.36	ug/L			03/21/17 17:31	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 17:31	1
trans-1,2-Dichloroethene	**3.6**		1.0	0.90	ug/L			03/21/17 17:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 17:31	1
Trichloroethene	**72**		1.0	0.46	ug/L			03/21/17 17:31	1
Vinyl chloride	**3.9**		1.0	0.90	ug/L			03/21/17 17:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*03/21/17 17:31*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/21/17 17:31*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/21/17 17:31*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*03/21/17 17:31*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-114835-4

Date Collected: 03/20/17 00:00
Matrix: Water
Date Received: 03/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 18:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 18:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 18:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 18:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 18:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 18:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 18:26	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 18:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 18:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 18:26	1
Acetone	ND		10	3.0	ug/L			03/21/17 18:26	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 18:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 18:26	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 18:26	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 18:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 18:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 18:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 18:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 18:26	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 18:26	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 18:26	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 18:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 18:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 18:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 18:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 18:26	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 18:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 18:26	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 18:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 18:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 18:26	1
Trichloroethene	**0.49**	**J**	1.0	0.46	ug/L			03/21/17 18:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 18:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*03/21/17 18:26*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*03/21/17 18:26*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/21/17 18:26*	*1*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*03/21/17 18:26*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	**Client Sample ID**	**(77-120)**	**(80-120)**	**(73-120)**	**(75-123)**
480-114835-1	Effluent	110	94	100	109
480-114835-2	Influent	115	91	101	111
480-114835-3	Mixing Tank	107	94	103	109
480-114835-4	Trip Blank	115	93	102	111
LCS 480-348205/4	Lab Control Sample	103	97	104	105
MB 480-348205/6	Method Blank	103	97	102	104

Surrogate Legend

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

QC Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-348205/6
Matrix: Water
Analysis Batch: 348205

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			03/21/17 11:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/21/17 11:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/21/17 11:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/21/17 11:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/21/17 11:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/21/17 11:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/21/17 11:17	1
2-Hexanone	ND		5.0	1.2	ug/L			03/21/17 11:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/21/17 11:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/21/17 11:17	1
Acetone	ND		10	3.0	ug/L			03/21/17 11:17	1
Benzene	ND		1.0	0.41	ug/L			03/21/17 11:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/21/17 11:17	1
Bromoform	ND		1.0	0.26	ug/L			03/21/17 11:17	1
Bromomethane	ND		1.0	0.69	ug/L			03/21/17 11:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/21/17 11:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/21/17 11:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/21/17 11:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/21/17 11:17	1
Chloroethane	ND		1.0	0.32	ug/L			03/21/17 11:17	1
Chloroform	ND		1.0	0.34	ug/L			03/21/17 11:17	1
Chloromethane	ND		1.0	0.35	ug/L			03/21/17 11:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/21/17 11:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/21/17 11:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/21/17 11:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/21/17 11:17	1
Styrene	ND		1.0	0.73	ug/L			03/21/17 11:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/21/17 11:17	1
Toluene	ND		1.0	0.51	ug/L			03/21/17 11:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/21/17 11:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/21/17 11:17	1
Trichloroethene	ND		1.0	0.46	ug/L			03/21/17 11:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/21/17 11:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/21/17 11:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*03/21/17 11:17*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/21/17 11:17*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/21/17 11:17*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*03/21/17 11:17*	*1*

Lab Sample ID: LCS 480-348205/4
Matrix: Water
Analysis Batch: 348205

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.7		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.3		ug/L		89	76 - 120

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

Lab Sample ID: LCS 480-348205/4
Matrix: Water
Analysis Batch: 348205

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	22.3		ug/L		89	76 - 122
1,1-Dichloroethane	25.0	23.6		ug/L		94	77 - 120
1,1-Dichloroethene	25.0	22.7		ug/L		91	66 - 127
1,2-Dichloroethane	25.0	25.3		ug/L		101	75 - 120
1,2-Dichloropropane	25.0	23.0		ug/L		92	76 - 120
2-Hexanone	125	121		ug/L		97	65 - 127
2-Butanone (MEK)	125	123		ug/L		98	57 - 140
4-Methyl-2-pentanone (MIBK)	125	110		ug/L		88	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	25.5		ug/L		102	80 - 122
Bromoform	25.0	28.6		ug/L		115	61 - 132
Bromomethane	25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	25.0	22.5		ug/L		90	59 - 134
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Chloroethane	25.0	25.8		ug/L		103	69 - 136
Chloroform	25.0	24.7		ug/L		99	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	24.6		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Ethylbenzene	25.0	23.0		ug/L		92	77 - 123
Methylene Chloride	25.0	21.8		ug/L		87	75 - 124
Styrene	25.0	23.1		ug/L		92	80 - 120
Tetrachloroethene	25.0	24.3		ug/L		97	74 - 122
Toluene	25.0	22.9		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	24.6		ug/L		99	80 - 120
Trichloroethene	25.0	24.4		ug/L		97	74 - 123
Vinyl chloride	25.0	24.3		ug/L		97	65 - 133
Xylenes, Total	50.0	46.4		ug/L		93	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

GC/MS VOA

Analysis Batch: 348205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-114835-1	Effluent	Total/NA	Water	8260C	
480-114835-2	Influent	Total/NA	Water	8260C	
480-114835-3	Mixing Tank	Total/NA	Water	8260C	
480-114835-4	Trip Blank	Total/NA	Water	8260C	
MB 480-348205/6	Method Blank	Total/NA	Water	8260C	
LCS 480-348205/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Client Sample ID: Effluent — Lab Sample ID: 480-114835-1

Date Collected: 03/20/17 06:32 — **Matrix: Water**
Date Received: 03/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348205	03/21/17 17:03	SMY	TAL BUF

Client Sample ID: Influent — Lab Sample ID: 480-114835-2

Date Collected: 03/20/17 06:41 — **Matrix: Water**
Date Received: 03/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	348205	03/21/17 17:58	SMY	TAL BUF

Client Sample ID: Mixing Tank — Lab Sample ID: 480-114835-3

Date Collected: 03/20/17 06:35 — **Matrix: Water**
Date Received: 03/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348205	03/21/17 17:31	SMY	TAL BUF

Client Sample ID: Trip Blank — Lab Sample ID: 480-114835-4

Date Collected: 03/20/17 00:00 — **Matrix: Water**
Date Received: 03/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	348205	03/21/17 18:26	SMY	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Evendale, OH Site

TestAmerica Job ID: 480-114835-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-114835-1	Effluent	Water	03/20/17 06:32	03/21/17 09:30
480-114835-2	Influent	Water	03/20/17 06:41	03/21/17 09:30
480-114835-3	Mixing Tank	Water	03/20/17 06:35	03/21/17 09:30
480-114835-4	Trip Blank	Water	03/20/17 00:00	03/21/17 09:30

[redacted]

Chain of Custody Record

480034453

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CINCINNATI 210501

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
O'Brien & Gere	Robert Giovanetti	3-20-17	291602
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
8805 Governor's Hill Dr	248-477-5701		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Cincinnati / OH / 45241	Mike McLaughlin	John Schone	
Project Name and Location (State)	**Carrier/Waybill Number**		
GE-IRM (Ohio)			
Contract/Purchase Order/Quote No.			
11700083			

Analysis (Attach list if more space is needed): VOCs (8260B)

480-114835 COC

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOCs (8260B)
Trip Blank	3-20-17			X							2			X
Effluent	↓	632		X							3			X
Mixing Tank	↓	635		X							3			X
Influent	↓	641		X							3			X

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	3-20-17	8:09	1. Received By: [signature]	3/20/17	8:09
2. Relinquished By: [signature]	3/20/17	924	2. Received By: [signature]	3/21/17	0930
3. Relinquished By			3. Received By		

Comments: 2.9 #1

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-114835-1

Login Number: 114835
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-113693-1
TestAmerica Sample Delivery Group: 480-113693-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
2/28/2017 12:03:01 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-113693-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-113693-1

Receipt
The samples were received on 2/21/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: PMW-3P-022017 (480-113693-1), TMW-1P-022017 (480-113693-7) and AF-25P-022017 (480-113693-12). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: TMW-1S-022017 (480-113693-8) and AF-4P-022017 (480-113693-9). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: PMW-3P-022017 — Lab Sample ID: 480-113693-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	23		4.0	1.5	ug/L	4		8260C	Total/NA
Acetone	17	J	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	87		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	2.2	J	4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	28		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: PMW-3S-022017 — Lab Sample ID: 480-113693-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.3		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.8		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	6.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	16		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	16		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	3.6		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	6.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10P-022017 — Lab Sample ID: 480-113693-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	10		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	6.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	17		10	3.0	ug/L	1		8260C	Total/NA
Chloroethane	0.43	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	41		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	10		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	8.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10S-022017 — Lab Sample ID: 480-113693-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	1.4		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.0		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	6.8	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	19		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.4		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	20		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5P-022017 — Lab Sample ID: 480-113693-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	28		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.8		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.81	J	1.0	0.29	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	6.1	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	18		10	3.0	ug/L	1		8260C	Total/NA
Chloroform	0.97	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.9		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	0.44	J	1.0	0.36	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-5P-022017 (Continued) — Lab Sample ID: 480-113693-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	87		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-5S-022017 — Lab Sample ID: 480-113693-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.2		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	7.5	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	15		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	2.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	15		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-1P-022017 — Lab Sample ID: 480-113693-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	120		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	43		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	13		4.0	1.2	ug/L	4		8260C	Total/NA
Acetone	19	J	40	12	ug/L	4		8260C	Total/NA
Chloroform	1.7	J	4.0	1.4	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	39		4.0	3.2	ug/L	4		8260C	Total/NA
Tetrachloroethene	1.4	J	4.0	1.4	ug/L	4		8260C	Total/NA
Trichloroethene	170		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	10		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: TMW-1S-022017 — Lab Sample ID: 480-113693-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	25		2.0	1.6	ug/L	2		8260C	Total/NA
Vinyl chloride	58		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: AF-4P-022017 — Lab Sample ID: 480-113693-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	44		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	5.9		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.4		1.0	0.29	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	6.4	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	15		10	3.0	ug/L	1		8260C	Total/NA
Chloroform	0.65	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	6.4		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	9.0		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene - DL	110		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: AF-4S-022017 — Lab Sample ID: 480-113693-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	11		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.4		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	3.8		1.0	0.29	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	6.0	J	10	1.3	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AF-4S-022017 (Continued) — Lab Sample ID: 480-113693-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	69		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.9		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	22		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	1.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-6S-022017 — Lab Sample ID: 480-113693-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	15		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-25P-022017 — Lab Sample ID: 480-113693-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	220		10	8.2	ug/L	10		8260C	Total/NA
1,1-Dichloroethane	43		10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	17		10	2.9	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	9.4	J	10	8.1	ug/L	10		8260C	Total/NA
Tetrachloroethene	5.1	J	10	3.6	ug/L	10		8260C	Total/NA
Trichloroethene	290		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: AF-19S-022017 — Lab Sample ID: 480-113693-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.3	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	16		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	20		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: TMW-2S-022017 — Lab Sample ID: 480-113693-14

No Detections.

Client Sample ID: AF-9S-022017 — Lab Sample ID: 480-113693-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.49	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: TB-01-022017 — Lab Sample ID: 480-113693-16

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: PMW-3P-022017

Lab Sample ID: 480-113693-1

Date Collected: 02/20/17 10:32
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/21/17 13:51	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/21/17 13:51	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/21/17 13:51	4
1,1-Dichloroethane	**23**		4.0	1.5	ug/L			02/21/17 13:51	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/21/17 13:51	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/21/17 13:51	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/21/17 13:51	4
2-Hexanone	ND		20	5.0	ug/L			02/21/17 13:51	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/21/17 13:51	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/21/17 13:51	4
Acetone	**17**	**J**	40	12	ug/L			02/21/17 13:51	4
Benzene	ND		4.0	1.6	ug/L			02/21/17 13:51	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/21/17 13:51	4
Bromoform	ND		4.0	1.0	ug/L			02/21/17 13:51	4
Bromomethane	ND		4.0	2.8	ug/L			02/21/17 13:51	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/21/17 13:51	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/21/17 13:51	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/21/17 13:51	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/21/17 13:51	4
Chloroethane	ND		4.0	1.3	ug/L			02/21/17 13:51	4
Chloroform	ND		4.0	1.4	ug/L			02/21/17 13:51	4
Chloromethane	ND		4.0	1.4	ug/L			02/21/17 13:51	4
cis-1,2-Dichloroethene	**87**		4.0	3.2	ug/L			02/21/17 13:51	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/21/17 13:51	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/21/17 13:51	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/21/17 13:51	4
Styrene	ND		4.0	2.9	ug/L			02/21/17 13:51	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/21/17 13:51	4
Toluene	ND		4.0	2.0	ug/L			02/21/17 13:51	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/21/17 13:51	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/21/17 13:51	4
Trichloroethene	**2.2**	**J**	4.0	1.8	ug/L			02/21/17 13:51	4
Vinyl chloride	**28**		4.0	3.6	ug/L			02/21/17 13:51	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/21/17 13:51	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/21/17 13:51*	*4*
Toluene-d8 (Surr)	*98*		*80 - 120*		*02/21/17 13:51*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/21/17 13:51*	*4*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/21/17 13:51*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: PMW-3S-022017

Lab Sample ID: 480-113693-2

Date Collected: 02/20/17 10:37
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.3**		1.0	0.82	ug/L			02/21/17 14:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 14:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 14:14	1
1,1-Dichloroethane	**3.8**		1.0	0.38	ug/L			02/21/17 14:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 14:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 14:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 14:14	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 14:14	1
2-Butanone (MEK)	**6.7**	**J**	10	1.3	ug/L			02/21/17 14:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 14:14	1
Acetone	**16**		10	3.0	ug/L			02/21/17 14:14	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 14:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 14:14	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 14:14	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 14:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 14:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 14:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 14:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 14:14	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 14:14	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 14:14	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 14:14	1
cis-1,2-Dichloroethene	**16**		1.0	0.81	ug/L			02/21/17 14:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 14:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 14:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 14:14	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 14:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 14:14	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 14:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 14:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 14:14	1
Trichloroethene	**3.6**		1.0	0.46	ug/L			02/21/17 14:14	1
Vinyl chloride	**6.9**		1.0	0.90	ug/L			02/21/17 14:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/21/17 14:14*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/21/17 14:14*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/21/17 14:14*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/21/17 14:14*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: OSMW-10P-022017

Lab Sample ID: 480-113693-3

Date Collected: 02/20/17 11:00
Date Received: 02/21/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.5**		1.0	0.82	ug/L			02/21/17 14:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 14:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 14:38	1
1,1-Dichloroethane	**10**		1.0	0.38	ug/L			02/21/17 14:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 14:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 14:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 14:38	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 14:38	1
2-Butanone (MEK)	**6.7**	**J**	10	1.3	ug/L			02/21/17 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 14:38	1
Acetone	**17**		10	3.0	ug/L			02/21/17 14:38	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 14:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 14:38	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 14:38	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 14:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 14:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 14:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 14:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 14:38	1
Chloroethane	**0.43**	**J**	1.0	0.32	ug/L			02/21/17 14:38	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 14:38	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 14:38	1
cis-1,2-Dichloroethene	**41**		1.0	0.81	ug/L			02/21/17 14:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 14:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 14:38	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 14:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 14:38	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 14:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 14:38	1
Trichloroethene	**10**		1.0	0.46	ug/L			02/21/17 14:38	1
Vinyl chloride	**8.0**		1.0	0.90	ug/L			02/21/17 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/21/17 14:38*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/21/17 14:38*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/21/17 14:38*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/21/17 14:38*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: OSMW-10S-022017

Lab Sample ID: 480-113693-4

Date Collected: 02/20/17 11:10
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**1.4**		1.0	0.82	ug/L			02/21/17 15:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 15:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 15:02	1
1,1-Dichloroethane	**2.0**		1.0	0.38	ug/L			02/21/17 15:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 15:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 15:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 15:02	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 15:02	1
2-Butanone (MEK)	**6.8**	**J**	10	1.3	ug/L			02/21/17 15:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 15:02	1
Acetone	**19**		10	3.0	ug/L			02/21/17 15:02	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 15:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 15:02	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 15:02	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 15:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 15:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 15:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 15:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 15:02	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 15:02	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 15:02	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 15:02	1
cis-1,2-Dichloroethene	**3.4**		1.0	0.81	ug/L			02/21/17 15:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 15:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 15:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 15:02	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 15:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 15:02	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 15:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 15:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 15:02	1
Trichloroethene	**20**		1.0	0.46	ug/L			02/21/17 15:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 15:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/21/17 15:02*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 15:02*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/21/17 15:02*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/21/17 15:02*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-5P-022017

Lab Sample ID: 480-113693-5

Date Collected: 02/20/17 11:27
Date Received: 02/21/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**28**		1.0	0.82	ug/L			02/21/17 15:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 15:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 15:25	1
1,1-Dichloroethane	**2.8**		1.0	0.38	ug/L			02/21/17 15:25	1
1,1-Dichloroethene	**0.81**	**J**	1.0	0.29	ug/L			02/21/17 15:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 15:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 15:25	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 15:25	1
2-Butanone (MEK)	**6.1**	**J**	10	1.3	ug/L			02/21/17 15:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 15:25	1
Acetone	**18**		10	3.0	ug/L			02/21/17 15:25	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 15:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 15:25	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 15:25	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 15:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 15:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 15:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 15:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 15:25	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 15:25	1
Chloroform	**0.97**	**J**	1.0	0.34	ug/L			02/21/17 15:25	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 15:25	1
cis-1,2-Dichloroethene	**3.9**		1.0	0.81	ug/L			02/21/17 15:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 15:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 15:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 15:25	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 15:25	1
Tetrachloroethene	**0.44**	**J**	1.0	0.36	ug/L			02/21/17 15:25	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 15:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 15:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 15:25	1
Trichloroethene	**87**		1.0	0.46	ug/L			02/21/17 15:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 15:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 15:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/21/17 15:25*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 15:25*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/21/17 15:25*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/21/17 15:25*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-5S-022017

Lab Sample ID: 480-113693-6

Date Collected: 02/20/17 11:35
Date Received: 02/21/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 15:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 15:49	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 15:49	1
1,1-Dichloroethane	**3.2**		1.0	0.38	ug/L			02/21/17 15:49	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 15:49	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 15:49	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 15:49	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 15:49	1
2-Butanone (MEK)	**7.5**	**J**	10	1.3	ug/L			02/21/17 15:49	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 15:49	1
Acetone	**15**		10	3.0	ug/L			02/21/17 15:49	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 15:49	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 15:49	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 15:49	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 15:49	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 15:49	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 15:49	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 15:49	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 15:49	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 15:49	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 15:49	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 15:49	1
cis-1,2-Dichloroethene	**2.7**		1.0	0.81	ug/L			02/21/17 15:49	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 15:49	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 15:49	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 15:49	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 15:49	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 15:49	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 15:49	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 15:49	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 15:49	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 15:49	1
Vinyl chloride	**15**		1.0	0.90	ug/L			02/21/17 15:49	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 15:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*02/21/17 15:49*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 15:49*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/21/17 15:49*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/21/17 15:49*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: TMW-1P-022017

Lab Sample ID: 480-113693-7

Date Collected: 02/20/17 11:54
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**120**		4.0	3.3	ug/L			02/21/17 16:13	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/21/17 16:13	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/21/17 16:13	4
1,1-Dichloroethane	**43**		4.0	1.5	ug/L			02/21/17 16:13	4
1,1-Dichloroethene	**13**		4.0	1.2	ug/L			02/21/17 16:13	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/21/17 16:13	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/21/17 16:13	4
2-Hexanone	ND		20	5.0	ug/L			02/21/17 16:13	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/21/17 16:13	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/21/17 16:13	4
Acetone	**19**	**J**	40	12	ug/L			02/21/17 16:13	4
Benzene	ND		4.0	1.6	ug/L			02/21/17 16:13	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/21/17 16:13	4
Bromoform	ND		4.0	1.0	ug/L			02/21/17 16:13	4
Bromomethane	ND		4.0	2.8	ug/L			02/21/17 16:13	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/21/17 16:13	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/21/17 16:13	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/21/17 16:13	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/21/17 16:13	4
Chloroethane	ND		4.0	1.3	ug/L			02/21/17 16:13	4
Chloroform	**1.7**	**J**	4.0	1.4	ug/L			02/21/17 16:13	4
Chloromethane	ND		4.0	1.4	ug/L			02/21/17 16:13	4
cis-1,2-Dichloroethene	**39**		4.0	3.2	ug/L			02/21/17 16:13	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/21/17 16:13	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/21/17 16:13	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/21/17 16:13	4
Styrene	ND		4.0	2.9	ug/L			02/21/17 16:13	4
Tetrachloroethene	**1.4**	**J**	4.0	1.4	ug/L			02/21/17 16:13	4
Toluene	ND		4.0	2.0	ug/L			02/21/17 16:13	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/21/17 16:13	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/21/17 16:13	4
Trichloroethene	**170**		4.0	1.8	ug/L			02/21/17 16:13	4
Vinyl chloride	**10**		4.0	3.6	ug/L			02/21/17 16:13	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/21/17 16:13	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*02/21/17 16:13*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 16:13*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/21/17 16:13*	*4*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/21/17 16:13*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: TMW-1S-022017

Lab Sample ID: 480-113693-8

Date Collected: 02/20/17 12:10
Date Received: 02/21/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		2.0	1.6	ug/L			02/21/17 23:32	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/21/17 23:32	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/21/17 23:32	2
1,1-Dichloroethane	ND		2.0	0.76	ug/L			02/21/17 23:32	2
1,1-Dichloroethene	ND		2.0	0.58	ug/L			02/21/17 23:32	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/21/17 23:32	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/21/17 23:32	2
2-Hexanone	ND		10	2.5	ug/L			02/21/17 23:32	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/21/17 23:32	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/21/17 23:32	2
Acetone	ND		20	6.0	ug/L			02/21/17 23:32	2
Benzene	ND		2.0	0.82	ug/L			02/21/17 23:32	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/21/17 23:32	2
Bromoform	ND		2.0	0.52	ug/L			02/21/17 23:32	2
Bromomethane	ND		2.0	1.4	ug/L			02/21/17 23:32	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/21/17 23:32	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/21/17 23:32	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/21/17 23:32	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/21/17 23:32	2
Chloroethane	ND		2.0	0.64	ug/L			02/21/17 23:32	2
Chloroform	ND		2.0	0.68	ug/L			02/21/17 23:32	2
Chloromethane	ND		2.0	0.70	ug/L			02/21/17 23:32	2
cis-1,2-Dichloroethene	**25**		2.0	1.6	ug/L			02/21/17 23:32	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/21/17 23:32	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/21/17 23:32	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/21/17 23:32	2
Styrene	ND		2.0	1.5	ug/L			02/21/17 23:32	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/21/17 23:32	2
Toluene	ND		2.0	1.0	ug/L			02/21/17 23:32	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/21/17 23:32	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/21/17 23:32	2
Trichloroethene	ND		2.0	0.92	ug/L			02/21/17 23:32	2
Vinyl chloride	**58**		2.0	1.8	ug/L			02/21/17 23:32	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/21/17 23:32	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/21/17 23:32*	*2*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 23:32*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/21/17 23:32*	*2*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*02/21/17 23:32*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-4P-022017

Date Collected: 02/20/17 12:37
Date Received: 02/21/17 09:30

Lab Sample ID: 480-113693-9

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**44**		1.0	0.82	ug/L			02/21/17 17:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 17:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 17:00	1
1,1-Dichloroethane	**5.9**		1.0	0.38	ug/L			02/21/17 17:00	1
1,1-Dichloroethene	**1.4**		1.0	0.29	ug/L			02/21/17 17:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 17:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 17:00	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 17:00	1
2-Butanone (MEK)	**6.4**	**J**	10	1.3	ug/L			02/21/17 17:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 17:00	1
Acetone	**15**		10	3.0	ug/L			02/21/17 17:00	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 17:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 17:00	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 17:00	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 17:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 17:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 17:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 17:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 17:00	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 17:00	1
Chloroform	**0.65**	**J**	1.0	0.34	ug/L			02/21/17 17:00	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 17:00	1
cis-1,2-Dichloroethene	**6.4**		1.0	0.81	ug/L			02/21/17 17:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 17:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 17:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 17:00	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 17:00	1
Tetrachloroethene	**9.0**		1.0	0.36	ug/L			02/21/17 17:00	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 17:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 17:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 17:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 17:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/21/17 17:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 17:00*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/21/17 17:00*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/21/17 17:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**110**		2.0	0.92	ug/L			02/21/17 23:56	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*02/21/17 23:56*	*2*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/21/17 23:56*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/21/17 23:56*	*2*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/21/17 23:56*	*2*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-4S-022017

Lab Sample ID: 480-113693-10

Date Collected: 02/20/17 12:45
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**11**		1.0	0.82	ug/L			02/21/17 17:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 17:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 17:24	1
1,1-Dichloroethane	**6.4**		1.0	0.38	ug/L			02/21/17 17:24	1
1,1-Dichloroethene	**3.8**		1.0	0.29	ug/L			02/21/17 17:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 17:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 17:24	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 17:24	1
2-Butanone (MEK)	**6.0**	**J**	10	1.3	ug/L			02/21/17 17:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 17:24	1
Acetone	**16**		10	3.0	ug/L			02/21/17 17:24	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 17:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 17:24	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 17:24	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 17:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 17:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 17:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 17:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 17:24	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 17:24	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 17:24	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 17:24	1
cis-1,2-Dichloroethene	**69**		1.0	0.81	ug/L			02/21/17 17:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 17:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 17:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 17:24	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 17:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 17:24	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 17:24	1
trans-1,2-Dichloroethene	**3.9**		1.0	0.90	ug/L			02/21/17 17:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 17:24	1
Trichloroethene	**22**		1.0	0.46	ug/L			02/21/17 17:24	1
Vinyl chloride	**1.5**		1.0	0.90	ug/L			02/21/17 17:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/21/17 17:24*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/21/17 17:24*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/21/17 17:24*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/21/17 17:24*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-6S-022017

Lab Sample ID: 480-113693-11

Date Collected: 02/20/17 13:02
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 17:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 17:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 17:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/21/17 17:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 17:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 17:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 17:48	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 17:48	1
2-Butanone (MEK)	**4.7**	**J**	10	1.3	ug/L			02/21/17 17:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 17:48	1
Acetone	**15**		10	3.0	ug/L			02/21/17 17:48	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 17:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 17:48	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 17:48	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 17:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 17:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 17:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 17:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 17:48	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 17:48	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 17:48	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 17:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/21/17 17:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 17:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 17:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 17:48	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 17:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 17:48	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 17:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 17:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 17:48	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 17:48	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 17:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/21/17 17:48*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/21/17 17:48*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/21/17 17:48*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/21/17 17:48*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-25P-022017

Lab Sample ID: 480-113693-12

Date Collected: 02/20/17 14:05
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**220**		10	8.2	ug/L			02/21/17 18:11	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			02/21/17 18:11	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			02/21/17 18:11	10
1,1-Dichloroethane	**43**		10	3.8	ug/L			02/21/17 18:11	10
1,1-Dichloroethene	**17**		10	2.9	ug/L			02/21/17 18:11	10
1,2-Dichloroethane	ND		10	2.1	ug/L			02/21/17 18:11	10
1,2-Dichloropropane	ND		10	7.2	ug/L			02/21/17 18:11	10
2-Hexanone	ND		50	12	ug/L			02/21/17 18:11	10
2-Butanone (MEK)	ND		100	13	ug/L			02/21/17 18:11	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			02/21/17 18:11	10
Acetone	ND		100	30	ug/L			02/21/17 18:11	10
Benzene	ND		10	4.1	ug/L			02/21/17 18:11	10
Bromodichloromethane	ND		10	3.9	ug/L			02/21/17 18:11	10
Bromoform	ND		10	2.6	ug/L			02/21/17 18:11	10
Bromomethane	ND		10	6.9	ug/L			02/21/17 18:11	10
Carbon disulfide	ND		10	1.9	ug/L			02/21/17 18:11	10
Carbon tetrachloride	ND		10	2.7	ug/L			02/21/17 18:11	10
Chlorobenzene	ND		10	7.5	ug/L			02/21/17 18:11	10
Dibromochloromethane	ND		10	3.2	ug/L			02/21/17 18:11	10
Chloroethane	ND		10	3.2	ug/L			02/21/17 18:11	10
Chloroform	ND		10	3.4	ug/L			02/21/17 18:11	10
Chloromethane	ND		10	3.5	ug/L			02/21/17 18:11	10
cis-1,2-Dichloroethene	**9.4**	**J**	10	8.1	ug/L			02/21/17 18:11	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			02/21/17 18:11	10
Ethylbenzene	ND		10	7.4	ug/L			02/21/17 18:11	10
Methylene Chloride	ND		10	4.4	ug/L			02/21/17 18:11	10
Styrene	ND		10	7.3	ug/L			02/21/17 18:11	10
Tetrachloroethene	**5.1**	**J**	10	3.6	ug/L			02/21/17 18:11	10
Toluene	ND		10	5.1	ug/L			02/21/17 18:11	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			02/21/17 18:11	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			02/21/17 18:11	10
Trichloroethene	**290**		10	4.6	ug/L			02/21/17 18:11	10
Vinyl chloride	ND		10	9.0	ug/L			02/21/17 18:11	10
Xylenes, Total	ND		20	6.6	ug/L			02/21/17 18:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/21/17 18:11*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/21/17 18:11*	*10*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/21/17 18:11*	*10*
Dibromofluoromethane (Surr)	*103*		*75 - 123*		*02/21/17 18:11*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-19S-022017

Lab Sample ID: 480-113693-13

Date Collected: 02/20/17 14:15
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 18:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 18:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 18:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/21/17 18:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 18:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 18:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 18:35	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 18:35	1
2-Butanone (MEK)	**6.3**	**J**	10	1.3	ug/L			02/21/17 18:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 18:35	1
Acetone	**16**		10	3.0	ug/L			02/21/17 18:35	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 18:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 18:35	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 18:35	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 18:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 18:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 18:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 18:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 18:35	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 18:35	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 18:35	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 18:35	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			02/21/17 18:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 18:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 18:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 18:35	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 18:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 18:35	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 18:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 18:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 18:35	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 18:35	1
Vinyl chloride	**20**		1.0	0.90	ug/L			02/21/17 18:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*02/21/17 18:35*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/21/17 18:35*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/21/17 18:35*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/21/17 18:35*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: TMW-2S-022017

Lab Sample ID: 480-113693-14

Date Collected: 02/20/17 14:25
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 18:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 18:58	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 18:58	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/21/17 18:58	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 18:58	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 18:58	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 18:58	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 18:58	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/21/17 18:58	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 18:58	1
Acetone	ND		10	3.0	ug/L			02/21/17 18:58	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 18:58	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 18:58	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 18:58	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 18:58	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 18:58	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 18:58	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 18:58	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 18:58	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 18:58	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 18:58	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 18:58	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/21/17 18:58	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 18:58	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 18:58	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 18:58	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 18:58	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 18:58	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 18:58	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 18:58	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 18:58	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 18:58	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 18:58	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/21/17 18:58*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/21/17 18:58*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*02/21/17 18:58*	*1*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*02/21/17 18:58*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-9S-022017

Lab Sample ID: 480-113693-15

Date Collected: 02/20/17 14:45

Matrix: Water

Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 19:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 19:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 19:22	1
1,1-Dichloroethane	**0.49**	**J**	1.0	0.38	ug/L			02/21/17 19:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 19:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 19:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 19:22	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 19:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/21/17 19:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 19:22	1
Acetone	ND		10	3.0	ug/L			02/21/17 19:22	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 19:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 19:22	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 19:22	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 19:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 19:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 19:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 19:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 19:22	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 19:22	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 19:22	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 19:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/21/17 19:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 19:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 19:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 19:22	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 19:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 19:22	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 19:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 19:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 19:22	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 19:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 19:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/21/17 19:22*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/21/17 19:22*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/21/17 19:22*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/21/17 19:22*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: TB-01-022017

Lab Sample ID: 480-113693-16

Date Collected: 02/20/17 00:00
Matrix: Water
Date Received: 02/21/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 13:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 13:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 13:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/21/17 13:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 13:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 13:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 13:27	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 13:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/21/17 13:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 13:27	1
Acetone	ND		10	3.0	ug/L			02/21/17 13:27	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 13:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 13:27	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 13:27	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 13:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 13:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 13:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 13:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 13:27	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 13:27	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 13:27	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 13:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/21/17 13:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 13:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 13:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 13:27	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 13:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 13:27	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 13:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 13:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 13:27	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 13:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 13:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*		*02/21/17 13:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/21/17 13:27*	*1*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*02/21/17 13:27*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/21/17 13:27*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-113693-1	PMW-3P-022017	99	98	101	103
480-113693-2	PMW-3S-022017	99	100	104	104
480-113693-3	OSMW-10P-022017	101	99	104	104
480-113693-4	OSMW-10S-022017	98	97	101	100
480-113693-5	AF-5P-022017	98	97	102	106
480-113693-6	AF-5S-022017	100	97	101	102
480-113693-7	TMW-1P-022017	99	97	102	105
480-113693-8	TMW-1S-022017	98	97	102	101
480-113693-9	AF-4P-022017	96	97	102	100
480-113693-9 - DL	AF-4P-022017	100	96	101	103
480-113693-10	AF-4S-022017	98	96	101	106
480-113693-11	AF-6S-022017	101	96	99	105
480-113693-12	AF-25P-022017	98	99	104	103
480-113693-13	AF-19S-022017	100	96	104	106
480-113693-14	TMW-2S-022017	98	99	105	101
480-113693-15	AF-9S-022017	97	99	103	100
480-113693-16	TB-01-022017	107	102	107	107
LCS 480-344665/5	Lab Control Sample	97	100	107	100
LCS 480-344809/5	Lab Control Sample	91	100	109	96
MB 480-344665/7	Method Blank	96	99	103	99
MB 480-344809/7	Method Blank	97	97	104	104

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-344665/7
Matrix: Water
Analysis Batch: 344665

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 10:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 10:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 10:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/21/17 10:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 10:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 10:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 10:41	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 10:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/21/17 10:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 10:41	1
Acetone	ND		10	3.0	ug/L			02/21/17 10:41	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 10:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 10:41	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 10:41	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 10:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 10:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 10:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 10:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 10:41	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 10:41	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 10:41	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 10:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/21/17 10:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 10:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 10:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 10:41	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 10:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 10:41	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 10:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 10:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 10:41	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 10:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 10:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 10:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*77 - 120*		*02/21/17 10:41*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/21/17 10:41*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/21/17 10:41*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/21/17 10:41*	*1*

Lab Sample ID: LCS 480-344665/5
Matrix: Water
Analysis Batch: 344665

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	24.3		ug/L		97	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.1		ug/L		96	76 - 120

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

Lab Sample ID: LCS 480-344665/5
Matrix: Water
Analysis Batch: 344665

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	23.2		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	23.2		ug/L		93	66 - 127
1,2-Dichloroethane	25.0	22.9		ug/L		92	75 - 120
1,2-Dichloropropane	25.0	22.7		ug/L		91	76 - 120
2-Hexanone	125	121		ug/L		96	65 - 127
2-Butanone (MEK)	125	113		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	125	119		ug/L		95	71 - 125
Acetone	125	108		ug/L		86	56 - 142
Benzene	25.0	22.4		ug/L		90	71 - 124
Bromodichloromethane	25.0	25.8		ug/L		103	80 - 122
Bromoform	25.0	30.7		ug/L		123	61 - 132
Bromomethane	25.0	24.9		ug/L		100	55 - 144
Carbon disulfide	25.0	22.0		ug/L		88	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		105	72 - 134
Chlorobenzene	25.0	24.3		ug/L		97	80 - 120
Dibromochloromethane	25.0	28.1		ug/L		112	75 - 125
Chloroethane	25.0	23.7		ug/L		95	69 - 136
Chloroform	25.0	22.9		ug/L		92	73 - 127
Chloromethane	25.0	24.3		ug/L		97	68 - 124
cis-1,2-Dichloroethene	25.0	23.2		ug/L		93	74 - 124
cis-1,3-Dichloropropene	25.0	24.3		ug/L		97	74 - 124
Ethylbenzene	25.0	23.8		ug/L		95	77 - 123
Methylene Chloride	25.0	23.5		ug/L		94	75 - 124
Styrene	25.0	24.9		ug/L		100	80 - 120
Tetrachloroethene	25.0	24.6		ug/L		98	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	25.0		ug/L		100	80 - 120
Trichloroethene	25.0	23.5		ug/L		94	74 - 123
Vinyl chloride	25.0	25.0		ug/L		100	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: MB 480-344809/7
Matrix: Water
Analysis Batch: 344809

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/21/17 22:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/21/17 22:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/21/17 22:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/21/17 22:35	1

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

Lab Sample ID: MB 480-344809/7
Matrix: Water
Analysis Batch: 344809

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/21/17 22:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/21/17 22:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/21/17 22:35	1
2-Hexanone	ND		5.0	1.2	ug/L			02/21/17 22:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/21/17 22:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/21/17 22:35	1
Acetone	ND		10	3.0	ug/L			02/21/17 22:35	1
Benzene	ND		1.0	0.41	ug/L			02/21/17 22:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/21/17 22:35	1
Bromoform	ND		1.0	0.26	ug/L			02/21/17 22:35	1
Bromomethane	ND		1.0	0.69	ug/L			02/21/17 22:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/21/17 22:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/21/17 22:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/21/17 22:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/21/17 22:35	1
Chloroethane	ND		1.0	0.32	ug/L			02/21/17 22:35	1
Chloroform	ND		1.0	0.34	ug/L			02/21/17 22:35	1
Chloromethane	ND		1.0	0.35	ug/L			02/21/17 22:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/21/17 22:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/21/17 22:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/21/17 22:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/21/17 22:35	1
Styrene	ND		1.0	0.73	ug/L			02/21/17 22:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/21/17 22:35	1
Toluene	ND		1.0	0.51	ug/L			02/21/17 22:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/21/17 22:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/21/17 22:35	1
Trichloroethene	ND		1.0	0.46	ug/L			02/21/17 22:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/21/17 22:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/21/17 22:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*		*02/21/17 22:35*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/21/17 22:35*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/21/17 22:35*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/21/17 22:35*	*1*

Lab Sample ID: LCS 480-344809/5
Matrix: Water
Analysis Batch: 344809

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	23.0		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	76 - 120
1,1,2-Trichloroethane	25.0	23.9		ug/L		96	76 - 122
1,1-Dichloroethane	25.0	22.0		ug/L		88	77 - 120
1,1-Dichloroethene	25.0	22.3		ug/L		89	66 - 127
1,2-Dichloroethane	25.0	22.6		ug/L		90	75 - 120

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

Lab Sample ID: LCS 480-344809/5
Matrix: Water
Analysis Batch: 344809

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	25.0	21.3		ug/L		85	76 - 120
2-Hexanone	125	124		ug/L		99	65 - 127
2-Butanone (MEK)	125	120		ug/L		96	57 - 140
4-Methyl-2-pentanone (MIBK)	125	115		ug/L		92	71 - 125
Acetone	125	149		ug/L		119	56 - 142
Benzene	25.0	21.7		ug/L		87	71 - 124
Bromodichloromethane	25.0	24.6		ug/L		98	80 - 122
Bromoform	25.0	29.8		ug/L		119	61 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	21.2		ug/L		85	59 - 134
Carbon tetrachloride	25.0	25.1		ug/L		100	72 - 134
Chlorobenzene	25.0	23.9		ug/L		96	80 - 120
Dibromochloromethane	25.0	27.8		ug/L		111	75 - 125
Chloroethane	25.0	23.4		ug/L		94	69 - 136
Chloroform	25.0	22.3		ug/L		89	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	23.3		ug/L		93	74 - 124
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Methylene Chloride	25.0	23.0		ug/L		92	75 - 124
Styrene	25.0	24.8		ug/L		99	80 - 120
Tetrachloroethene	25.0	23.6		ug/L		94	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	22.4		ug/L		90	73 - 127
trans-1,3-Dichloropropene	25.0	24.4		ug/L		98	80 - 120
Trichloroethene	25.0	22.6		ug/L		90	74 - 123
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133
Xylenes, Total	50.0	48.1		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*77 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*96*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

GC/MS VOA

Analysis Batch: 344665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113693-1	PMW-3P-022017	Total/NA	Water	8260C	
480-113693-2	PMW-3S-022017	Total/NA	Water	8260C	
480-113693-3	OSMW-10P-022017	Total/NA	Water	8260C	
480-113693-4	OSMW-10S-022017	Total/NA	Water	8260C	
480-113693-5	AF-5P-022017	Total/NA	Water	8260C	
480-113693-6	AF-5S-022017	Total/NA	Water	8260C	
480-113693-7	TMW-1P-022017	Total/NA	Water	8260C	
480-113693-9	AF-4P-022017	Total/NA	Water	8260C	
480-113693-10	AF-4S-022017	Total/NA	Water	8260C	
480-113693-11	AF-6S-022017	Total/NA	Water	8260C	
480-113693-12	AF-25P-022017	Total/NA	Water	8260C	
480-113693-13	AF-19S-022017	Total/NA	Water	8260C	
480-113693-14	TMW-2S-022017	Total/NA	Water	8260C	
480-113693-15	AF-9S-022017	Total/NA	Water	8260C	
480-113693-16	TB-01-022017	Total/NA	Water	8260C	
MB 480-344665/7	Method Blank	Total/NA	Water	8260C	
LCS 480-344665/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 344809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113693-8	TMW-1S-022017	Total/NA	Water	8260C	
480-113693-9 - DL	AF-4P-022017	Total/NA	Water	8260C	
MB 480-344809/7	Method Blank	Total/NA	Water	8260C	
LCS 480-344809/5	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: PMW-3P-022017 — Lab Sample ID: 480-113693-1

Date Collected: 02/20/17 10:32 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	344665	02/21/17 13:51	RRS	TAL BUF

Client Sample ID: PMW-3S-022017 — Lab Sample ID: 480-113693-2

Date Collected: 02/20/17 10:37 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 14:14	RRS	TAL BUF

Client Sample ID: OSMW-10P-022017 — Lab Sample ID: 480-113693-3

Date Collected: 02/20/17 11:00 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 14:38	RRS	TAL BUF

Client Sample ID: OSMW-10S-022017 — Lab Sample ID: 480-113693-4

Date Collected: 02/20/17 11:10 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 15:02	RRS	TAL BUF

Client Sample ID: AF-5P-022017 — Lab Sample ID: 480-113693-5

Date Collected: 02/20/17 11:27 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 15:25	RRS	TAL BUF

Client Sample ID: AF-5S-022017 — Lab Sample ID: 480-113693-6

Date Collected: 02/20/17 11:35 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 15:49	RRS	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: TMW-1P-022017 — Lab Sample ID: 480-113693-7

Date Collected: 02/20/17 11:54 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	344665	02/21/17 16:13	RRS	TAL BUF

Client Sample ID: TMW-1S-022017 — Lab Sample ID: 480-113693-8

Date Collected: 02/20/17 12:10 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	344809	02/21/17 23:32	GTG	TAL BUF

Client Sample ID: AF-4P-022017 — Lab Sample ID: 480-113693-9

Date Collected: 02/20/17 12:37 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 17:00	RRS	TAL BUF
Total/NA	Analysis	8260C	DL	2	344809	02/21/17 23:56	GTG	TAL BUF

Client Sample ID: AF-4S-022017 — Lab Sample ID: 480-113693-10

Date Collected: 02/20/17 12:45 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 17:24	RRS	TAL BUF

Client Sample ID: AF-6S-022017 — Lab Sample ID: 480-113693-11

Date Collected: 02/20/17 13:02 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 17:48	RRS	TAL BUF

Client Sample ID: AF-25P-022017 — Lab Sample ID: 480-113693-12

Date Collected: 02/20/17 14:05 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	344665	02/21/17 18:11	RRS	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Client Sample ID: AF-19S-022017 — Lab Sample ID: 480-113693-13

Date Collected: 02/20/17 14:15 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 18:35	RRS	TAL BUF

Client Sample ID: TMW-2S-022017 — Lab Sample ID: 480-113693-14

Date Collected: 02/20/17 14:25 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 18:58	RRS	TAL BUF

Client Sample ID: AF-9S-022017 — Lab Sample ID: 480-113693-15

Date Collected: 02/20/17 14:45 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 19:22	RRS	TAL BUF

Client Sample ID: TB-01-022017 — Lab Sample ID: 480-113693-16

Date Collected: 02/20/17 00:00 — **Matrix: Water**
Date Received: 02/21/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344665	02/21/17 13:27	RRS	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113693-1
SDG: 480-113693-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-113693-1	PMW-3P-022017	Water	02/20/17 10:32	02/21/17 09:30
480-113693-2	PMW-3S-022017	Water	02/20/17 10:37	02/21/17 09:30
480-113693-3	OSMW-10P-022017	Water	02/20/17 11:00	02/21/17 09:30
480-113693-4	OSMW-10S-022017	Water	02/20/17 11:10	02/21/17 09:30
480-113693-5	AF-5P-022017	Water	02/20/17 11:27	02/21/17 09:30
480-113693-6	AF-5S-022017	Water	02/20/17 11:35	02/21/17 09:30
480-113693-7	TMW-1P-022017	Water	02/20/17 11:54	02/21/17 09:30
480-113693-8	TMW-1S-022017	Water	02/20/17 12:10	02/21/17 09:30
480-113693-9	AF-4P-022017	Water	02/20/17 12:37	02/21/17 09:30
480-113693-10	AF-4S-022017	Water	02/20/17 12:45	02/21/17 09:30
480-113693-11	AF-6S-022017	Water	02/20/17 13:02	02/21/17 09:30
480-113693-12	AF-25P-022017	Water	02/20/17 14:05	02/21/17 09:30
480-113693-13	AF-19S-022017	Water	02/20/17 14:15	02/21/17 09:30
480-113693-14	TMW-2S-022017	Water	02/20/17 14:25	02/21/17 09:30
480-113693-15	AF-9S-022017	Water	02/20/17 14:45	02/21/17 09:30
480-113693-16	TB-01-022017	Water	02/20/17 00:00	02/21/17 09:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

CINCINNATI
Chain of Custody Record
210501

Ref:
Dep:

Date: 20Feb17
Wgt: 35.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: STANDARD OVERNIGHT
TRCK: 7003 1339 3816

210501

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S	480-93341-19575.1
Client Contact: Chase Forman	Phone: (513) 697-2025	E-Mail: orlette.johnson@testamericainc.com	Page: Page 1 of ~~8~~ 2 (TD)
Company: O'Brien & Gere Inc of North America			Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: 14 days		
City: Cincinnati	TAT Requested (days): Standard		
State, Zip: OH, 45249			
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11700083		
Email: chase.forman@obg.com	WO #: ~~62574.100.130~~ 64852.100.130		
Project Name: GE - Evendale, OH site	Project #: 48003453		
Site: Ohio	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCS TCL - OLM04.2 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
PMW-3P-022017	2/20/17	1032	G	Water			X		
PMW-3S-022017		1037		Water					
OSMW-10P-022017		1100		Water					
OSMW-10S-022017		1110		Water					
AF-5P-022017		1127		Water					
AF-5S-022017		1135		Water					
TMW-1P-022017		1154		Water					
TMW-1S-022017		1210		Water					
AF-4P-022017		1237		Water					
AF-4S-022017		1245		Water					
AF-6S-022017		1302		Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Level III Data Pkg. Analysis per QAPP

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Terra Dalton	2/20/17 1531	OBG	[signature]	2/20/17 1531	TAI
[signature]	2/20/17 1531		[signature]	2/21/17 0930	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.0 #4

2/28/2017

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

CINCINNATI
210501

TestAm THE LEADER IN ENVIRO

480-113693 COC

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s): 7005.1339 3816	COC No: 480-93341-19575.2
Client Contact: Chase Forman	Phone: (513) 697-2025	E-Mail: orlette.johnson@testamericainc.com		Page: Page 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: 14 days			
City: Cincinnati	TAT Requested (days): Standard			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11700083			
Email: chase.forman@obg.com	WO #: ~~62574.100.130~~ 64852.100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCS TCL - OLM04.2 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AF-25P-022017	2/20/17	1405	G	Water			X		
AF-19S-022017	↓	1415	↓	Water			X		
TMW-2S-022017	↓	1425	↓	Water			X		
AF-9S-022017	↓	1445	↓	Water			X		
TB-01-022017	↓	/	↓	Water			X		*QC sample*
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Level III Data Pkg. Analysis per QAPP

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:		
Relinquished by: Terra Dalton	Date/Time: 2/20/17 1531	Company: OBG	Received by: [signature]	Date/Time: 2/20/17 1531	Company: TAI
Relinquished by: [signature]	Date/Time: 2/20/17 1531	Company	Received by: [signature]	Date/Time: 2/21/17 0930	Company: [signature]
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2 OR 4

2/28/2017

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-113693-1
SDG Number: 480-113693-1

Login Number: 113693
List Number: 1
Creator: Wallace, Cameron

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-113751-1
TestAmerica Sample Delivery Group: 480-113751-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
2/27/2017 4:50:20 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-113751-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-113751-1

Receipt
The samples were received on 2/22/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OSMW-1S-022117 (480-113751-9), OSMW-11S-022117 (480-113751-12) and OSMW-11D-022117 (480-113751-13). Elevated reporting limits (RLs) are provided.

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: AF-13P-022117 — Lab Sample ID: 480-113751-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.7	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	14		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-13S-022117 — Lab Sample ID: 480-113751-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.2	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	10		1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11S-022117 — Lab Sample ID: 480-113751-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.3	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	13		10	3.0	ug/L	1		8260C	Total/NA
Vinyl chloride	2.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11D-022117 — Lab Sample ID: 480-113751-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.82	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4S-022117 — Lab Sample ID: 480-113751-5

No Detections.

Client Sample ID: OSMW-4D-022117 — Lab Sample ID: 480-113751-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.54	J	1.0	0.38	ug/L	1		8260C	Total/NA
Vinyl chloride	1.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-4D-022117 — Lab Sample ID: 480-113751-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1P-022117 — Lab Sample ID: 480-113751-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.3		1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1S-022117 — Lab Sample ID: 480-113751-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	720		20	16	ug/L	20		8260C	Total/NA
Methylene Chloride	9.0	J	20	8.8	ug/L	20		8260C	Total/NA
Vinyl chloride	660		20	18	ug/L	20		8260C	Total/NA

Client Sample ID: OSMW-1D-022117 — Lab Sample ID: 480-113751-10

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-1D-022117 (Continued) — Lab Sample ID: 480-113751-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.6		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.3		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.5		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11P-022117 — Lab Sample ID: 480-113751-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.51	J	1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	5.1	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	14		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11S-022117 — Lab Sample ID: 480-113751-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	22		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	1.5	J	4.0	1.2	ug/L	4		8260C	Total/NA
Acetone	16	J	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	160		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	57		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-11D-022117 — Lab Sample ID: 480-113751-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	19		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	1.4	J	4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	130		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	21		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.9	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: OSMW-12P-022117 — Lab Sample ID: 480-113751-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.7		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	2.3		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	7.4	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	16		10	3.0	ug/L	1		8260C	Total/NA
Trichloroethene	3.1		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-13P-022117 — Lab Sample ID: 480-113751-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.7		1.0	0.38	ug/L	1		8260C	Total/NA
Acetone	15		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-9D-022117 — Lab Sample ID: 480-113751-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	12		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-9SR-022117 — Lab Sample ID: 480-113751-17

No Detections.

Client Sample ID: DUP-01-022117 — Lab Sample ID: 480-113751-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.83	J	1.0	0.81	ug/L	1		8260C	Total/NA

Client Sample ID: TB-022117 — Lab Sample ID: 480-113751-19

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: AF-13P-022117

Lab Sample ID: 480-113751-1

Date Collected: 02/21/17 09:57
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 01:29	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 01:29	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 01:29	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 01:29	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 01:29	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 01:29	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 01:29	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 01:29	1
2-Butanone (MEK)	**6.7**	**J**	10	1.3	ug/L			02/23/17 01:29	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 01:29	1
Acetone	**14**		10	3.0	ug/L			02/23/17 01:29	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 01:29	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 01:29	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 01:29	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 01:29	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 01:29	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 01:29	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 01:29	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 01:29	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 01:29	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 01:29	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 01:29	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 01:29	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 01:29	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 01:29	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 01:29	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 01:29	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 01:29	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 01:29	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 01:29	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 01:29	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 01:29	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 01:29	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/23/17 01:29*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/23/17 01:29*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/23/17 01:29*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/23/17 01:29*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: AF-13S-022117

Lab Sample ID: 480-113751-2

Date Collected: 02/21/17 10:03
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 01:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 01:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 01:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 01:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 01:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 01:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 01:52	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 01:52	1
2-Butanone (MEK)	**6.2**	**J**	10	1.3	ug/L			02/23/17 01:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 01:52	1
Acetone	**13**		10	3.0	ug/L			02/23/17 01:52	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 01:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 01:52	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 01:52	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 01:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 01:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 01:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 01:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 01:52	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 01:52	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 01:52	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 01:52	1
cis-1,2-Dichloroethene	**10**		1.0	0.81	ug/L			02/23/17 01:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 01:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 01:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 01:52	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 01:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 01:52	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 01:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 01:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 01:52	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 01:52	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 01:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*77 - 120*		*02/23/17 01:52*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/23/17 01:52*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/23/17 01:52*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/23/17 01:52*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: AF-11S-022117

Lab Sample ID: 480-113751-3

Date Collected: 02/21/17 11:08
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 02:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 02:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 02:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 02:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 02:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 02:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 02:16	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 02:16	1
2-Butanone (MEK)	**6.3**	**J**	10	1.3	ug/L			02/23/17 02:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 02:16	1
Acetone	**13**		10	3.0	ug/L			02/23/17 02:16	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 02:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 02:16	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 02:16	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 02:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 02:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 02:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 02:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 02:16	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 02:16	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 02:16	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 02:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 02:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 02:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 02:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 02:16	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 02:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 02:16	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 02:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 02:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 02:16	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 02:16	1
Vinyl chloride	**2.3**		1.0	0.90	ug/L			02/23/17 02:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*		*02/23/17 02:16*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 02:16*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/23/17 02:16*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 02:16*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: AF-11D-022117

Lab Sample ID: 480-113751-4

Date Collected: 02/21/17 11:15
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 02:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 02:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 02:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 02:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 02:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 02:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 02:39	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 02:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 02:39	1
Acetone	ND		10	3.0	ug/L			02/23/17 02:39	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 02:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 02:39	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 02:39	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 02:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 02:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 02:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 02:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 02:39	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 02:39	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 02:39	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 02:39	1
cis-1,2-Dichloroethene	**0.82**	**J**	1.0	0.81	ug/L			02/23/17 02:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 02:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 02:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 02:39	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 02:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 02:39	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 02:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 02:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 02:39	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 02:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 02:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/23/17 02:39*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/23/17 02:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/23/17 02:39*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 02:39*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-4S-022117

Lab Sample ID: 480-113751-5

Date Collected: 02/21/17 12:40
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 03:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 03:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 03:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 03:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 03:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 03:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 03:02	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 03:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 03:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 03:02	1
Acetone	ND		10	3.0	ug/L			02/23/17 03:02	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 03:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 03:02	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 03:02	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 03:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 03:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 03:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 03:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 03:02	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 03:02	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 03:02	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 03:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 03:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 03:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 03:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 03:02	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 03:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 03:02	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 03:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 03:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 03:02	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 03:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 03:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 03:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/23/17 03:02*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*02/23/17 03:02*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/23/17 03:02*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/23/17 03:02*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-4D-022117

Lab Sample ID: 480-113751-6

Date Collected: 02/21/17 12:45
Date Received: 02/22/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 03:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 03:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 03:25	1
1,1-Dichloroethane	**0.54**	**J**	1.0	0.38	ug/L			02/23/17 03:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 03:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 03:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 03:25	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 03:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 03:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 03:25	1
Acetone	ND		10	3.0	ug/L			02/23/17 03:25	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 03:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 03:25	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 03:25	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 03:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 03:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 03:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 03:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 03:25	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 03:25	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 03:25	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 03:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 03:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 03:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 03:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 03:25	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 03:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 03:25	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 03:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 03:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 03:25	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 03:25	1
Vinyl chloride	**1.7**		1.0	0.90	ug/L			02/23/17 03:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 03:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*02/23/17 03:25*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 03:25*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/23/17 03:25*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 03:25*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: PMW-4D-022117

Lab Sample ID: 480-113751-7

Date Collected: 02/21/17 10:39
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 03:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 03:48	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 03:48	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 03:48	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 03:48	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 03:48	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 03:48	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 03:48	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 03:48	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 03:48	1
Acetone	ND		10	3.0	ug/L			02/23/17 03:48	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 03:48	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 03:48	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 03:48	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 03:48	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 03:48	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 03:48	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 03:48	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 03:48	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 03:48	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 03:48	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 03:48	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 03:48	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 03:48	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 03:48	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 03:48	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 03:48	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 03:48	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 03:48	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 03:48	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 03:48	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 03:48	1
Vinyl chloride	**2.8**		1.0	0.90	ug/L			02/23/17 03:48	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/23/17 03:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/23/17 03:48*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/23/17 03:48*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/23/17 03:48*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-1P-022117

Lab Sample ID: 480-113751-8

Date Collected: 02/21/17 13:25
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 04:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 04:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 04:11	1
1,1-Dichloroethane	**2.3**		1.0	0.38	ug/L			02/23/17 04:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 04:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 04:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 04:11	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 04:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 04:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 04:11	1
Acetone	ND		10	3.0	ug/L			02/23/17 04:11	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 04:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 04:11	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 04:11	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 04:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 04:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 04:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 04:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 04:11	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 04:11	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 04:11	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 04:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 04:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 04:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 04:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 04:11	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 04:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 04:11	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 04:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 04:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 04:11	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 04:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 04:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 04:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/23/17 04:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/23/17 04:11*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/23/17 04:11*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 04:11*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-1S-022117

Lab Sample ID: 480-113751-9

Date Collected: 02/21/17 13:36
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		20	16	ug/L			02/23/17 04:34	20
1,1,2,2-Tetrachloroethane	ND		20	4.2	ug/L			02/23/17 04:34	20
1,1,2-Trichloroethane	ND		20	4.6	ug/L			02/23/17 04:34	20
1,1-Dichloroethane	ND		20	7.6	ug/L			02/23/17 04:34	20
1,1-Dichloroethene	ND		20	5.8	ug/L			02/23/17 04:34	20
1,2-Dichloroethane	ND		20	4.2	ug/L			02/23/17 04:34	20
1,2-Dichloropropane	ND		20	14	ug/L			02/23/17 04:34	20
2-Hexanone	ND		100	25	ug/L			02/23/17 04:34	20
2-Butanone (MEK)	ND		200	26	ug/L			02/23/17 04:34	20
4-Methyl-2-pentanone (MIBK)	ND		100	42	ug/L			02/23/17 04:34	20
Acetone	ND		200	60	ug/L			02/23/17 04:34	20
Benzene	ND		20	8.2	ug/L			02/23/17 04:34	20
Bromodichloromethane	ND		20	7.8	ug/L			02/23/17 04:34	20
Bromoform	ND		20	5.2	ug/L			02/23/17 04:34	20
Bromomethane	ND		20	14	ug/L			02/23/17 04:34	20
Carbon disulfide	ND		20	3.8	ug/L			02/23/17 04:34	20
Carbon tetrachloride	ND		20	5.4	ug/L			02/23/17 04:34	20
Chlorobenzene	ND		20	15	ug/L			02/23/17 04:34	20
Dibromochloromethane	ND		20	6.4	ug/L			02/23/17 04:34	20
Chloroethane	ND		20	6.4	ug/L			02/23/17 04:34	20
Chloroform	ND		20	6.8	ug/L			02/23/17 04:34	20
Chloromethane	ND		20	7.0	ug/L			02/23/17 04:34	20
cis-1,2-Dichloroethene	**720**		20	16	ug/L			02/23/17 04:34	20
cis-1,3-Dichloropropene	ND		20	7.2	ug/L			02/23/17 04:34	20
Ethylbenzene	ND		20	15	ug/L			02/23/17 04:34	20
Methylene Chloride	**9.0**	**J**	20	8.8	ug/L			02/23/17 04:34	20
Styrene	ND		20	15	ug/L			02/23/17 04:34	20
Tetrachloroethene	ND		20	7.2	ug/L			02/23/17 04:34	20
Toluene	ND		20	10	ug/L			02/23/17 04:34	20
trans-1,2-Dichloroethene	ND		20	18	ug/L			02/23/17 04:34	20
trans-1,3-Dichloropropene	ND		20	7.4	ug/L			02/23/17 04:34	20
Trichloroethene	ND		20	9.2	ug/L			02/23/17 04:34	20
Vinyl chloride	**660**		20	18	ug/L			02/23/17 04:34	20
Xylenes, Total	ND		40	13	ug/L			02/23/17 04:34	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/23/17 04:34*	*20*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 04:34*	*20*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/23/17 04:34*	*20*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 04:34*	*20*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-1D-022117

Lab Sample ID: 480-113751-10

Date Collected: 02/21/17 13:41
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 04:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 04:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 04:57	1
1,1-Dichloroethane	**1.6**		1.0	0.38	ug/L			02/23/17 04:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 04:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 04:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 04:57	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 04:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 04:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 04:57	1
Acetone	ND		10	3.0	ug/L			02/23/17 04:57	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 04:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 04:57	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 04:57	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 04:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 04:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 04:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 04:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 04:57	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 04:57	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 04:57	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 04:57	1
cis-1,2-Dichloroethene	**1.3**		1.0	0.81	ug/L			02/23/17 04:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 04:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 04:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 04:57	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 04:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 04:57	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 04:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 04:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 04:57	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 04:57	1
Vinyl chloride	**8.5**		1.0	0.90	ug/L			02/23/17 04:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 04:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/23/17 04:57*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 04:57*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/23/17 04:57*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 04:57*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-11P-022117

Lab Sample ID: 480-113751-11

Date Collected: 02/21/17 14:12
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 05:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 05:21	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 05:21	1
1,1-Dichloroethane	**0.51**	**J**	1.0	0.38	ug/L			02/23/17 05:21	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 05:21	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 05:21	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 05:21	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 05:21	1
2-Butanone (MEK)	**5.1**	**J**	10	1.3	ug/L			02/23/17 05:21	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 05:21	1
Acetone	**14**		10	3.0	ug/L			02/23/17 05:21	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 05:21	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 05:21	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 05:21	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 05:21	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 05:21	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 05:21	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 05:21	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 05:21	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 05:21	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 05:21	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 05:21	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 05:21	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 05:21	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 05:21	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 05:21	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 05:21	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 05:21	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 05:21	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 05:21	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 05:21	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 05:21	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 05:21	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/23/17 05:21*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*02/23/17 05:21*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/23/17 05:21*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/23/17 05:21*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-11S-022117

Lab Sample ID: 480-113751-12

Date Collected: 02/21/17 14:25
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/23/17 05:44	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/23/17 05:44	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/23/17 05:44	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			02/23/17 05:44	4
1,1-Dichloroethene	**1.5**	**J**	4.0	1.2	ug/L			02/23/17 05:44	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/23/17 05:44	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/23/17 05:44	4
2-Hexanone	ND		20	5.0	ug/L			02/23/17 05:44	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/23/17 05:44	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/23/17 05:44	4
Acetone	**16**	**J**	40	12	ug/L			02/23/17 05:44	4
Benzene	ND		4.0	1.6	ug/L			02/23/17 05:44	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/23/17 05:44	4
Bromoform	ND		4.0	1.0	ug/L			02/23/17 05:44	4
Bromomethane	ND		4.0	2.8	ug/L			02/23/17 05:44	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/23/17 05:44	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/23/17 05:44	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/23/17 05:44	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/23/17 05:44	4
Chloroethane	ND		4.0	1.3	ug/L			02/23/17 05:44	4
Chloroform	ND		4.0	1.4	ug/L			02/23/17 05:44	4
Chloromethane	ND		4.0	1.4	ug/L			02/23/17 05:44	4
cis-1,2-Dichloroethene	**160**		4.0	3.2	ug/L			02/23/17 05:44	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/23/17 05:44	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/23/17 05:44	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/23/17 05:44	4
Styrene	ND		4.0	2.9	ug/L			02/23/17 05:44	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/23/17 05:44	4
Toluene	ND		4.0	2.0	ug/L			02/23/17 05:44	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/23/17 05:44	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/23/17 05:44	4
Trichloroethene	**57**		4.0	1.8	ug/L			02/23/17 05:44	4
Vinyl chloride	ND		4.0	3.6	ug/L			02/23/17 05:44	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/23/17 05:44	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*02/23/17 05:44*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 05:44*	*4*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*02/23/17 05:44*	*4*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/23/17 05:44*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-11D-022117

Lab Sample ID: 480-113751-13

Date Collected: 02/21/17 14:18
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/23/17 06:07	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/23/17 06:07	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/23/17 06:07	4
1,1-Dichloroethane	**19**		4.0	1.5	ug/L			02/23/17 06:07	4
1,1-Dichloroethene	**1.4**	**J**	4.0	1.2	ug/L			02/23/17 06:07	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/23/17 06:07	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/23/17 06:07	4
2-Hexanone	ND		20	5.0	ug/L			02/23/17 06:07	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/23/17 06:07	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/23/17 06:07	4
Acetone	ND		40	12	ug/L			02/23/17 06:07	4
Benzene	ND		4.0	1.6	ug/L			02/23/17 06:07	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/23/17 06:07	4
Bromoform	ND		4.0	1.0	ug/L			02/23/17 06:07	4
Bromomethane	ND		4.0	2.8	ug/L			02/23/17 06:07	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/23/17 06:07	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/23/17 06:07	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/23/17 06:07	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/23/17 06:07	4
Chloroethane	ND		4.0	1.3	ug/L			02/23/17 06:07	4
Chloroform	ND		4.0	1.4	ug/L			02/23/17 06:07	4
Chloromethane	ND		4.0	1.4	ug/L			02/23/17 06:07	4
cis-1,2-Dichloroethene	**130**		4.0	3.2	ug/L			02/23/17 06:07	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/23/17 06:07	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/23/17 06:07	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/23/17 06:07	4
Styrene	ND		4.0	2.9	ug/L			02/23/17 06:07	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/23/17 06:07	4
Toluene	ND		4.0	2.0	ug/L			02/23/17 06:07	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/23/17 06:07	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/23/17 06:07	4
Trichloroethene	**21**		4.0	1.8	ug/L			02/23/17 06:07	4
Vinyl chloride	**3.9**	**J**	4.0	3.6	ug/L			02/23/17 06:07	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/23/17 06:07	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/23/17 06:07*	*4*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 06:07*	*4*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/23/17 06:07*	*4*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/23/17 06:07*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-12P-022117

Lab Sample ID: 480-113751-14

Date Collected: 02/21/17 13:59
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.7**		1.0	0.82	ug/L			02/23/17 06:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 06:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 06:30	1
1,1-Dichloroethane	**2.3**		1.0	0.38	ug/L			02/23/17 06:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 06:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 06:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 06:30	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 06:30	1
2-Butanone (MEK)	**7.4**	**J**	10	1.3	ug/L			02/23/17 06:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 06:30	1
Acetone	**16**		10	3.0	ug/L			02/23/17 06:30	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 06:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 06:30	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 06:30	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 06:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 06:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 06:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 06:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 06:30	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 06:30	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 06:30	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 06:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 06:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 06:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 06:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 06:30	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 06:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 06:30	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 06:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 06:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 06:30	1
Trichloroethene	**3.1**		1.0	0.46	ug/L			02/23/17 06:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 06:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 06:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/23/17 06:30*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/23/17 06:30*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/23/17 06:30*	*1*
Dibromofluoromethane (Surr)	*98*		*75 - 123*		*02/23/17 06:30*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-13P-022117

Lab Sample ID: 480-113751-15

Date Collected: 02/21/17 14:42
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 06:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 06:53	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 06:53	1
1,1-Dichloroethane	**2.7**		1.0	0.38	ug/L			02/23/17 06:53	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 06:53	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 06:53	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 06:53	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 06:53	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 06:53	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 06:53	1
Acetone	**15**		10	3.0	ug/L			02/23/17 06:53	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 06:53	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 06:53	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 06:53	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 06:53	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 06:53	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 06:53	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 06:53	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 06:53	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 06:53	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 06:53	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 06:53	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 06:53	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 06:53	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 06:53	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 06:53	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 06:53	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 06:53	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 06:53	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 06:53	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 06:53	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 06:53	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 06:53	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 06:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/23/17 06:53*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 06:53*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/23/17 06:53*	*1*
Dibromofluoromethane (Surr)	*99*		*75 - 123*		*02/23/17 06:53*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-9D-022117

Lab Sample ID: 480-113751-16

Date Collected: 02/21/17 15:07
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 07:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 07:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 07:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 07:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 07:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 07:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 07:16	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 07:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 07:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 07:16	1
Acetone	ND		10	3.0	ug/L			02/23/17 07:16	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 07:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 07:16	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 07:16	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 07:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 07:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 07:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 07:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 07:16	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 07:16	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 07:16	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 07:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 07:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 07:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 07:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 07:16	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 07:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 07:16	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 07:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 07:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 07:16	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 07:16	1
Vinyl chloride	**12**		1.0	0.90	ug/L			02/23/17 07:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*02/23/17 07:16*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/23/17 07:16*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/23/17 07:16*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/23/17 07:16*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-9SR-022117

Lab Sample ID: 480-113751-17

Date Collected: 02/21/17 15:17
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 15:16	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 15:16	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 15:16	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 15:16	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 15:16	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 15:16	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 15:16	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 15:16	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 15:16	1
Acetone	ND		10	3.0	ug/L			02/23/17 15:16	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 15:16	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 15:16	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 15:16	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 15:16	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 15:16	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 15:16	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 15:16	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 15:16	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 15:16	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 15:16	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 15:16	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 15:16	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 15:16	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 15:16	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 15:16	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 15:16	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 15:16	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 15:16	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 15:16	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 15:16	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/23/17 15:16*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/23/17 15:16*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*02/23/17 15:16*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/23/17 15:16*	*1*

Client Sample ID: DUP-01-022117

Lab Sample ID: 480-113751-18

Date Collected: 02/21/17 12:00

Matrix: Water

Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 20:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 20:47	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 20:47	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 20:47	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 20:47	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 20:47	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 20:47	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 20:47	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 20:47	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 20:47	1
Acetone	ND		10	3.0	ug/L			02/23/17 20:47	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 20:47	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 20:47	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 20:47	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 20:47	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 20:47	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 20:47	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 20:47	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 20:47	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 20:47	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 20:47	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 20:47	1
cis-1,2-Dichloroethene	**0.83**	**J**	1.0	0.81	ug/L			02/23/17 20:47	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 20:47	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 20:47	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 20:47	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 20:47	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 20:47	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 20:47	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 20:47	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 20:47	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 20:47	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 20:47	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 20:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/23/17 20:47*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/23/17 20:47*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/23/17 20:47*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/23/17 20:47*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: TB-022117

Lab Sample ID: 480-113751-19

Date Collected: 02/21/17 00:00
Matrix: Water
Date Received: 02/22/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 16:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 16:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 16:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 16:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 16:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 16:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 16:02	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 16:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 16:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 16:02	1
Acetone	ND		10	3.0	ug/L			02/23/17 16:02	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 16:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 16:02	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 16:02	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 16:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 16:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 16:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 16:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 16:02	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 16:02	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 16:02	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 16:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 16:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 16:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 16:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 16:02	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 16:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 16:02	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 16:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 16:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 16:02	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 16:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 16:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 16:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*02/23/17 16:02*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*02/23/17 16:02*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*02/23/17 16:02*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/23/17 16:02*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-113751-1	AF-13P-022117	101	96	99	98
480-113751-2	AF-13S-022117	98	96	99	98
480-113751-3	AF-11S-022117	105	97	102	100
480-113751-4	AF-11D-022117	103	96	99	100
480-113751-4 MS	AF-11D-022117	102	97	100	100
480-113751-4 MSD	AF-11D-022117	103	97	101	102
480-113751-5	OSMW-4S-022117	103	96	103	99
480-113751-6	OSMW-4D-022117	100	97	100	100
480-113751-7	PMW-4D-022117	101	100	102	98
480-113751-8	OSMW-1P-022117	102	99	101	100
480-113751-9	OSMW-1S-022117	102	97	101	100
480-113751-10	OSMW-1D-022117	101	97	102	100
480-113751-11	OSMW-11P-022117	101	95	100	98
480-113751-12	OSMW-11S-022117	100	97	99	98
480-113751-13	OSMW-11D-022117	101	97	101	102
480-113751-14	OSMW-12P-022117	101	99	101	98
480-113751-15	OSMW-13P-022117	102	97	98	99
480-113751-16	OSMW-9D-022117	103	97	98	100
480-113751-17	OSMW-9SR-022117	110	104	105	108
480-113751-18	DUP-01-022117	110	102	103	106
480-113751-19	TB-022117	108	104	106	107
LCS 480-344990/4	Lab Control Sample	100	98	100	98
LCS 480-345053/5	Lab Control Sample	108	104	107	106
LCS 480-345169/4	Lab Control Sample	107	102	103	107
MB 480-344990/6	Method Blank	101	97	101	100
MB 480-345053/7	Method Blank	102	103	106	102
MB 480-345169/6	Method Blank	110	102	104	104

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-344990/6
Matrix: Water
Analysis Batch: 344990

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/22/17 22:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/22/17 22:39	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/22/17 22:39	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/22/17 22:39	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/22/17 22:39	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/22/17 22:39	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/22/17 22:39	1
2-Hexanone	ND		5.0	1.2	ug/L			02/22/17 22:39	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/22/17 22:39	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/22/17 22:39	1
Acetone	ND		10	3.0	ug/L			02/22/17 22:39	1
Benzene	ND		1.0	0.41	ug/L			02/22/17 22:39	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/22/17 22:39	1
Bromoform	ND		1.0	0.26	ug/L			02/22/17 22:39	1
Bromomethane	ND		1.0	0.69	ug/L			02/22/17 22:39	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/22/17 22:39	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/22/17 22:39	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/22/17 22:39	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/22/17 22:39	1
Chloroethane	ND		1.0	0.32	ug/L			02/22/17 22:39	1
Chloroform	ND		1.0	0.34	ug/L			02/22/17 22:39	1
Chloromethane	ND		1.0	0.35	ug/L			02/22/17 22:39	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/22/17 22:39	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/22/17 22:39	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/22/17 22:39	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/22/17 22:39	1
Styrene	ND		1.0	0.73	ug/L			02/22/17 22:39	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/22/17 22:39	1
Toluene	ND		1.0	0.51	ug/L			02/22/17 22:39	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/22/17 22:39	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/22/17 22:39	1
Trichloroethene	ND		1.0	0.46	ug/L			02/22/17 22:39	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/22/17 22:39	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/22/17 22:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*		*02/22/17 22:39*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*02/22/17 22:39*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/22/17 22:39*	*1*
Dibromofluoromethane (Surr)	*100*		*75 - 123*		*02/22/17 22:39*	*1*

Lab Sample ID: LCS 480-344990/4
Matrix: Water
Analysis Batch: 344990

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.1		ug/L		100	73 - 126
1,1,2,2-Tetrachloroethane	25.0	26.4		ug/L		105	76 - 120

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

Lab Sample ID: LCS 480-344990/4
Matrix: Water
Analysis Batch: 344990

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	25.4		ug/L		102	76 - 122
1,1-Dichloroethane	25.0	23.4		ug/L		93	77 - 120
1,1-Dichloroethene	25.0	25.5		ug/L		102	66 - 127
1,2-Dichloroethane	25.0	23.4		ug/L		93	75 - 120
1,2-Dichloropropane	25.0	23.1		ug/L		93	76 - 120
2-Hexanone	125	131		ug/L		105	65 - 127
2-Butanone (MEK)	125	126		ug/L		101	57 - 140
4-Methyl-2-pentanone (MIBK)	125	126		ug/L		101	71 - 125
Acetone	125	118		ug/L		95	56 - 142
Benzene	25.0	23.9		ug/L		96	71 - 124
Bromodichloromethane	25.0	24.0		ug/L		96	80 - 122
Bromoform	25.0	27.8		ug/L		111	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	25.3		ug/L		101	59 - 134
Carbon tetrachloride	25.0	24.6		ug/L		98	72 - 134
Chlorobenzene	25.0	23.5		ug/L		94	80 - 120
Dibromochloromethane	25.0	26.6		ug/L		106	75 - 125
Chloroethane	25.0	22.9		ug/L		92	69 - 136
Chloroform	25.0	23.1		ug/L		92	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	24.2		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.8		ug/L		103	74 - 124
Ethylbenzene	25.0	24.1		ug/L		96	77 - 123
Methylene Chloride	25.0	25.8		ug/L		103	75 - 124
Styrene	25.0	25.4		ug/L		102	80 - 120
Tetrachloroethene	25.0	25.4		ug/L		102	74 - 122
Toluene	25.0	24.6		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.1		ug/L		101	80 - 120
Trichloroethene	25.0	23.8		ug/L		95	74 - 123
Vinyl chloride	25.0	23.9		ug/L		96	65 - 133
Xylenes, Total	50.0	48.3		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*75 - 123*

Lab Sample ID: 480-113751-4 MS
Matrix: Water
Analysis Batch: 344990

Client Sample ID: AF-11D-022117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	28.7		ug/L		115	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.8		ug/L		111	76 - 120
1,1,2-Trichloroethane	ND		25.0	26.1		ug/L		104	76 - 122
1,1-Dichloroethane	ND		25.0	26.4		ug/L		106	77 - 120

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

Lab Sample ID: 480-113751-4 MS
Matrix: Water
Analysis Batch: 344990

Client Sample ID: AF-11D-022117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		25.0	29.8		ug/L		119	66 - 127
1,2-Dichloroethane	ND		25.0	25.6		ug/L		102	75 - 120
1,2-Dichloropropane	ND		25.0	24.7		ug/L		99	76 - 120
2-Hexanone	ND		125	135		ug/L		108	65 - 127
2-Butanone (MEK)	ND		125	133		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	133		ug/L		106	71 - 125
Acetone	ND		125	119		ug/L		95	56 - 142
Benzene	ND		25.0	26.7		ug/L		107	71 - 124
Bromodichloromethane	ND		25.0	26.1		ug/L		105	80 - 122
Bromoform	ND		25.0	28.5		ug/L		114	61 - 132
Bromomethane	ND		25.0	26.0		ug/L		104	55 - 144
Carbon disulfide	ND		25.0	27.2		ug/L		109	59 - 134
Carbon tetrachloride	ND		25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	ND		25.0	25.2		ug/L		101	80 - 120
Dibromochloromethane	ND		25.0	27.0		ug/L		108	75 - 125
Chloroethane	ND		25.0	26.5		ug/L		106	69 - 136
Chloroform	ND		25.0	25.4		ug/L		101	73 - 127
Chloromethane	ND		25.0	25.7		ug/L		103	68 - 124
cis-1,2-Dichloroethene	0.82	J	25.0	27.2		ug/L		105	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	74 - 124
Ethylbenzene	ND		25.0	26.8		ug/L		107	77 - 123
Methylene Chloride	ND		25.0	26.8		ug/L		107	75 - 124
Styrene	ND		25.0	27.5		ug/L		110	80 - 120
Tetrachloroethene	ND		25.0	27.8		ug/L		111	74 - 122
Toluene	ND		25.0	26.3		ug/L		105	80 - 122
trans-1,2-Dichloroethene	ND		25.0	27.1		ug/L		108	73 - 127
trans-1,3-Dichloropropene	ND		25.0	24.7		ug/L		99	80 - 120
Trichloroethene	ND		25.0	27.0		ug/L		108	74 - 123
Vinyl chloride	ND		25.0	27.6		ug/L		111	65 - 133
Xylenes, Total	ND		50.0	52.3		ug/L		105	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*75 - 123*

Lab Sample ID: 480-113751-4 MSD
Matrix: Water
Analysis Batch: 344990

Client Sample ID: AF-11D-022117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	30.9		ug/L		124	73 - 126	7	15
1,1,2,2-Tetrachloroethane	ND		25.0	28.7		ug/L		115	76 - 120	3	15
1,1,2-Trichloroethane	ND		25.0	26.8		ug/L		107	76 - 122	3	15
1,1-Dichloroethane	ND		25.0	27.5		ug/L		110	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	31.4		ug/L		125	66 - 127	5	16
1,2-Dichloroethane	ND		25.0	27.3		ug/L		109	75 - 120	6	20

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

Lab Sample ID: 480-113751-4 MSD
Matrix: Water
Analysis Batch: 344990

Client Sample ID: AF-11D-022117
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		25.0	26.1		ug/L		104	76 - 120	5	20
2-Hexanone	ND		125	138		ug/L		111	65 - 127	3	15
2-Butanone (MEK)	ND		125	136		ug/L		109	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND		125	138		ug/L		110	71 - 125	3	35
Acetone	ND		125	123		ug/L		99	56 - 142	4	15
Benzene	ND		25.0	27.6		ug/L		110	71 - 124	3	13
Bromodichloromethane	ND		25.0	27.6		ug/L		110	80 - 122	5	15
Bromoform	ND		25.0	30.5		ug/L		122	61 - 132	7	15
Bromomethane	ND		25.0	28.8		ug/L		115	55 - 144	10	15
Carbon disulfide	ND		25.0	29.0		ug/L		116	59 - 134	6	15
Carbon tetrachloride	ND		25.0	31.2		ug/L		125	72 - 134	6	15
Chlorobenzene	ND		25.0	26.4		ug/L		105	80 - 120	4	25
Dibromochloromethane	ND		25.0	29.1		ug/L		117	75 - 125	7	15
Chloroethane	ND		25.0	28.6		ug/L		114	69 - 136	8	15
Chloroform	ND		25.0	27.0		ug/L		108	73 - 127	6	20
Chloromethane	ND		25.0	27.7		ug/L		111	68 - 124	7	15
cis-1,2-Dichloroethene	0.82	J	25.0	28.4		ug/L		111	74 - 124	5	15
cis-1,3-Dichloropropene	ND		25.0	27.5		ug/L		110	74 - 124	7	15
Ethylbenzene	ND		25.0	27.6		ug/L		110	77 - 123	3	15
Methylene Chloride	ND		25.0	27.7		ug/L		111	75 - 124	3	15
Styrene	ND		25.0	28.8		ug/L		115	80 - 120	5	20
Tetrachloroethene	ND		25.0	28.9		ug/L		116	74 - 122	4	20
Toluene	ND		25.0	27.3		ug/L		109	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	28.6		ug/L		115	73 - 127	6	20
trans-1,3-Dichloropropene	ND		25.0	25.7		ug/L		103	80 - 120	4	15
Trichloroethene	ND		25.0	27.8		ug/L		111	74 - 123	3	16
Vinyl chloride	ND		25.0	30.7		ug/L		123	65 - 133	11	15
Xylenes, Total	ND		50.0	54.8		ug/L		110	76 - 122	5	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*102*		*75 - 123*

Lab Sample ID: MB 480-345053/7
Matrix: Water
Analysis Batch: 345053

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 11:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 11:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 11:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 11:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 11:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 11:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 11:33	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 11:33	1

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

Lab Sample ID: MB 480-345053/7
Matrix: Water
Analysis Batch: 345053

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 11:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 11:33	1
Acetone	ND		10	3.0	ug/L			02/23/17 11:33	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 11:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 11:33	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 11:33	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 11:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 11:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 11:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 11:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 11:33	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 11:33	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 11:33	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 11:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 11:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 11:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 11:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 11:33	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 11:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 11:33	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 11:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 11:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 11:33	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 11:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 11:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 11:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*02/23/17 11:33*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*02/23/17 11:33*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*02/23/17 11:33*	*1*
Dibromofluoromethane (Surr)	*102*		*75 - 123*		*02/23/17 11:33*	*1*

Lab Sample ID: LCS 480-345053/5
Matrix: Water
Analysis Batch: 345053

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	25.6		ug/L		103	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.6		ug/L		110	76 - 120
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		100	77 - 120
1,1-Dichloroethene	25.0	26.2		ug/L		105	66 - 127
1,2-Dichloroethane	25.0	25.4		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	24.4		ug/L		98	76 - 120
2-Hexanone	125	141		ug/L		113	65 - 127
2-Butanone (MEK)	125	139		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125

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

Lab Sample ID: LCS 480-345053/5
Matrix: Water
Analysis Batch: 345053

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	25.7		ug/L		103	80 - 122
Bromoform	25.0	29.7		ug/L		119	61 - 132
Bromomethane	25.0	25.4		ug/L		102	55 - 144
Carbon disulfide	25.0	26.2		ug/L		105	59 - 134
Carbon tetrachloride	25.0	26.1		ug/L		104	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	80 - 120
Dibromochloromethane	25.0	27.9		ug/L		111	75 - 125
Chloroethane	25.0	23.5		ug/L		94	69 - 136
Chloroform	25.0	24.5		ug/L		98	73 - 127
Chloromethane	25.0	23.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	25.0		ug/L		100	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		106	74 - 124
Ethylbenzene	25.0	25.0		ug/L		100	77 - 123
Methylene Chloride	25.0	25.9		ug/L		104	75 - 124
Styrene	25.0	26.3		ug/L		105	80 - 120
Tetrachloroethene	25.0	25.7		ug/L		103	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	26.5		ug/L		106	80 - 120
Trichloroethene	25.0	25.1		ug/L		100	74 - 123
Vinyl chloride	25.0	23.7		ug/L		95	65 - 133
Xylenes, Total	50.0	50.2		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: MB 480-345169/6
Matrix: Water
Analysis Batch: 345169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/23/17 20:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/23/17 20:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/23/17 20:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/23/17 20:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/23/17 20:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/23/17 20:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/23/17 20:12	1
2-Hexanone	ND		5.0	1.2	ug/L			02/23/17 20:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/23/17 20:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/23/17 20:12	1
Acetone	ND		10	3.0	ug/L			02/23/17 20:12	1
Benzene	ND		1.0	0.41	ug/L			02/23/17 20:12	1

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

Lab Sample ID: MB 480-345169/6
Matrix: Water
Analysis Batch: 345169

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		1.0	0.39	ug/L			02/23/17 20:12	1
Bromoform	ND		1.0	0.26	ug/L			02/23/17 20:12	1
Bromomethane	ND		1.0	0.69	ug/L			02/23/17 20:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/23/17 20:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/23/17 20:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/23/17 20:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/23/17 20:12	1
Chloroethane	ND		1.0	0.32	ug/L			02/23/17 20:12	1
Chloroform	ND		1.0	0.34	ug/L			02/23/17 20:12	1
Chloromethane	ND		1.0	0.35	ug/L			02/23/17 20:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/23/17 20:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/23/17 20:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/23/17 20:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/23/17 20:12	1
Styrene	ND		1.0	0.73	ug/L			02/23/17 20:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/23/17 20:12	1
Toluene	ND		1.0	0.51	ug/L			02/23/17 20:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/23/17 20:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/23/17 20:12	1
Trichloroethene	ND		1.0	0.46	ug/L			02/23/17 20:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/23/17 20:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/23/17 20:12	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/23/17 20:12*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/23/17 20:12*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/23/17 20:12*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/23/17 20:12*	*1*

Lab Sample ID: LCS 480-345169/4
Matrix: Water
Analysis Batch: 345169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.1		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	27.5		ug/L		110	76 - 120
1,1,2-Trichloroethane	25.0	26.2		ug/L		105	76 - 122
1,1-Dichloroethane	25.0	25.3		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.2		ug/L		105	66 - 127
1,2-Dichloroethane	25.0	24.8		ug/L		99	75 - 120
1,2-Dichloropropane	25.0	23.9		ug/L		96	76 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	136		ug/L		109	57 - 140
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	71 - 125
Acetone	125	137		ug/L		110	56 - 142
Benzene	25.0	25.2		ug/L		101	71 - 124
Bromodichloromethane	25.0	26.0		ug/L		104	80 - 122
Bromoform	25.0	29.3		ug/L		117	61 - 132

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

Lab Sample ID: LCS 480-345169/4
Matrix: Water
Analysis Batch: 345169

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	25.0	25.9		ug/L		104	55 - 144
Carbon disulfide	25.0	26.6		ug/L		107	59 - 134
Carbon tetrachloride	25.0	27.2		ug/L		109	72 - 134
Chlorobenzene	25.0	24.4		ug/L		98	80 - 120
Dibromochloromethane	25.0	28.1		ug/L		112	75 - 125
Chloroethane	25.0	24.7		ug/L		99	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	23.2		ug/L		93	68 - 124
cis-1,2-Dichloroethene	25.0	25.4		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.9		ug/L		108	74 - 124
Ethylbenzene	25.0	25.1		ug/L		100	77 - 123
Methylene Chloride	25.0	26.3		ug/L		105	75 - 124
Styrene	25.0	26.2		ug/L		105	80 - 120
Tetrachloroethene	25.0	26.1		ug/L		104	74 - 122
Toluene	25.0	24.9		ug/L		100	80 - 122
trans-1,2-Dichloroethene	25.0	25.6		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		104	80 - 120
Trichloroethene	25.0	25.4		ug/L		101	74 - 123
Vinyl chloride	25.0	24.5		ug/L		98	65 - 133
Xylenes, Total	50.0	49.9		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

GC/MS VOA

Analysis Batch: 344990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113751-1	AF-13P-022117	Total/NA	Water	8260C	
480-113751-2	AF-13S-022117	Total/NA	Water	8260C	
480-113751-3	AF-11S-022117	Total/NA	Water	8260C	
480-113751-4	AF-11D-022117	Total/NA	Water	8260C	
480-113751-5	OSMW-4S-022117	Total/NA	Water	8260C	
480-113751-6	OSMW-4D-022117	Total/NA	Water	8260C	
480-113751-7	PMW-4D-022117	Total/NA	Water	8260C	
480-113751-8	OSMW-1P-022117	Total/NA	Water	8260C	
480-113751-9	OSMW-1S-022117	Total/NA	Water	8260C	
480-113751-10	OSMW-1D-022117	Total/NA	Water	8260C	
480-113751-11	OSMW-11P-022117	Total/NA	Water	8260C	
480-113751-12	OSMW-11S-022117	Total/NA	Water	8260C	
480-113751-13	OSMW-11D-022117	Total/NA	Water	8260C	
480-113751-14	OSMW-12P-022117	Total/NA	Water	8260C	
480-113751-15	OSMW-13P-022117	Total/NA	Water	8260C	
480-113751-16	OSMW-9D-022117	Total/NA	Water	8260C	
MB 480-344990/6	Method Blank	Total/NA	Water	8260C	
LCS 480-344990/4	Lab Control Sample	Total/NA	Water	8260C	
480-113751-4 MS	AF-11D-022117	Total/NA	Water	8260C	
480-113751-4 MSD	AF-11D-022117	Total/NA	Water	8260C	

Analysis Batch: 345053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113751-17	OSMW-9SR-022117	Total/NA	Water	8260C	
480-113751-19	TB-022117	Total/NA	Water	8260C	
MB 480-345053/7	Method Blank	Total/NA	Water	8260C	
LCS 480-345053/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 345169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113751-18	DUP-01-022117	Total/NA	Water	8260C	
MB 480-345169/6	Method Blank	Total/NA	Water	8260C	
LCS 480-345169/4	Lab Control Sample	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: AF-13P-022117 — Lab Sample ID: 480-113751-1

Date Collected: 02/21/17 09:57 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 01:29	NEA	TAL BUF

Client Sample ID: AF-13S-022117 — Lab Sample ID: 480-113751-2

Date Collected: 02/21/17 10:03 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 01:52	NEA	TAL BUF

Client Sample ID: AF-11S-022117 — Lab Sample ID: 480-113751-3

Date Collected: 02/21/17 11:08 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 02:16	NEA	TAL BUF

Client Sample ID: AF-11D-022117 — Lab Sample ID: 480-113751-4

Date Collected: 02/21/17 11:15 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 02:39	NEA	TAL BUF

Client Sample ID: OSMW-4S-022117 — Lab Sample ID: 480-113751-5

Date Collected: 02/21/17 12:40 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 03:02	NEA	TAL BUF

Client Sample ID: OSMW-4D-022117 — Lab Sample ID: 480-113751-6

Date Collected: 02/21/17 12:45 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 03:25	NEA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: PMW-4D-022117 — Lab Sample ID: 480-113751-7

Date Collected: 02/21/17 10:39 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 03:48	NEA	TAL BUF

Client Sample ID: OSMW-1P-022117 — Lab Sample ID: 480-113751-8

Date Collected: 02/21/17 13:25 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 04:11	NEA	TAL BUF

Client Sample ID: OSMW-1S-022117 — Lab Sample ID: 480-113751-9

Date Collected: 02/21/17 13:36 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		20	344990	02/23/17 04:34	NEA	TAL BUF

Client Sample ID: OSMW-1D-022117 — Lab Sample ID: 480-113751-10

Date Collected: 02/21/17 13:41 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 04:57	NEA	TAL BUF

Client Sample ID: OSMW-11P-022117 — Lab Sample ID: 480-113751-11

Date Collected: 02/21/17 14:12 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 05:21	NEA	TAL BUF

Client Sample ID: OSMW-11S-022117 — Lab Sample ID: 480-113751-12

Date Collected: 02/21/17 14:25 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	344990	02/23/17 05:44	NEA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: OSMW-11D-022117 — Lab Sample ID: 480-113751-13

Date Collected: 02/21/17 14:18 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	344990	02/23/17 06:07	NEA	TAL BUF

Client Sample ID: OSMW-12P-022117 — Lab Sample ID: 480-113751-14

Date Collected: 02/21/17 13:59 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 06:30	NEA	TAL BUF

Client Sample ID: OSMW-13P-022117 — Lab Sample ID: 480-113751-15

Date Collected: 02/21/17 14:42 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 06:53	NEA	TAL BUF

Client Sample ID: OSMW-9D-022117 — Lab Sample ID: 480-113751-16

Date Collected: 02/21/17 15:07 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	344990	02/23/17 07:16	NEA	TAL BUF

Client Sample ID: OSMW-9SR-022117 — Lab Sample ID: 480-113751-17

Date Collected: 02/21/17 15:17 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345053	02/23/17 15:16	NEA	TAL BUF

Client Sample ID: DUP-01-022117 — Lab Sample ID: 480-113751-18

Date Collected: 02/21/17 12:00 — **Matrix: Water**
Date Received: 02/22/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345169	02/23/17 20:47	SWO	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Client Sample ID: TB-022117
Date Collected: 02/21/17 00:00
Date Received: 02/22/17 09:30

Lab Sample ID: 480-113751-19
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345053	02/23/17 16:02	NEA	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113751-1
SDG: 480-113751-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-113751-1	AF-13P-022117	Water	02/21/17 09:57	02/22/17 09:30
480-113751-2	AF-13S-022117	Water	02/21/17 10:03	02/22/17 09:30
480-113751-3	AF-11S-022117	Water	02/21/17 11:08	02/22/17 09:30
480-113751-4	AF-11D-022117	Water	02/21/17 11:15	02/22/17 09:30
480-113751-5	OSMW-4S-022117	Water	02/21/17 12:40	02/22/17 09:30
480-113751-6	OSMW-4D-022117	Water	02/21/17 12:45	02/22/17 09:30
480-113751-7	PMW-4D-022117	Water	02/21/17 10:39	02/22/17 09:30
480-113751-8	OSMW-1P-022117	Water	02/21/17 13:25	02/22/17 09:30
480-113751-9	OSMW-1S-022117	Water	02/21/17 13:36	02/22/17 09:30
480-113751-10	OSMW-1D-022117	Water	02/21/17 13:41	02/22/17 09:30
480-113751-11	OSMW-11P-022117	Water	02/21/17 14:12	02/22/17 09:30
480-113751-12	OSMW-11S-022117	Water	02/21/17 14:25	02/22/17 09:30
480-113751-13	OSMW-11D-022117	Water	02/21/17 14:18	02/22/17 09:30
480-113751-14	OSMW-12P-022117	Water	02/21/17 13:59	02/22/17 09:30
480-113751-15	OSMW-13P-022117	Water	02/21/17 14:42	02/22/17 09:30
480-113751-16	OSMW-9D-022117	Water	02/21/17 15:07	02/22/17 09:30
480-113751-17	OSMW-9SR-022117	Water	02/21/17 15:17	02/22/17 09:30
480-113751-18	DUP-01-022117	Water	02/21/17 12:00	02/22/17 09:30
480-113751-19	TB-022117	Water	02/21/17 00:00	02/22/17 09:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

CINCINNATI TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

210501

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s): FedEx: 7003 1339 3893	COC No: 480-93341-19575.3
Client Contact: Chase Forman	Phone: (513) 697-2025	E-Mail: orlette.johnson@testamericainc.com		Page: Page ~~3 of 3~~ 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: 14 days			
City: Cincinnati	TAT Requested (days): Standard			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11700083			
Email: chase.forman@obg.com	WO #: ~~6257 & 400.100~~ 104852.100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
Z - other (specify)
Other:

480-113751 COC

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCS TCL - OLM04.2 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AF-13P-022117	2/21/17	957	G	Water			X		
AF-13S-022117		1003		Water			X		
AF-11S-022117		1108		Water			X		
AF-11D-022117		1115		Water			X		*extra volume for MS/MSD*
OSMW-4S-022117		1240		Water			X		
OSMW-4D-022117		1245		Water			X		
PMW-4D-022117		1039		Water			X		
OSMW-1P-022117		1325		Water			X		
OSMW-1S-022117		1336		Water			X		
OSMW-1D-022117		1341		Water			X		
OSMW-11P-022117		1412		Water			X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Level III data pkg. Analysis per QAPP

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Terra Dalton	2/21/17 1556	OBG		2/21/17 15:56	TestAmerica
	2/21/17 16:05	TestAmerica		2/22/17 0930	

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Δ Yes Δ No		2.6 °C

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record CINCINNATI

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S 210501	Carrier Tracking No(s): FedEx: 7003 1339 3893	COC No: 480-93341-19575.4
Client Contact: Chase Forman	Phone: (513) 697-2025	E-Mail: orlette.johnson@testamericainc.com		Page: Page ~~4 of 5~~ 2 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: 14 days			
City: Cincinnati	TAT Requested (days): Standard			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11700083			
Email: chase.forman@obg.com	WO #: ~~62574.100.130~~ 64852.100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA
M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCS TCL - OLM04.2 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
OSMW-11S-022117	2/21/17	1425	G	Water			X		
OSMW-11D-022117	↓	1418	↓	Water			X		
OSMW-12P-022117	↓	1359	↓	Water			X		
OSMW-13P-022117	↓	1442	↓	Water			X		
OSMW-9D-022117	↓	1507	↓	Water			X		
OSMW-9SR-022117	↓	1517	↓	Water			X		
DUP-01-022117	↓	1200	↓	Water			X		
TB-022117	↓	—	↓	Water			X		*QC Sample*
				Water					
				Water					
				Water					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Level III data pkg. Analysis per QAPP

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	2/21/17 1556	OBG	[signature]	2/21/17 15:56	TestAmerica
[signature]	2/21/17 16:05	TestAmerica	[signature]	2/22/17 0930	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.6 & 4

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-113751-1
SDG Number: 480-113751-1

Login Number: 113751
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	OBG
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

TestAmerica Job ID: 480-113833-1
TestAmerica Sample Delivery Group: 480-113833-1
Client Project/Site: GE - IRM

For:
O'Brien & Gere Inc of North America
8805 Governor's Hill Dr.
Ste. 164
Cincinnati, Ohio 45249

Attn: Chase Forman

Authorized for release by:
2/28/2017 2:09:11 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

Orlette Johnson, Senior Project Manager
(484)685-0864
orlette.johnson@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery 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, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
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
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)

Job ID: 480-113833-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-113833-1

Receipt
The samples were received on 2/23/2017 9:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1º C.

GC/MS VOA
Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: TMW-2D-022217 (480-113833-3) and OSMW-6D-022217 (480-113833-13). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatile sample was analyzed with significant headspace in the sample vial(s): AF-7D-022217 (480-113833-11). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: OSMW-3D-022217 (480-113833-8), AF-7S-022217 (480-113833-10), (480-113833-B-8 MS) and (480-113833-B-8 MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-345334 recovered above the upper control limit for 2-Hexanone. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: OSMW-3D-022217 (480-113833-8), AF-7S-022217 (480-113833-10) and DUP-02-022217 (480-113833-12).

Method(s) 8260C: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 480-345334 were outside control limits for the analyte Trichloroethene. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. (480-113833-B-8 MS) and (480-113833-B-8 MSD).

Method(s) 8260C: The matrix spike (MS) recovery for analytical batch 480-345279 for the analyte Tetrachloroethene was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. AF-7D-022217 (480-113833-11[MS]).

Method(s) 8260C: The matrix spike duplicate (MSD) recovery for analytical batch 480-345279 was outside control limits for the analyte 1,1,2,2-Tetrachloroethane. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. AF-7D-022217 (480-113833-11[MSD]).

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

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: PMW-2D-022217 — Lab Sample ID: 480-113833-1

No Detections.

Client Sample ID: TMW-1D-022217 — Lab Sample ID: 480-113833-2

No Detections.

Client Sample ID: TMW-2D-022217 — Lab Sample ID: 480-113833-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	660		10	8.1	ug/L	10		8260C	Total/NA
Methylene Chloride	18		10	4.4	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	190		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	4.6	J	10	4.6	ug/L	10		8260C	Total/NA
Vinyl chloride	29		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-19D-022217 — Lab Sample ID: 480-113833-4

No Detections.

Client Sample ID: PMW-3D-022217 — Lab Sample ID: 480-113833-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.4		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.5		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	4.4		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10D-022217 — Lab Sample ID: 480-113833-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.2		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.3		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	3.8		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3S-022217 — Lab Sample ID: 480-113833-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.7		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3D-022217 — Lab Sample ID: 480-113833-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	270		10	8.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	30		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	400	F1	10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: AF-7P-022217 — Lab Sample ID: 480-113833-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.2		1.0	0.90	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: AF-7S-022217 — Lab Sample ID: 480-113833-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.0		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.0		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	320		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	510		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-7D-022217 — Lab Sample ID: 480-113833-11

No Detections.

Client Sample ID: DUP-02-022217 — Lab Sample ID: 480-113833-12

No Detections.

Client Sample ID: OSMW-6D-022217 — Lab Sample ID: 480-113833-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.4		4.0	1.5	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	22		4.0	3.2	ug/L	4		8260C	Total/NA
Methylene Chloride	6.2		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	210		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: TB-022217 — Lab Sample ID: 480-113833-14

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: PMW-2D-022217

Lab Sample ID: 480-113833-1

Date Collected: 02/22/17 09:48

Matrix: Water

Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 20:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 20:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 20:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/24/17 20:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 20:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 20:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 20:33	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 20:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 20:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 20:33	1
Acetone	ND		10	3.0	ug/L			02/24/17 20:33	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 20:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 20:33	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 20:33	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 20:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 20:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 20:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 20:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 20:33	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 20:33	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 20:33	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 20:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/24/17 20:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 20:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 20:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 20:33	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 20:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 20:33	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 20:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 20:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 20:33	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 20:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/24/17 20:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*77 - 120*		*02/24/17 20:33*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/24/17 20:33*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/24/17 20:33*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/24/17 20:33*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: TMW-1D-022217

Lab Sample ID: 480-113833-2

Date Collected: 02/22/17 10:45
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 20:56	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 20:56	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 20:56	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/24/17 20:56	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 20:56	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 20:56	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 20:56	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 20:56	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 20:56	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 20:56	1
Acetone	ND		10	3.0	ug/L			02/24/17 20:56	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 20:56	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 20:56	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 20:56	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 20:56	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 20:56	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 20:56	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 20:56	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 20:56	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 20:56	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 20:56	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 20:56	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/24/17 20:56	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 20:56	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 20:56	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 20:56	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 20:56	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 20:56	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 20:56	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 20:56	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 20:56	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 20:56	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/24/17 20:56	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*02/24/17 20:56*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/24/17 20:56*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*02/24/17 20:56*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/24/17 20:56*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: TMW-2D-022217

Lab Sample ID: 480-113833-3

Date Collected: 02/22/17 10:18
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			02/24/17 21:19	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			02/24/17 21:19	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			02/24/17 21:19	10
1,1-Dichloroethane	ND		10	3.8	ug/L			02/24/17 21:19	10
1,1-Dichloroethene	ND		10	2.9	ug/L			02/24/17 21:19	10
1,2-Dichloroethane	ND		10	2.1	ug/L			02/24/17 21:19	10
1,2-Dichloropropane	ND		10	7.2	ug/L			02/24/17 21:19	10
2-Hexanone	ND		50	12	ug/L			02/24/17 21:19	10
2-Butanone (MEK)	ND		100	13	ug/L			02/24/17 21:19	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			02/24/17 21:19	10
Acetone	ND		100	30	ug/L			02/24/17 21:19	10
Benzene	ND		10	4.1	ug/L			02/24/17 21:19	10
Bromodichloromethane	ND		10	3.9	ug/L			02/24/17 21:19	10
Bromoform	ND		10	2.6	ug/L			02/24/17 21:19	10
Bromomethane	ND		10	6.9	ug/L			02/24/17 21:19	10
Carbon disulfide	ND		10	1.9	ug/L			02/24/17 21:19	10
Carbon tetrachloride	ND		10	2.7	ug/L			02/24/17 21:19	10
Chlorobenzene	ND		10	7.5	ug/L			02/24/17 21:19	10
Dibromochloromethane	ND		10	3.2	ug/L			02/24/17 21:19	10
Chloroethane	ND		10	3.2	ug/L			02/24/17 21:19	10
Chloroform	ND		10	3.4	ug/L			02/24/17 21:19	10
Chloromethane	ND		10	3.5	ug/L			02/24/17 21:19	10
cis-1,2-Dichloroethene	**660**		10	8.1	ug/L			02/24/17 21:19	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			02/24/17 21:19	10
Ethylbenzene	ND		10	7.4	ug/L			02/24/17 21:19	10
Methylene Chloride	**18**		10	4.4	ug/L			02/24/17 21:19	10
Styrene	ND		10	7.3	ug/L			02/24/17 21:19	10
Tetrachloroethene	ND		10	3.6	ug/L			02/24/17 21:19	10
Toluene	ND		10	5.1	ug/L			02/24/17 21:19	10
trans-1,2-Dichloroethene	**190**		10	9.0	ug/L			02/24/17 21:19	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			02/24/17 21:19	10
Trichloroethene	**4.6**	**J**	10	4.6	ug/L			02/24/17 21:19	10
Vinyl chloride	**29**		10	9.0	ug/L			02/24/17 21:19	10
Xylenes, Total	ND		20	6.6	ug/L			02/24/17 21:19	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*02/24/17 21:19*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/24/17 21:19*	*10*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/24/17 21:19*	*10*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/24/17 21:19*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: AF-19D-022217

Lab Sample ID: 480-113833-4

Date Collected: 02/22/17 10:30
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 21:42	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 21:42	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 21:42	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/24/17 21:42	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 21:42	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 21:42	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 21:42	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 21:42	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 21:42	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 21:42	1
Acetone	ND		10	3.0	ug/L			02/24/17 21:42	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 21:42	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 21:42	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 21:42	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 21:42	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 21:42	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 21:42	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 21:42	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 21:42	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 21:42	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 21:42	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 21:42	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/24/17 21:42	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 21:42	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 21:42	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 21:42	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 21:42	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 21:42	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 21:42	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 21:42	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 21:42	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 21:42	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/24/17 21:42	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*120*		*77 - 120*		*02/24/17 21:42*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*02/24/17 21:42*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*02/24/17 21:42*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/24/17 21:42*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: PMW-3D-022217

Lab Sample ID: 480-113833-5

Date Collected: 02/22/17 11:06
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 22:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 22:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 22:05	1
1,1-Dichloroethane	**3.4**		1.0	0.38	ug/L			02/24/17 22:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 22:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 22:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 22:05	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 22:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 22:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 22:05	1
Acetone	ND		10	3.0	ug/L			02/24/17 22:05	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 22:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 22:05	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 22:05	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 22:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 22:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 22:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 22:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 22:05	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 22:05	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 22:05	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 22:05	1
cis-1,2-Dichloroethene	**1.5**		1.0	0.81	ug/L			02/24/17 22:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 22:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 22:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 22:05	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 22:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 22:05	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 22:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 22:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 22:05	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 22:05	1
Vinyl chloride	**4.4**		1.0	0.90	ug/L			02/24/17 22:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 22:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/24/17 22:05*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/24/17 22:05*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/24/17 22:05*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/24/17 22:05*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: OSMW-10D-022217

Lab Sample ID: 480-113833-6

Date Collected: 02/22/17 12:15
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.2**		1.0	0.82	ug/L			02/24/17 22:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 22:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 22:28	1
1,1-Dichloroethane	**3.0**		1.0	0.38	ug/L			02/24/17 22:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 22:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 22:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 22:28	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 22:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 22:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 22:28	1
Acetone	ND		10	3.0	ug/L			02/24/17 22:28	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 22:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 22:28	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 22:28	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 22:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 22:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 22:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 22:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 22:28	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 22:28	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 22:28	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 22:28	1
cis-1,2-Dichloroethene	**4.3**		1.0	0.81	ug/L			02/24/17 22:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 22:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 22:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 22:28	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 22:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 22:28	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 22:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 22:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 22:28	1
Trichloroethene	**3.8**		1.0	0.46	ug/L			02/24/17 22:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/24/17 22:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 22:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*02/24/17 22:28*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/24/17 22:28*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*02/24/17 22:28*	*1*
Dibromofluoromethane (Surr)	*109*		*75 - 123*		*02/24/17 22:28*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: OSMW-3S-022217

Lab Sample ID: 480-113833-7

Date Collected: 02/22/17 11:49
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 22:52	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 22:52	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 22:52	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/24/17 22:52	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 22:52	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 22:52	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 22:52	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 22:52	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 22:52	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 22:52	1
Acetone	ND		10	3.0	ug/L			02/24/17 22:52	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 22:52	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 22:52	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 22:52	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 22:52	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 22:52	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 22:52	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 22:52	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 22:52	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 22:52	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 22:52	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 22:52	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/24/17 22:52	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 22:52	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 22:52	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 22:52	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 22:52	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 22:52	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 22:52	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 22:52	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 22:52	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 22:52	1
Vinyl chloride	**2.7**		1.0	0.90	ug/L			02/24/17 22:52	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*02/24/17 22:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/24/17 22:52*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/24/17 22:52*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/24/17 22:52*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: OSMW-3D-022217

Lab Sample ID: 480-113833-8

Date Collected: 02/22/17 11:59
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		10	8.2	ug/L			02/26/17 11:13	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			02/26/17 11:13	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			02/26/17 11:13	10
1,1-Dichloroethane	ND		10	3.8	ug/L			02/26/17 11:13	10
1,1-Dichloroethene	ND		10	2.9	ug/L			02/26/17 11:13	10
1,2-Dichloroethane	ND		10	2.1	ug/L			02/26/17 11:13	10
1,2-Dichloropropane	ND		10	7.2	ug/L			02/26/17 11:13	10
2-Hexanone	ND		50	12	ug/L			02/26/17 11:13	10
2-Butanone (MEK)	ND		100	13	ug/L			02/26/17 11:13	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			02/26/17 11:13	10
Acetone	ND		100	30	ug/L			02/26/17 11:13	10
Benzene	ND		10	4.1	ug/L			02/26/17 11:13	10
Bromodichloromethane	ND		10	3.9	ug/L			02/26/17 11:13	10
Bromoform	ND		10	2.6	ug/L			02/26/17 11:13	10
Bromomethane	ND		10	6.9	ug/L			02/26/17 11:13	10
Carbon disulfide	ND		10	1.9	ug/L			02/26/17 11:13	10
Carbon tetrachloride	ND		10	2.7	ug/L			02/26/17 11:13	10
Chlorobenzene	ND		10	7.5	ug/L			02/26/17 11:13	10
Dibromochloromethane	ND		10	3.2	ug/L			02/26/17 11:13	10
Chloroethane	ND		10	3.2	ug/L			02/26/17 11:13	10
Chloroform	ND		10	3.4	ug/L			02/26/17 11:13	10
Chloromethane	ND		10	3.5	ug/L			02/26/17 11:13	10
cis-1,2-Dichloroethene	**270**		10	8.1	ug/L			02/26/17 11:13	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			02/26/17 11:13	10
Ethylbenzene	ND		10	7.4	ug/L			02/26/17 11:13	10
Methylene Chloride	ND		10	4.4	ug/L			02/26/17 11:13	10
Styrene	ND		10	7.3	ug/L			02/26/17 11:13	10
Tetrachloroethene	ND		10	3.6	ug/L			02/26/17 11:13	10
Toluene	ND		10	5.1	ug/L			02/26/17 11:13	10
trans-1,2-Dichloroethene	**30**		10	9.0	ug/L			02/26/17 11:13	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			02/26/17 11:13	10
Trichloroethene	**400**	**F1**	10	4.6	ug/L			02/26/17 11:13	10
Vinyl chloride	ND		10	9.0	ug/L			02/26/17 11:13	10
Xylenes, Total	ND		20	6.6	ug/L			02/26/17 11:13	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*02/26/17 11:13*	*10*
Toluene-d8 (Surr)	*99*		*80 - 120*		*02/26/17 11:13*	*10*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*02/26/17 11:13*	*10*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/26/17 11:13*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: AF-7P-022217

Lab Sample ID: 480-113833-9

Date Collected: 02/22/17 13:40
Date Received: 02/23/17 09:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 23:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 23:37	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 23:37	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/24/17 23:37	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 23:37	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 23:37	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 23:37	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 23:37	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 23:37	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 23:37	1
Acetone	ND		10	3.0	ug/L			02/24/17 23:37	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 23:37	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 23:37	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 23:37	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 23:37	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 23:37	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 23:37	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 23:37	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 23:37	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 23:37	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 23:37	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 23:37	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			02/24/17 23:37	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 23:37	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 23:37	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 23:37	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 23:37	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 23:37	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 23:37	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 23:37	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 23:37	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 23:37	1
Vinyl chloride	**1.2**		1.0	0.90	ug/L			02/24/17 23:37	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*77 - 120*		*02/24/17 23:37*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/24/17 23:37*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/24/17 23:37*	*1*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/24/17 23:37*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: AF-7S-022217

Lab Sample ID: 480-113833-10

Date Collected: 02/22/17 13:30
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/25/17 00:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/25/17 00:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/25/17 00:00	1
1,1-Dichloroethane	**7.0**		1.0	0.38	ug/L			02/25/17 00:00	1
1,1-Dichloroethene	**2.0**		1.0	0.29	ug/L			02/25/17 00:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/25/17 00:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/25/17 00:00	1
2-Hexanone	ND		5.0	1.2	ug/L			02/25/17 00:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/25/17 00:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/25/17 00:00	1
Acetone	ND		10	3.0	ug/L			02/25/17 00:00	1
Benzene	ND		1.0	0.41	ug/L			02/25/17 00:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/25/17 00:00	1
Bromoform	ND		1.0	0.26	ug/L			02/25/17 00:00	1
Bromomethane	ND		1.0	0.69	ug/L			02/25/17 00:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/25/17 00:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/25/17 00:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/25/17 00:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/25/17 00:00	1
Chloroethane	ND		1.0	0.32	ug/L			02/25/17 00:00	1
Chloroform	ND		1.0	0.34	ug/L			02/25/17 00:00	1
Chloromethane	ND		1.0	0.35	ug/L			02/25/17 00:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/25/17 00:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/25/17 00:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/25/17 00:00	1
Styrene	ND		1.0	0.73	ug/L			02/25/17 00:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/25/17 00:00	1
Toluene	ND		1.0	0.51	ug/L			02/25/17 00:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/25/17 00:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/25/17 00:00	1
Trichloroethene	ND		1.0	0.46	ug/L			02/25/17 00:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/25/17 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*		*02/25/17 00:00*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/25/17 00:00*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/25/17 00:00*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*02/25/17 00:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**320**		10	8.1	ug/L			02/26/17 11:36	10
Vinyl chloride	**510**		10	9.0	ug/L			02/26/17 11:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*02/26/17 11:36*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/26/17 11:36*	*10*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/26/17 11:36*	*10*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/26/17 11:36*	*10*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: AF-7D-022217

Lab Sample ID: 480-113833-11

Date Collected: 02/22/17 12:55
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/25/17 00:22	1
1,1,2,2-Tetrachloroethane	ND	F1	1.0	0.21	ug/L			02/25/17 00:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/25/17 00:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/25/17 00:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/25/17 00:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/25/17 00:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/25/17 00:22	1
2-Hexanone	ND		5.0	1.2	ug/L			02/25/17 00:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/25/17 00:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/25/17 00:22	1
Acetone	ND		10	3.0	ug/L			02/25/17 00:22	1
Benzene	ND		1.0	0.41	ug/L			02/25/17 00:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/25/17 00:22	1
Bromoform	ND		1.0	0.26	ug/L			02/25/17 00:22	1
Bromomethane	ND		1.0	0.69	ug/L			02/25/17 00:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/25/17 00:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/25/17 00:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/25/17 00:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/25/17 00:22	1
Chloroethane	ND		1.0	0.32	ug/L			02/25/17 00:22	1
Chloroform	ND		1.0	0.34	ug/L			02/25/17 00:22	1
Chloromethane	ND		1.0	0.35	ug/L			02/25/17 00:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/25/17 00:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/25/17 00:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/25/17 00:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/25/17 00:22	1
Styrene	ND		1.0	0.73	ug/L			02/25/17 00:22	1
Tetrachloroethene	ND	F1	1.0	0.36	ug/L			02/25/17 00:22	1
Toluene	ND		1.0	0.51	ug/L			02/25/17 00:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/25/17 00:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/25/17 00:22	1
Trichloroethene	ND		1.0	0.46	ug/L			02/25/17 00:22	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/25/17 00:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/25/17 00:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/25/17 00:22*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/25/17 00:22*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/25/17 00:22*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/25/17 00:22*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: DUP-02-022217

Lab Sample ID: 480-113833-12

Date Collected: 02/22/17 12:00
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/26/17 11:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/26/17 11:59	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/26/17 11:59	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/26/17 11:59	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/26/17 11:59	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/26/17 11:59	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/26/17 11:59	1
2-Hexanone	ND		5.0	1.2	ug/L			02/26/17 11:59	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/26/17 11:59	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/26/17 11:59	1
Acetone	ND		10	3.0	ug/L			02/26/17 11:59	1
Benzene	ND		1.0	0.41	ug/L			02/26/17 11:59	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/26/17 11:59	1
Bromoform	ND		1.0	0.26	ug/L			02/26/17 11:59	1
Bromomethane	ND		1.0	0.69	ug/L			02/26/17 11:59	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/26/17 11:59	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/26/17 11:59	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/26/17 11:59	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/26/17 11:59	1
Chloroethane	ND		1.0	0.32	ug/L			02/26/17 11:59	1
Chloroform	ND		1.0	0.34	ug/L			02/26/17 11:59	1
Chloromethane	ND		1.0	0.35	ug/L			02/26/17 11:59	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/26/17 11:59	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/26/17 11:59	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/26/17 11:59	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/26/17 11:59	1
Styrene	ND		1.0	0.73	ug/L			02/26/17 11:59	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/26/17 11:59	1
Toluene	ND		1.0	0.51	ug/L			02/26/17 11:59	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/26/17 11:59	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/26/17 11:59	1
Trichloroethene	ND		1.0	0.46	ug/L			02/26/17 11:59	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/26/17 11:59	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/26/17 11:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*		*02/26/17 11:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/26/17 11:59*	*1*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*02/26/17 11:59*	*1*
Dibromofluoromethane (Surr)	*105*		*75 - 123*		*02/26/17 11:59*	*1*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: OSMW-6D-022217

Lab Sample ID: 480-113833-13

Date Collected: 02/22/17 14:08
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		4.0	3.3	ug/L			02/25/17 01:08	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/25/17 01:08	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/25/17 01:08	4
1,1-Dichloroethane	**4.4**		4.0	1.5	ug/L			02/25/17 01:08	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/25/17 01:08	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/25/17 01:08	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/25/17 01:08	4
2-Hexanone	ND		20	5.0	ug/L			02/25/17 01:08	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/25/17 01:08	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/25/17 01:08	4
Acetone	ND		40	12	ug/L			02/25/17 01:08	4
Benzene	ND		4.0	1.6	ug/L			02/25/17 01:08	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/25/17 01:08	4
Bromoform	ND		4.0	1.0	ug/L			02/25/17 01:08	4
Bromomethane	ND		4.0	2.8	ug/L			02/25/17 01:08	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/25/17 01:08	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/25/17 01:08	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/25/17 01:08	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/25/17 01:08	4
Chloroethane	ND		4.0	1.3	ug/L			02/25/17 01:08	4
Chloroform	ND		4.0	1.4	ug/L			02/25/17 01:08	4
Chloromethane	ND		4.0	1.4	ug/L			02/25/17 01:08	4
cis-1,2-Dichloroethene	**22**		4.0	3.2	ug/L			02/25/17 01:08	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/25/17 01:08	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/25/17 01:08	4
Methylene Chloride	**6.2**		4.0	1.8	ug/L			02/25/17 01:08	4
Styrene	ND		4.0	2.9	ug/L			02/25/17 01:08	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/25/17 01:08	4
Toluene	ND		4.0	2.0	ug/L			02/25/17 01:08	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/25/17 01:08	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/25/17 01:08	4
Trichloroethene	ND		4.0	1.8	ug/L			02/25/17 01:08	4
Vinyl chloride	**210**		4.0	3.6	ug/L			02/25/17 01:08	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/25/17 01:08	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*77 - 120*		*02/25/17 01:08*	*4*
Toluene-d8 (Surr)	*101*		*80 - 120*		*02/25/17 01:08*	*4*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/25/17 01:08*	*4*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*02/25/17 01:08*	*4*

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: TB-022217

Lab Sample ID: 480-113833-14

Date Collected: 02/22/17 00:00
Matrix: Water
Date Received: 02/23/17 09:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/25/17 01:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/25/17 01:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/25/17 01:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/25/17 01:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/25/17 01:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/25/17 01:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/25/17 01:31	1
2-Hexanone	ND		5.0	1.2	ug/L			02/25/17 01:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/25/17 01:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/25/17 01:31	1
Acetone	ND		10	3.0	ug/L			02/25/17 01:31	1
Benzene	ND		1.0	0.41	ug/L			02/25/17 01:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/25/17 01:31	1
Bromoform	ND		1.0	0.26	ug/L			02/25/17 01:31	1
Bromomethane	ND		1.0	0.69	ug/L			02/25/17 01:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/25/17 01:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/25/17 01:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/25/17 01:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/25/17 01:31	1
Chloroethane	ND		1.0	0.32	ug/L			02/25/17 01:31	1
Chloroform	ND		1.0	0.34	ug/L			02/25/17 01:31	1
Chloromethane	ND		1.0	0.35	ug/L			02/25/17 01:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/25/17 01:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/25/17 01:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/25/17 01:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/25/17 01:31	1
Styrene	ND		1.0	0.73	ug/L			02/25/17 01:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/25/17 01:31	1
Toluene	ND		1.0	0.51	ug/L			02/25/17 01:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/25/17 01:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/25/17 01:31	1
Trichloroethene	ND		1.0	0.46	ug/L			02/25/17 01:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/25/17 01:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/25/17 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*77 - 120*		*02/25/17 01:31*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*02/25/17 01:31*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*02/25/17 01:31*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*02/25/17 01:31*	*1*

Surrogate Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Method: 8260C - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
480-113833-1	PMW-2D-022217	112	101	103	108
480-113833-2	TMW-1D-022217	111	102	105	105
480-113833-3	TMW-2D-022217	113	102	102	108
480-113833-4	AF-19D-022217	120	94	94	105
480-113833-5	PMW-3D-022217	110	102	104	109
480-113833-6	OSMW-10D-022217	113	100	103	109
480-113833-7	OSMW-3S-022217	111	100	102	108
480-113833-8	OSMW-3D-022217	109	99	98	104
480-113833-8 MS	OSMW-3D-022217	105	102	104	106
480-113833-8 MSD	OSMW-3D-022217	108	105	103	106
480-113833-9	AF-7P-022217	113	101	104	108
480-113833-10	AF-7S-022217	108	100	101	104
480-113833-10 - DL	AF-7S-022217	109	102	102	106
480-113833-11	AF-7D-022217	110	101	102	106
480-113833-11 MS	AF-7D-022217	106	105	105	106
480-113833-11 MSD	AF-7D-022217	105	104	104	104
480-113833-12	DUP-02-022217	106	100	101	105
480-113833-13	OSMW-6D-022217	111	101	102	108
480-113833-14	TB-022217	115	100	100	110
LCS 480-345279/5	Lab Control Sample	108	103	102	104
LCS 480-345334/4	Lab Control Sample	104	106	105	104
MB 480-345279/7	Method Blank	110	102	104	107
MB 480-345334/6	Method Blank	109	102	102	106

Surrogate Legend

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

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-345279/7
Matrix: Water
Analysis Batch: 345279

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/24/17 19:31	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/24/17 19:31	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/24/17 19:31	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/24/17 19:31	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/24/17 19:31	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/24/17 19:31	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/24/17 19:31	1
2-Hexanone	ND		5.0	1.2	ug/L			02/24/17 19:31	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/24/17 19:31	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/24/17 19:31	1
Acetone	ND		10	3.0	ug/L			02/24/17 19:31	1
Benzene	ND		1.0	0.41	ug/L			02/24/17 19:31	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/24/17 19:31	1
Bromoform	ND		1.0	0.26	ug/L			02/24/17 19:31	1
Bromomethane	ND		1.0	0.69	ug/L			02/24/17 19:31	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/24/17 19:31	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/24/17 19:31	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/24/17 19:31	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/24/17 19:31	1
Chloroethane	ND		1.0	0.32	ug/L			02/24/17 19:31	1
Chloroform	ND		1.0	0.34	ug/L			02/24/17 19:31	1
Chloromethane	ND		1.0	0.35	ug/L			02/24/17 19:31	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/24/17 19:31	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/24/17 19:31	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/24/17 19:31	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/24/17 19:31	1
Styrene	ND		1.0	0.73	ug/L			02/24/17 19:31	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/24/17 19:31	1
Toluene	ND		1.0	0.51	ug/L			02/24/17 19:31	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/24/17 19:31	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/24/17 19:31	1
Trichloroethene	ND		1.0	0.46	ug/L			02/24/17 19:31	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/24/17 19:31	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/24/17 19:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*77 - 120*		*02/24/17 19:31*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/24/17 19:31*	*1*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*02/24/17 19:31*	*1*
Dibromofluoromethane (Surr)	*107*		*75 - 123*		*02/24/17 19:31*	*1*

Lab Sample ID: LCS 480-345279/5
Matrix: Water
Analysis Batch: 345279

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.7		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.3		ug/L		113	76 - 120

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

Lab Sample ID: LCS 480-345279/5
Matrix: Water
Analysis Batch: 345279

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	25.0	26.9		ug/L		108	76 - 122
1,1-Dichloroethane	25.0	25.2		ug/L		101	77 - 120
1,1-Dichloroethene	25.0	26.6		ug/L		106	66 - 127
1,2-Dichloroethane	25.0	25.5		ug/L		102	75 - 120
1,2-Dichloropropane	25.0	24.8		ug/L		99	76 - 120
2-Hexanone	125	142		ug/L		113	65 - 127
2-Butanone (MEK)	125	139		ug/L		111	57 - 140
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	132		ug/L		106	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	26.2		ug/L		105	80 - 122
Bromoform	25.0	30.2		ug/L		121	61 - 132
Bromomethane	25.0	24.8		ug/L		99	55 - 144
Carbon disulfide	25.0	26.5		ug/L		106	59 - 134
Carbon tetrachloride	25.0	28.0		ug/L		112	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	80 - 120
Dibromochloromethane	25.0	28.0		ug/L		112	75 - 125
Chloroethane	25.0	24.4		ug/L		97	69 - 136
Chloroform	25.0	24.3		ug/L		97	73 - 127
Chloromethane	25.0	23.0		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	25.5		ug/L		102	74 - 124
cis-1,3-Dichloropropene	25.0	26.5		ug/L		106	74 - 124
Ethylbenzene	25.0	25.3		ug/L		101	77 - 123
Methylene Chloride	25.0	26.2		ug/L		105	75 - 124
Styrene	25.0	26.1		ug/L		104	80 - 120
Tetrachloroethene	25.0	26.2		ug/L		105	74 - 122
Toluene	25.0	24.8		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	24.1		ug/L		96	73 - 127
trans-1,3-Dichloropropene	25.0	25.9		ug/L		103	80 - 120
Trichloroethene	25.0	26.0		ug/L		104	74 - 123
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133
Xylenes, Total	50.0	49.4		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-113833-11 MS
Matrix: Water
Analysis Batch: 345279

Client Sample ID: AF-7D-022217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		25.0	31.6		ug/L		126	73 - 126
1,1,2,2-Tetrachloroethane	ND	F1	25.0	30.0		ug/L		120	76 - 120
1,1,2-Trichloroethane	ND		25.0	29.9		ug/L		120	76 - 122
1,1-Dichloroethane	ND		25.0	28.9		ug/L		116	77 - 120

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

Lab Sample ID: 480-113833-11 MS
Matrix: Water
Analysis Batch: 345279

Client Sample ID: AF-7D-022217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		25.0	31.6		ug/L		127	66 - 127
1,2-Dichloroethane	ND		25.0	27.8		ug/L		111	75 - 120
1,2-Dichloropropane	ND		25.0	27.5		ug/L		110	76 - 120
2-Hexanone	ND		125	153		ug/L		122	65 - 127
2-Butanone (MEK)	ND		125	145		ug/L		116	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	150		ug/L		120	71 - 125
Acetone	ND		125	132		ug/L		106	56 - 142
Benzene	ND		25.0	28.8		ug/L		115	71 - 124
Bromodichloromethane	ND		25.0	28.3		ug/L		113	80 - 122
Bromoform	ND		25.0	31.9		ug/L		128	61 - 132
Bromomethane	ND		25.0	26.7		ug/L		107	55 - 144
Carbon disulfide	ND		25.0	28.9		ug/L		116	59 - 134
Carbon tetrachloride	ND		25.0	31.0		ug/L		124	72 - 134
Chlorobenzene	ND		25.0	28.5		ug/L		114	80 - 120
Dibromochloromethane	ND		25.0	30.4		ug/L		122	75 - 125
Chloroethane	ND		25.0	27.5		ug/L		110	69 - 136
Chloroform	ND		25.0	27.9		ug/L		112	73 - 127
Chloromethane	ND		25.0	26.2		ug/L		105	68 - 124
cis-1,2-Dichloroethene	ND		25.0	28.9		ug/L		115	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.6		ug/L		110	74 - 124
Ethylbenzene	ND		25.0	29.8		ug/L		119	77 - 123
Methylene Chloride	ND		25.0	29.1		ug/L		116	75 - 124
Styrene	ND		25.0	30.0		ug/L		120	80 - 120
Tetrachloroethene	ND	F1	25.0	30.9	F1	ug/L		124	74 - 122
Toluene	ND		25.0	29.7		ug/L		119	80 - 122
trans-1,2-Dichloroethene	ND		25.0	28.8		ug/L		115	73 - 127
trans-1,3-Dichloropropene	ND		25.0	27.3		ug/L		109	80 - 120
Trichloroethene	ND		25.0	29.1		ug/L		116	74 - 123
Vinyl chloride	ND		25.0	28.6		ug/L		115	65 - 133
Xylenes, Total	ND		50.0	57.4		ug/L		115	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: 480-113833-11 MSD
Matrix: Water
Analysis Batch: 345279

Client Sample ID: AF-7D-022217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		25.0	30.3		ug/L		121	73 - 126	4	15
1,1,2,2-Tetrachloroethane	ND	F1	25.0	30.1	F1	ug/L		121	76 - 120	0	15
1,1,2-Trichloroethane	ND		25.0	28.8		ug/L		115	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	27.8		ug/L		111	77 - 120	4	20
1,1-Dichloroethene	ND		25.0	30.7		ug/L		123	66 - 127	3	16
1,2-Dichloroethane	ND		25.0	27.4		ug/L		110	75 - 120	1	20

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

Lab Sample ID: 480-113833-11 MSD
Matrix: Water
Analysis Batch: 345279

Client Sample ID: AF-7D-022217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		25.0	27.6		ug/L		110	76 - 120	0	20
2-Hexanone	ND		125	150		ug/L		120	65 - 127	2	15
2-Butanone (MEK)	ND		125	144		ug/L		115	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	148		ug/L		119	71 - 125	1	35
Acetone	ND		125	128		ug/L		103	56 - 142	3	15
Benzene	ND		25.0	28.1		ug/L		112	71 - 124	2	13
Bromodichloromethane	ND		25.0	28.1		ug/L		112	80 - 122	1	15
Bromoform	ND		25.0	31.8		ug/L		127	61 - 132	0	15
Bromomethane	ND		25.0	26.6		ug/L		107	55 - 144	0	15
Carbon disulfide	ND		25.0	27.8		ug/L		111	59 - 134	4	15
Carbon tetrachloride	ND		25.0	32.2		ug/L		129	72 - 134	4	15
Chlorobenzene	ND		25.0	27.9		ug/L		111	80 - 120	2	25
Dibromochloromethane	ND		25.0	29.9		ug/L		119	75 - 125	2	15
Chloroethane	ND		25.0	27.5		ug/L		110	69 - 136	0	15
Chloroform	ND		25.0	27.1		ug/L		108	73 - 127	3	20
Chloromethane	ND		25.0	25.9		ug/L		104	68 - 124	1	15
cis-1,2-Dichloroethene	ND		25.0	28.8		ug/L		115	74 - 124	0	15
cis-1,3-Dichloropropene	ND		25.0	27.4		ug/L		110	74 - 124	1	15
Ethylbenzene	ND		25.0	28.5		ug/L		114	77 - 123	5	15
Methylene Chloride	ND		25.0	28.5		ug/L		114	75 - 124	2	15
Styrene	ND		25.0	29.0		ug/L		116	80 - 120	3	20
Tetrachloroethene	ND	F1	25.0	29.6		ug/L		118	74 - 122	5	20
Toluene	ND		25.0	28.8		ug/L		115	80 - 122	3	15
trans-1,2-Dichloroethene	ND		25.0	28.0		ug/L		112	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	26.6		ug/L		106	80 - 120	3	15
Trichloroethene	ND		25.0	27.9		ug/L		112	74 - 123	4	16
Vinyl chloride	ND		25.0	28.3		ug/L		113	65 - 133	1	15
Xylenes, Total	ND		50.0	56.2		ug/L		112	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: MB 480-345334/6
Matrix: Water
Analysis Batch: 345334

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			02/26/17 10:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/26/17 10:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/26/17 10:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/26/17 10:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/26/17 10:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/26/17 10:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/26/17 10:30	1
2-Hexanone	ND		5.0	1.2	ug/L			02/26/17 10:30	1

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

Lab Sample ID: MB 480-345334/6
Matrix: Water
Analysis Batch: 345334

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		10	1.3	ug/L			02/26/17 10:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/26/17 10:30	1
Acetone	ND		10	3.0	ug/L			02/26/17 10:30	1
Benzene	ND		1.0	0.41	ug/L			02/26/17 10:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/26/17 10:30	1
Bromoform	ND		1.0	0.26	ug/L			02/26/17 10:30	1
Bromomethane	ND		1.0	0.69	ug/L			02/26/17 10:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/26/17 10:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/26/17 10:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/26/17 10:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/26/17 10:30	1
Chloroethane	ND		1.0	0.32	ug/L			02/26/17 10:30	1
Chloroform	ND		1.0	0.34	ug/L			02/26/17 10:30	1
Chloromethane	ND		1.0	0.35	ug/L			02/26/17 10:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/26/17 10:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/26/17 10:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/26/17 10:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/26/17 10:30	1
Styrene	ND		1.0	0.73	ug/L			02/26/17 10:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/26/17 10:30	1
Toluene	ND		1.0	0.51	ug/L			02/26/17 10:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/26/17 10:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/26/17 10:30	1
Trichloroethene	ND		1.0	0.46	ug/L			02/26/17 10:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/26/17 10:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/26/17 10:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*77 - 120*		*02/26/17 10:30*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*02/26/17 10:30*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*02/26/17 10:30*	*1*
Dibromofluoromethane (Surr)	*106*		*75 - 123*		*02/26/17 10:30*	*1*

Lab Sample ID: LCS 480-345334/4
Matrix: Water
Analysis Batch: 345334

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	26.8		ug/L		107	73 - 126
1,1,2,2-Tetrachloroethane	25.0	28.4		ug/L		113	76 - 120
1,1,2-Trichloroethane	25.0	27.2		ug/L		109	76 - 122
1,1-Dichloroethane	25.0	26.0		ug/L		104	77 - 120
1,1-Dichloroethene	25.0	26.8		ug/L		107	66 - 127
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		103	76 - 120
2-Hexanone	125	150		ug/L		120	65 - 127
2-Butanone (MEK)	125	144		ug/L		116	57 - 140
4-Methyl-2-pentanone (MIBK)	125	142		ug/L		114	71 - 125

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

Lab Sample ID: LCS 480-345334/4
Matrix: Water
Analysis Batch: 345334

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	137		ug/L		110	56 - 142
Benzene	25.0	25.9		ug/L		104	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	31.8		ug/L		127	61 - 132
Bromomethane	25.0	22.9		ug/L		92	55 - 144
Carbon disulfide	25.0	26.9		ug/L		108	59 - 134
Carbon tetrachloride	25.0	26.8		ug/L		107	72 - 134
Chlorobenzene	25.0	25.4		ug/L		101	80 - 120
Dibromochloromethane	25.0	29.2		ug/L		117	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	25.0		ug/L		100	73 - 127
Chloromethane	25.0	22.8		ug/L		91	68 - 124
cis-1,2-Dichloroethene	25.0	25.8		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	26.9		ug/L		108	74 - 124
Ethylbenzene	25.0	26.3		ug/L		105	77 - 123
Methylene Chloride	25.0	26.0		ug/L		104	75 - 124
Styrene	25.0	27.5		ug/L		110	80 - 120
Tetrachloroethene	25.0	26.9		ug/L		108	74 - 122
Toluene	25.0	26.1		ug/L		104	80 - 122
trans-1,2-Dichloroethene	25.0	25.1		ug/L		100	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	80 - 120
Trichloroethene	25.0	25.8		ug/L		103	74 - 123
Vinyl chloride	25.0	23.5		ug/L		94	65 - 133
Xylenes, Total	50.0	51.6		ug/L		103	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*75 - 123*

Lab Sample ID: 480-113833-8 MS
Matrix: Water
Analysis Batch: 345334

Client Sample ID: OSMW-3D-022217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		250	269		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	ND		250	289		ug/L		116	76 - 120
1,1,2-Trichloroethane	ND		250	262		ug/L		105	76 - 122
1,1-Dichloroethane	ND		250	257		ug/L		103	77 - 120
1,1-Dichloroethene	ND		250	261		ug/L		104	66 - 127
1,2-Dichloroethane	ND		250	255		ug/L		102	75 - 120
1,2-Dichloropropane	ND		250	252		ug/L		101	76 - 120
2-Hexanone	ND		1250	1370		ug/L		110	65 - 127
2-Butanone (MEK)	ND		1250	1320		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		1250	1350		ug/L		108	71 - 125
Acetone	ND		1250	1190		ug/L		95	56 - 142
Benzene	ND		250	256		ug/L		102	71 - 124

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

Lab Sample ID: 480-113833-8 MS — **Client Sample ID: OSMW-3D-022217**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 345334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromodichloromethane	ND		250	262		ug/L		105	80 - 122
Bromoform	ND		250	294		ug/L		118	61 - 132
Bromomethane	ND		250	253		ug/L		101	55 - 144
Carbon disulfide	ND		250	245		ug/L		98	59 - 134
Carbon tetrachloride	ND		250	276		ug/L		110	72 - 134
Chlorobenzene	ND		250	247		ug/L		99	80 - 120
Dibromochloromethane	ND		250	276		ug/L		110	75 - 125
Chloroethane	ND		250	241		ug/L		96	69 - 136
Chloroform	ND		250	246		ug/L		98	73 - 127
Chloromethane	ND		250	230		ug/L		92	68 - 124
cis-1,2-Dichloroethene	270		250	489		ug/L		87	74 - 124
cis-1,3-Dichloropropene	ND		250	272		ug/L		109	74 - 124
Ethylbenzene	ND		250	254		ug/L		101	77 - 123
Methylene Chloride	ND		250	245		ug/L		98	75 - 124
Styrene	ND		250	262		ug/L		105	80 - 120
Tetrachloroethene	ND		250	266		ug/L		107	74 - 122
Toluene	ND		250	250		ug/L		100	80 - 122
trans-1,2-Dichloroethene	30		250	278		ug/L		99	73 - 127
trans-1,3-Dichloropropene	ND		250	259		ug/L		104	80 - 120
Trichloroethene	400	F1	250	573	F1	ug/L		70	74 - 123
Vinyl chloride	ND		250	242		ug/L		97	65 - 133
Xylenes, Total	ND		500	499		ug/L		100	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*77 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: 480-113833-8 MSD — **Client Sample ID: OSMW-3D-022217**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 345334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	ND		250	258		ug/L		103	73 - 126	5	15
1,1,2,2-Tetrachloroethane	ND		250	280		ug/L		112	76 - 120	3	15
1,1,2-Trichloroethane	ND		250	259		ug/L		104	76 - 122	1	15
1,1-Dichloroethane	ND		250	241		ug/L		97	77 - 120	6	20
1,1-Dichloroethene	ND		250	252		ug/L		101	66 - 127	3	16
1,2-Dichloroethane	ND		250	249		ug/L		100	75 - 120	2	20
1,2-Dichloropropane	ND		250	241		ug/L		96	76 - 120	5	20
2-Hexanone	ND		1250	1370		ug/L		110	65 - 127	0	15
2-Butanone (MEK)	ND		1250	1290		ug/L		103	57 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		1250	1350		ug/L		108	71 - 125	0	35
Acetone	ND		1250	1180		ug/L		94	56 - 142	1	15
Benzene	ND		250	242		ug/L		97	71 - 124	6	13
Bromodichloromethane	ND		250	250		ug/L		100	80 - 122	5	15
Bromoform	ND		250	297		ug/L		119	61 - 132	1	15

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

Lab Sample ID: 480-113833-8 MSD
Matrix: Water
Analysis Batch: 345334

Client Sample ID: OSMW-3D-022217
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bromomethane	ND		250	247		ug/L		99	55 - 144	2	15
Carbon disulfide	ND		250	233		ug/L		93	59 - 134	5	15
Carbon tetrachloride	ND		250	261		ug/L		104	72 - 134	6	15
Chlorobenzene	ND		250	239		ug/L		95	80 - 120	3	25
Dibromochloromethane	ND		250	275		ug/L		110	75 - 125	0	15
Chloroethane	ND		250	236		ug/L		94	69 - 136	2	15
Chloroform	ND		250	238		ug/L		95	73 - 127	3	20
Chloromethane	ND		250	221		ug/L		89	68 - 124	4	15
cis-1,2-Dichloroethene	270		250	464		ug/L		78	74 - 124	5	15
cis-1,3-Dichloropropene	ND		250	259		ug/L		104	74 - 124	5	15
Ethylbenzene	ND		250	247		ug/L		99	77 - 123	3	15
Methylene Chloride	ND		250	247		ug/L		99	75 - 124	1	15
Styrene	ND		250	254		ug/L		102	80 - 120	3	20
Tetrachloroethene	ND		250	251		ug/L		100	74 - 122	6	20
Toluene	ND		250	246		ug/L		98	80 - 122	2	15
trans-1,2-Dichloroethene	30		250	257		ug/L		91	73 - 127	8	20
trans-1,3-Dichloropropene	ND		250	247		ug/L		99	80 - 120	5	15
Trichloroethene	400	F1	250	542	F1	ug/L		57	74 - 123	6	16
Vinyl chloride	ND		250	235		ug/L		94	65 - 133	3	15
Xylenes, Total	ND		500	484		ug/L		97	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*77 - 120*
Toluene-d8 (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

QC Association Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

GC/MS VOA

Analysis Batch: 345279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113833-1	PMW-2D-022217	Total/NA	Water	8260C	
480-113833-2	TMW-1D-022217	Total/NA	Water	8260C	
480-113833-3	TMW-2D-022217	Total/NA	Water	8260C	
480-113833-4	AF-19D-022217	Total/NA	Water	8260C	
480-113833-5	PMW-3D-022217	Total/NA	Water	8260C	
480-113833-6	OSMW-10D-022217	Total/NA	Water	8260C	
480-113833-7	OSMW-3S-022217	Total/NA	Water	8260C	
480-113833-9	AF-7P-022217	Total/NA	Water	8260C	
480-113833-10	AF-7S-022217	Total/NA	Water	8260C	
480-113833-11	AF-7D-022217	Total/NA	Water	8260C	
480-113833-13	OSMW-6D-022217	Total/NA	Water	8260C	
480-113833-14	TB-022217	Total/NA	Water	8260C	
MB 480-345279/7	Method Blank	Total/NA	Water	8260C	
LCS 480-345279/5	Lab Control Sample	Total/NA	Water	8260C	
480-113833-11 MS	AF-7D-022217	Total/NA	Water	8260C	
480-113833-11 MSD	AF-7D-022217	Total/NA	Water	8260C	

Analysis Batch: 345334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-113833-8	OSMW-3D-022217	Total/NA	Water	8260C	
480-113833-10 - DL	AF-7S-022217	Total/NA	Water	8260C	
480-113833-12	DUP-02-022217	Total/NA	Water	8260C	
MB 480-345334/6	Method Blank	Total/NA	Water	8260C	
LCS 480-345334/4	Lab Control Sample	Total/NA	Water	8260C	
480-113833-8 MS	OSMW-3D-022217	Total/NA	Water	8260C	
480-113833-8 MSD	OSMW-3D-022217	Total/NA	Water	8260C	

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: PMW-2D-022217 — Lab Sample ID: 480-113833-1

Date Collected: 02/22/17 09:48 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 20:33	NEA	TAL BUF

Client Sample ID: TMW-1D-022217 — Lab Sample ID: 480-113833-2

Date Collected: 02/22/17 10:45 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 20:56	NEA	TAL BUF

Client Sample ID: TMW-2D-022217 — Lab Sample ID: 480-113833-3

Date Collected: 02/22/17 10:18 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	345279	02/24/17 21:19	NEA	TAL BUF

Client Sample ID: AF-19D-022217 — Lab Sample ID: 480-113833-4

Date Collected: 02/22/17 10:30 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 21:42	NEA	TAL BUF

Client Sample ID: PMW-3D-022217 — Lab Sample ID: 480-113833-5

Date Collected: 02/22/17 11:06 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 22:05	NEA	TAL BUF

Client Sample ID: OSMW-10D-022217 — Lab Sample ID: 480-113833-6

Date Collected: 02/22/17 12:15 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 22:28	NEA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: OSMW-3S-022217 — Lab Sample ID: 480-113833-7

Date Collected: 02/22/17 11:49 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 22:52	NEA	TAL BUF

Client Sample ID: OSMW-3D-022217 — Lab Sample ID: 480-113833-8

Date Collected: 02/22/17 11:59 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	345334	02/26/17 11:13	NEA	TAL BUF

Client Sample ID: AF-7P-022217 — Lab Sample ID: 480-113833-9

Date Collected: 02/22/17 13:40 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/24/17 23:37	NEA	TAL BUF

Client Sample ID: AF-7S-022217 — Lab Sample ID: 480-113833-10

Date Collected: 02/22/17 13:30 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/25/17 00:00	NEA	TAL BUF
Total/NA	Analysis	8260C	DL	10	345334	02/26/17 11:36	NEA	TAL BUF

Client Sample ID: AF-7D-022217 — Lab Sample ID: 480-113833-11

Date Collected: 02/22/17 12:55 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/25/17 00:22	NEA	TAL BUF

Client Sample ID: DUP-02-022217 — Lab Sample ID: 480-113833-12

Date Collected: 02/22/17 12:00 — **Matrix: Water**
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345334	02/26/17 11:59	NEA	TAL BUF

Lab Chronicle

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Client Sample ID: OSMW-6D-022217

Lab Sample ID: 480-113833-13

Date Collected: 02/22/17 14:08
Matrix: Water
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	345279	02/25/17 01:08	NEA	TAL BUF

Client Sample ID: TB-022217

Lab Sample ID: 480-113833-14

Date Collected: 02/22/17 00:00
Matrix: Water
Date Received: 02/23/17 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	345279	02/25/17 01:31	NEA	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-17
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-18
Florida	NELAP	4	E87672	06-30-17
Georgia	State Program	4	N/A	03-31-17 *
Georgia	State Program	4	956	03-31-17 *
Illinois	NELAP	5	200003	09-30-17
Iowa	State Program	7	374	03-01-17 *
Kansas	NELAP	7	E-10187	02-28-17 *
Kentucky (DW)	State Program	4	90029	12-31-17
Kentucky (UST)	State Program	4	30	03-31-17 *
Kentucky (WW)	State Program	4	90029	12-31-17
Louisiana	NELAP	6	02031	06-30-17
Maine	State Program	1	NY00044	12-04-18
Maryland	State Program	3	294	03-31-17 *
Massachusetts	State Program	1	M-NY044	06-30-17
Michigan	State Program	5	9937	03-31-17 *
Minnesota	NELAP	5	036-999-337	12-31-17
New Hampshire	NELAP Primary AB	1	2973	09-11-17
New Hampshire	NELAP Secondary AB	1	2337	11-17-17
New Jersey	NELAP	2	NY455	06-30-17
New York	NELAP	2	10026	03-31-17 *
North Dakota	State Program	8	R-176	03-31-17 *
Oklahoma	State Program	6	9421	08-31-17
Oregon	NELAP	10	NY200003	06-09-17
Pennsylvania	NELAP	3	68-00281	07-31-17
Rhode Island	State Program	1	LAO00328	12-30-17
Tennessee	State Program	4	TN02970	03-31-17 *
Texas	NELAP	6	T104704412-15-6	07-31-17
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-17
Washington	State Program	10	C784	02-10-18
West Virginia DEP	State Program	3	252	09-30-16 *
Wisconsin	State Program	5	998310390	08-31-17

* Certification renewal pending - certification considered valid.

Method Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF

Protocol References:

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

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: O'Brien & Gere Inc of North America
Project/Site: GE - IRM

TestAmerica Job ID: 480-113833-1
SDG: 480-113833-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-113833-1	PMW-2D-022217	Water	02/22/17 09:48	02/23/17 09:30
480-113833-2	TMW-1D-022217	Water	02/22/17 10:45	02/23/17 09:30
480-113833-3	TMW-2D-022217	Water	02/22/17 10:18	02/23/17 09:30
480-113833-4	AF-19D-022217	Water	02/22/17 10:30	02/23/17 09:30
480-113833-5	PMW-3D-022217	Water	02/22/17 11:06	02/23/17 09:30
480-113833-6	OSMW-10D-022217	Water	02/22/17 12:15	02/23/17 09:30
480-113833-7	OSMW-3S-022217	Water	02/22/17 11:49	02/23/17 09:30
480-113833-8	OSMW-3D-022217	Water	02/22/17 11:59	02/23/17 09:30
480-113833-9	AF-7P-022217	Water	02/22/17 13:40	02/23/17 09:30
480-113833-10	AF-7S-022217	Water	02/22/17 13:30	02/23/17 09:30
480-113833-11	AF-7D-022217	Water	02/22/17 12:55	02/23/17 09:30
480-113833-12	DUP-02-022217	Water	02/22/17 12:00	02/23/17 09:30
480-113833-13	OSMW-6D-022217	Water	02/22/17 14:08	02/23/17 09:30
480-113833-14	TB-022217	Water	02/22/17 00:00	02/23/17 09:30

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

CINCINNATI
210501

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s): 700 3. 1339. 3920	COC No: 480-93341-19575.5
Client Contact: Chase Forman	Phone: (513) 697-2005	E-Mail: orlette.johnson@testamericainc.com		Page: Page ~~5 of 5~~ 1 of 2
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: 14 days			
City: Cincinnati	TAT Requested (days): Standard			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11700083			
Email: chase.forman@obg.com	WO #: ~~62574.100.130~~ e 64852.100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic
I - Ice
J - DI Water
K - EDTA
L - EDA
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
drate
480-113833 COC
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - VOCS TCL - OLM04.2 List	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
PMW-2D-022217	2/22/17	9:48	G	Water			X		
TMW-1D-022217		10:15		Water			X		
TMW-2D-022217		10:18		Water			X		
AF-19D-022217		10:30		Water			X		
PMW-3D-022217		11:06		Water			X		
OSMW-10D-022217		12:15		Water			X		
OSMW-3S-022217		11:49		Water			X		
OSMW-3D-022217		11:59		Water			X		
AF-7P-022217		13:40		Water			X		
AF-7S-022217		13:30		Water			X		
AF-7D-022217		12:55		Water			X		*extra volume for MS/MSD*

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: Level III Data Pkg; Analysis per QAPP

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Terra Dalton	2/22/17 15:17	OBG	[illegible]	2/22/17 1517	TAI
[illegible]	2/22/17 1517		[illegible]	2/23/17 0930	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1 #4

7003.1339.3920

Chain of Custody Record

48003543 Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica CINCINNATI 210501

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Chase Forman	Date: 2/22/17	Chain of Custody Number: 291613
Address: 8805 Governor's Hill Dr. Ste 164	Telephone Number (Area Code)/Fax Number: (513) 697 2035	Lab Number	Page 2 of 2
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Tera Dalton	Lab Contact: Orette Johnson	
Project Name and Location (State): GE Evendale - OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: #11700083 (CH852.100.130)			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		8260b	Special Instructions/ Conditions of Receipt
DUP-02-022217	2/22/17	1200		X						3					X	
OSMW-6D-022217	2/22/17	1408		X						3					X	
TB-022217	2/22/17	/								2					X	QC sample

Analysis (Attach list if more space is needed)

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): Level III Data Pg.; Analysis per QAPP

1. Relinquished By: Tera Dalton, OBG	Date: 2/22/17	Time: 1517	1. Received By: -Sid Cook	Date: 2/22/17	Time: 1517
2. Relinquished By: [illegible]	Date: 2/22/17	Time: 1517	2. Received By: [illegible]	Date: 2/23/17	Time: 0930
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 2.1 #4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-113833-1
SDG Number: 480-113833-1

Login Number: 113833
List Number: 1
Creator: Janish, Carl M

List Source: TestAmerica Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is 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	
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	obg
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

OBG

THERE'S A WAY