OBG

FINAL REPORT

Groundwater IRM
1st Quarter 2016
Groundwater Monitoring Report

GE Aviation
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1st Quarter 2016
Groundwater Monitoring Report

Evendale, Ohio

Prepared for:
GE Aviation

June 2016

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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, 2016 (herein referred to as First Quarter 2016), at the GE Aviation 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 GE Aviation manufacturing facility (Facility) in Evendale, Ohio, 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 2016, including responses to the key study questions outlined in the PMP, is provided in **Table 1**. Relevant details from the First Quarter 2016 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 2016 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 2016 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 2016 the overall IRM system average flow rate was 198 gallons per minute (gpm) and the run-time was approximately 97%. An extraction well pilot study (Pilot Study) was initiated on August 11, 2015, and included cycling EW-7S and EW-8D on and off at the schedule prescribed in the Pilot Test Plan (OBG, 2015e). However, the Pilot Study was terminated on February 17, 2016 (*i.e.*, EW-7S and EW-8D were turned on and left on) due to IRM System operational issues associated with the low extraction rates. Extraction well average flow rates for the First Quarter 2016 include:
  - Perched Zone – 27 gpm (EW-6P) to 43 gpm (EW-4P)
  - USG – 4 gpm (EW-7S, 9 gpm when the pump was on during the Pilot Study)
  - LSG – 38 gpm (EW-3D) and 36 gpm (EW-8D, 43 gpm when the pump was on during the Pilot Study).

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 2016 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, with the following noted exceptions:
  - TMW-1S showed an increase in concentrations of cis-1,2-DCE (29 µg/l) and vinyl chloride (VC) (100 µg/l) from non-detect and 1.4 µg/l, respectively, during this quarterly event.
  - OSMW-1S showed an increase in concentrations of cis-1,2-DCE (180 µg/l) and VC (290 µg/l) from 54 µg/l and 140 µg/l, respectively, during this quarterly event. The TMW-1S and OSMW-1S changes will continue to be monitored to determine whether they represent a potential cross-contamination issue.
  - OSMW-3D showed an increase in the TCE concentration from 1.2 µg/l in the last event to 150 µg/l this event; whereas, cis-1,2-DCE (280 µg/l) decreased in concentration from 410 µg/l in the last quarterly event. These changes are associated with plume movement within the system capture zone.
  - OSMW-6D showed a slight decrease in VC (210 µg/l) and cis-1,2-DCE (19 µg/l) concentration from 240 µg/l and 26 µg/l, respectively, in the last quarterly event, but remain elevated.
  - OSMW-11D showed an increase in concentrations of 1,1-DCA (21 µg/l), TCE (16 µ/l), and cis-1,2-DCE (110 µg/l) from non-detect, non-detect and 1 µg/l, respectively, during this quarterly event. However, overall concentrations in OSMW-11D indicate a general decreasing trend.

  - TMW-2D showed a decrease in cis-1,2-DCE (650 µg/l) concentration from 740 µg/l in the last quarterly event and remains elevated. This change may be associated with plume movement, and will continue to be evaluated.

- 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 cis-1,2-DCE and VC concentrations in the IRM system influent sample data during the First Quarter 2016 are a result of an increase in the cis-1,2-DCE and VC concentrations in EW-7S.
  - The March 1, 2016, increase in cis-1,2-DCE and VC concentrations in EW-7S are a result of the reduced capture zone of EW-7S.

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; however, water levels decreased slightly through February 3, 2016, before increasing thereafter.
		Perched	√		Noticeable rise in water levels due to heavy rainfall events on February 1-3, 2016, February 24-26, 2016, and March 9-14, 2016. Also, recovery and drawdown curves are noticeable within the LSG in response to the cycling of EW-3S, and also due to IRM treatment system shutdowns, especially on March 11-14, 2016.
		USG	√		
		LSG	√		
			√		Slight reduction in drawdowns overall in the USG and LSG compared to 4Q-15, but not resulting in significant change in capture zones. Very limited for USG due to reduced pumping rate and cycling of EW-7S. Reduction of drawdowns in LSG and EW-8D capture zone due to cycling of EW-8D during Pilot Study, and EW-3D capture zone due to cycling of EW-3D because of reduction in well capacity.
	Vertical Gradients	Active pumping maintaining gradient reversal?		√	No for the following wells: AF-4P/S - due to EW-6P cycling and operational problems; AF 11S/D - due to reduction in EW-7S pumping; OSMW-4S/D - due to reduction in EW-7S pumping and cycling of EW-7S and EW-8D during Pilot Study.
		Statistically significant increasing (downward vertical) trends?[1]		√	No
	Equilibrium/Capture Zones	**Steady state/equilibrium maintained?**	√		Slight reduction in drawdowns overall compared to 4Q-15
		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		√	
		USG		√	TMW-1S and OSMW-1S - increased and will continue to be monitored closely
		LSG		√	TMW-2D decreased, but remains elevated; OSMW-3D - increased slightly and remains elevated; OSMW-6D decreased, but remains elevated; OSMW-11D increased after decreasing last event - continue to monitor
		Field bioparameters - indicative of cross-contamination?		√	
		Field bioparameters - reduced biodegradation effectiveness?		√	AF-4P, AF-6S, AF-7S, AF-7D, AF-9S, AF-11S, AF-19S, AF-19D, AF-25P, OSMW-3S, OSMW-4S, OSMW-4D, OSMW-10S, OSMW-10D, PMW-3P, PMW-3S, PMW-3D, TMW-1P and TMW-1S - DO and/or ORP increased; and pH generally decreased, but remain elevated - 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-7S - TCA Group increasing trend based on very low concentrations (<2 ppb), and is not a concern
		Statistical trends - Stable (no significant trends)?	√		Except for EW-7S - no statistical trend; however, increasing cis-1,2-DCE and VC associated with reduced capture zone for EW-7S
		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

Table 2 - Well Completion Data - Groundwater Level Monitoring

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		2.00					
			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

See notes on page 3.

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-9S			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

See notes on page 3.

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		2.00					
			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
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-9S		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

See notes on page 2.

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-16) - Detected Parameters Only

Location		AF-11D	AF-11S	AF-13P	AF-13S	AF-19D	AF-19S	AF-25P	AF-4P	AF-4S	AF-5P	AF-5S
Sample Date		3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016	3/2/2016
FIELD PARAMETERS	**units**											
dtw												
pH	S.U.	8.63	8.11	7.55	11.61	7.71	7.70	7.80	7.76	7.72	7.50	7.74
Conductivity (mS/cm)	mS/cm	0.736	1.003	0.397	0.418	1.056	1.205	3.445	1.624	1.352	1.889	1.467
DO (mg/L)	mg/L	0.24	1.31	3.19	6.55	1.80	1.44	2.93	2.21	0.28	0.46	0.37
Temperature (oC)	Deg C	15.76	16.15	11.84	16.33	16.17	16.30	19.11	16.11	15.68	16.25	15.91
ORP (mV)	mV	-314.4	-144.3	-115.2	-95.5	-161.9	-142.6	-49.9	-67.4	-153.4	-100.4	-158.6
DETECTABLE VOCs	**units**											
1,1,1-Trichloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	440	41	2.5	35	< 1.0
1,1-Dichloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	55	6.5	1.6	2.9 J	4.4
1,1-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	77	7.3	1.2	7.8	< 1.0
2-Butanone	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	< 40	2.6 J
Acetone	ug/l	< 10	< 10	< 10	< 10	< 10	< 10	< 50	< 10	< 10	24 J	23
Benzene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	0.53 J	< 4.0	< 1.0
Chloroethane	ug/l	0.44 J	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 4.0	< 1.0
Chloroform	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	3.2 J	0.61 J	< 1.0	< 4.0	< 1.0
cis-1,2-Dichloroethene	ug/l	1.7	< 1.0	< 1.0	12	< 1.0	< 1.0	30	3.6	17	3.8 J	5.1
Tetrachloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	5.6	10	< 1.0	< 4.0	< 1.0
trans-1,2-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 5.0	< 1.0	< 1.0	< 4.0	< 1.0
Trichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	410	91	4.7	93	< 1.0
Vinyl Chloride	ug/l	1.1	3.0	< 1.0	0.97 J	< 1.0	9.8	< 5.0	< 1.0	< 1.0	< 4.0	36

Notes:

1) J = Estimated

2) NM = Not Measured

3) See Table 3 for listing of semiannual wells

Table 4 - Summary of Groundwater Sampling Results (1Q-16) - Detected Parameters Only

Location		AF-6S		AF-7D		AF-7P		AF-7S		AF-9S		OSMW-10D		OSMW-10P		OSMW-10S		OSMW-11D		OSMW-11P		OSMW-11S	
Sample Date		3/2/2016		3/3/2016		3/3/2016		3/3/2016		3/2/2016		3/1/2016		3/1/2016		3/1/2016		3/3/2016		3/3/2016		3/3/2016	
FIELD PARAMETERS	**units**																						
dtw																							
pH	S.U.	7.61		7.61		7.29		7.51		7.76		7.60		7.20		7.42		7.24		7.08		7.31	
Conductivity (mS/cm)	mS/cm	1.374		1.133		5.668		1.187		1.102		1.071		1.415		0.949		1.497		1.479		1.86	
DO (mg/L)	mg/L	1.09		1.64		1.16		0.86		1.63		0.54		0.36		1.06		2.17		1.05		1.27	
Temperature (oC)	Deg C	18.25		15.17		17.67		17.18		15.99		16.53		17.48		17.28		14.42		14.81		15.27	
ORP (mV)	mV	-143.5		-253.9		-132.0		-203.8		-149.4		-64.4		-127.3		-51.5		-123.1		-107.8		-66.6	
DETECTABLE VOCs	**units**																						
1,1,1-Trichloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		5.1		4.9		< 1.0		< 1.0		< 2.0	
1,1-Dichloroethane	ug/l	< 1.0		< 1.0		1.4		7.3	J	< 1.0		< 1.0		19		3.1		21		2.2		20	
1,1-Dichloroethene	ug/l	< 1.0		< 1.0		< 1.0		3.0	J	< 1.0		< 1.0		1.1		1.1		2.3		< 1.0		2.2	
2-Butanone	ug/l	< 10		< 10		< 10		< 100		< 10		< 10		< 10		< 10		< 10		< 10		< 20	
Acetone	ug/l	< 10		< 10		< 10		< 100		< 10		< 10		< 10		< 10		< 10		< 10		< 20	
Benzene	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0	
Chloroethane	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		< 1.0		< 1.0		1		< 1.0		< 2.0	
Chloroform	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0	
cis-1,2-Dichloroethene	ug/l	< 1.0		< 1.0		< 1.0		360		< 1.0		< 1.0		39		7.3		110		1.1		140	
Tetrachloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 1.0		< 2.0	
trans-1,2-Dichloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		< 1.0		< 1.0		3.1		< 1.0		3.4	
Trichloroethene	ug/l	< 1.0		< 1.0		< 1.0		< 10		< 1.0		< 1.0		22		29		16		0.6	J	41	
Vinyl Chloride	ug/l	< 1.0		< 1.0		1.7		460		< 1.0		1.6		< 1.0		< 1.0		3		< 1.0		< 2.0	

Notes:

1) J = Estimated

2) NM = Not Measured

3) See Table 3 for listing of semiannual wells

Table 4 - Summary of Groundwater Sampling Results (1Q-16) - Detected Parameters Only

Location		OSMW-12P	OSMW-13P	OSMW-1D	OSMW-1P	OSMW-1S	OSMW-3D	OSMW-3S	OSMW-4D	OSMW-4S	OSMW-6D	OSMW-9S
Sample Date		3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/3/2016	3/1/2016	3/1/2016	3/3/2016	3/3/2016	3/2/2016	3/3/2016
FIELD PARAMETERS	**units**											
dtw												
pH	S.U.	6.98	7.13	7.41	7.15	7.40	7.52	7.47	7.41	8.49	12.38	7.34
Conductivity (mS/cm)	mS/cm	1.102	1.645	1.355	1.722	1.623	0.735	0.673	0.536	0.613	1.086	2.525
DO (mg/L)	mg/L	3.25	1.87	1.04	3.33	1.13	0.41	1.84	0.71	1.44	4.30	3.76
Temperature (oC)	Deg C	14.92	15.59	15.16	15.45	15.67	16.69	16.92	15.82	16.34	16.43	15.88
ORP (mV)	mV	-40.0	-54.7	-144.6	-53.5	-141.0	-281.6	-114.8	-107.3	-68.4	-97.4	-106.0
DETECTABLE VOCs	**units**											
1,1,1-Trichloroethane	ug/l	2.7	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
1,1-Dichloroethane	ug/l	2.6	2.1	1.6	2.5	< 10	< 10	< 1.0	0.86 J	< 1.0	4 J	2.4
1,1-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 5.0	0.96 J
2-Butanone	ug/l	< 10	< 10	< 10	< 10	< 100	< 100	< 10	2.6 J	2.8 J	< 50	< 20
Acetone	ug/l	< 10	< 10	< 10	< 10	< 100	< 100	< 10	19	23	< 50	< 20
Benzene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
Chloroethane	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
Chloroform	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
cis-1,2-Dichloroethene	ug/l	< 1.0	< 1.0	0.91 J	< 1.0	180	280	< 1.0	1.1	< 1.0	19	56
Tetrachloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 10	< 10	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
trans-1,2-Dichloroethene	ug/l	< 1.0	< 1.0	< 1.0	< 1.0	< 10	22	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
Trichloroethene	ug/l	3.3	< 1.0	< 1.0	< 1.0	< 10	150	< 1.0	< 1.0	< 1.0	< 5.0	< 2.0
Vinyl Chloride	ug/l	< 1.0	< 1.0	8.6	< 1.0	290	< 10	1.0	3.3	< 1.0	210	97

Notes:

1) J = Estimated

2) NM = Not Measured

3) See Table 3 for listing of semiannual wells

Table 4 - Summary of Groundwater Sampling Results (1Q-16) - Detected Parameters Only

Location Sample Date		PMW-2D 3/2/2016		PMW-3D 3/1/2016		PMW-3P 3/1/2016		PMW-3S 3/1/2016		PMW-4D 3/2/2016		TMW-1D 3/2/2016		TMW-1P 3/2/2016		TMW-1S 3/2/2016		TMW-2D 3/2/2016		TMW-2S 3/2/2016	
FIELD PARAMETERS	**units**																				
dtw																					
pH	S.U.	7.74		7.63		6.95		7.35		12.69		7.41		7.34		7.46		7.69		7.64	
Conductivity (mS/cm)	mS/cm	0.658		0.716		0.824		0.817		1.854		1.205		2.46		1.186		1.606		1.257	
DO (mg/L)	mg/L	1.17		0.54		0.86		0.93		0.81		0.61		1.61		0.97		0.70		1.27	
Temperature (oC)	Deg C	14.44		17.40		17.94		17.77		16.00		15.34		16.72		17.08		16.35		16.11	
ORP (mV)	mV	-141.4		-118.0		-27.7		-53.0		-114.6		-94.3		-69.7		-97.1		-123.4		-134.3	
DETECTABLE VOCs	**units**																				
1,1,1-Trichloroethane	ug/l	< 1.0		< 1.0		< 5.0		4.6		< 1.0		< 1.0		160		< 1.0		< 10		< 1.0	
1,1-Dichloroethane	ug/l	0.41	J	3		47		4		< 1.0		< 1.0		37		3.4		< 10		< 1.0	
1,1-Dichloroethene	ug/l	< 1.0		< 1.0		< 5.0		0.92	J	< 1.0		< 1.0		37		< 1.0		< 10		< 1.0	
2-Butanone	ug/l	< 10		< 10		< 50		< 10		< 10		< 10		< 40		< 10		< 100		< 10	
Acetone	ug/l	< 10		< 10		< 50		< 10		< 10		24		< 40		22		< 100		< 10	
Benzene	ug/l	< 1.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		4.2	J	< 1.0	
Chloroethane	ug/l	< 1.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		< 10		< 1.0	
Chloroform	ug/l	< 1.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		1.8	J	< 1.0		< 10		< 1.0	
cis-1,2-Dichloroethene	ug/l	< 1.0		3.6		150		26		< 1.0		< 1.0		46		29		650		< 1.0	
Tetrachloroethene	ug/l	< 1.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		< 10		< 1.0	
trans-1,2-Dichloroethene	ug/l	< 1.0		< 1.0		< 5.0		< 1.0		< 1.0		< 1.0		< 4.0		< 1.0		170		< 1.0	
Trichloroethene	ug/l	< 1.0		< 1.0		20		15		< 1.0		< 1.0		190		< 1.0		< 10		< 1.0	
Vinyl Chloride	ug/l	< 1.0		9.1		< 5.0		9.9		2.7		< 1.0		14		100		34		< 1.0	

Notes:

1) J = Estimated

2) NM = Not Measured

3) See Table 3 for listing of semiannual wells

Table 5 - Summary of Groundwater Chemical Cross-Contamination Analyses

			3/2/2016			
Well ID	TCA_grp UTL Value (µmol/L)	TCE_grp UTL Value (µmol/L)	TCA Group Values (µmol/L)	TCE Group Values (µmol/L)	TCA Group Comparison	TCE Group Comparison
AF-11D	.0092	2.3875	0.0068	0.0351	ACCEPT	ACCEPT
AF-11S	.0842	3.1943	0.0000	0.0480	ACCEPT	ACCEPT
AF-13P	.0359	.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-13S	.0359	.0359	0.0000	0.1393	ACCEPT	REJECT
AF-19D	.0359	.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-19S	2.0047	3.6624	0.0000	0.1568	ACCEPT	ACCEPT
AF-25P	12.3782	11.3839	4.6483	3.4502	ACCEPT	ACCEPT
AF-4P	2.0047	3.6624	0.4483	0.7870	ACCEPT	ACCEPT
AF-4S	1.1853	5.9427	0.0473	0.2110	ACCEPT	ACCEPT
AF-5P	1.3739	4.5782	0.3721	0.7440	ACCEPT	ACCEPT
AF-5S	2.5715	9.0739	0.0445	0.6286	ACCEPT	ACCEPT
AF-6S	.0359	.0359	0.0000	0.0000	ACCEPT	ACCEPT
AF-7D	.0240	.0261	0.0000	0.0000	ACCEPT	ACCEPT
AF-7P	10.8813	9.7516	0.0141	0.0272	ACCEPT	ACCEPT
AF-7S	0.7677	31.8240	0.1047	11.0735	ACCEPT	ACCEPT
AF-9S	.0694	.7894	0.0000	0.0000	ACCEPT	ACCEPT
OSMW-10D	.1633	.1269	0.0000	0.0256	ACCEPT	ACCEPT
OSMW-10P	3.9915	2.7868	0.2416	0.5690	ACCEPT	ACCEPT
OSMW-10S	3.5411	1.2163	0.0794	0.2951	ACCEPT	ACCEPT
OSMW-11D	.7604	8.2552	0.2514	1.3358	ACCEPT	ACCEPT
OSMW-11P	.0232	.0066	0.0222	0.0159	ACCEPT	REJECT
OSMW-11S	1.0371	11.9864	0.2248	1.7898	ACCEPT	ACCEPT
OSMW-12P	0.0529	0.0352	0.0465	0.0250	ACCEPT	ACCEPT
OSMW-13P	.0510	.0688	0.0212	0.0000	ACCEPT	ACCEPT
OSMW-1D	1.0602	23.5751	0.0162	0.1470	ACCEPT	ACCEPT
OSMW-1P	.0386	.0383	0.0253	0.0000	ACCEPT	ACCEPT
OSMW-1S	1.8189	54.1122	0.0000	6.4968	ACCEPT	ACCEPT
OSMW-3D	.0969	13.9650	0.0000	4.2517	ACCEPT	ACCEPT
OSMW-3S	.0952	.8117	0.0000	0.0160	ACCEPT	ACCEPT
OSMW-4D	.1902	1.2387	0.0087	0.0641	ACCEPT	ACCEPT
OSMW-4S	0.1184	7.8398	0.0000	0.0000	ACCEPT	ACCEPT
OSMW-6D	.8025	3.8001	0.0404	3.5561	ACCEPT	ACCEPT
OSMW-9S	.0327	6.9411	0.0342	2.1297	REJECT	ACCEPT
PMW-2D	.0021	.0359	0.0041	0.0000	REJECT	ACCEPT
PMW-3D	3.1451	2.5338	0.0303	0.1827	ACCEPT	ACCEPT
PMW-3P	2.5478	4.0693	0.4749	1.6988	ACCEPT	ACCEPT
PMW-3S	2.3156	2.3051	0.0844	0.5403	ACCEPT	ACCEPT
PMW-4D	.0359	.1228	0.0000	0.0432	ACCEPT	ACCEPT
TMW-1D	.0359	.0093	0.0000	0.0000	ACCEPT	ACCEPT
TMW-1P	3.1442	5.8024	1.9549	2.1383	ACCEPT	ACCEPT
TMW-1S	.2465	10.5703	0.0344	1.8992	ACCEPT	ACCEPT
TMW-2D	.0454	9.8486	0.0000	9.0020	ACCEPT	ACCEPT
TMW-2S	.0039	.0254	0.0000	0.0000	ACCEPT	ACCEPT

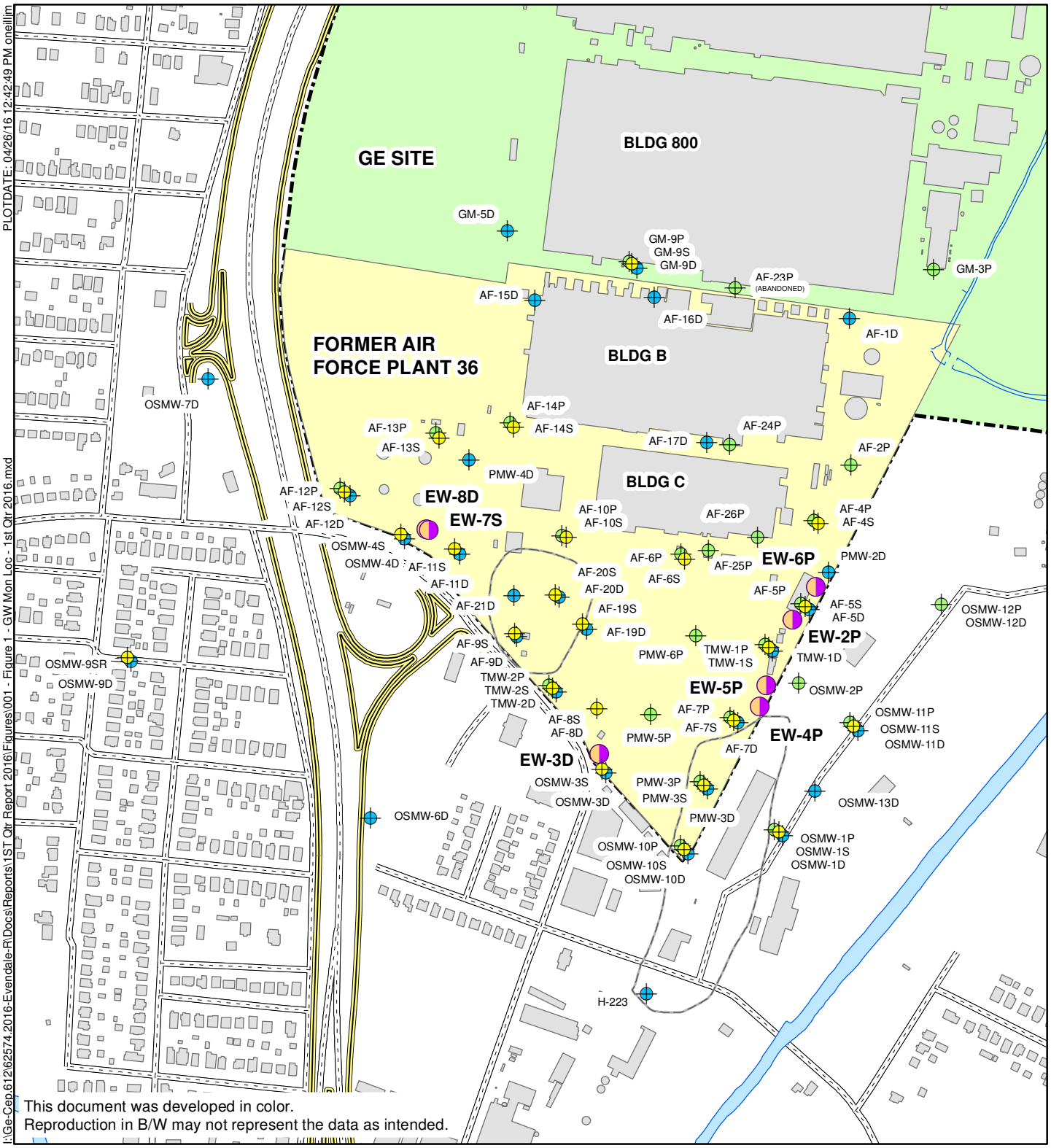
Footnotes: ACCEPT - current concentrations are below baseline UTL value (not indicative of cross-contamination)

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), OSMW-9S (TCA Group), OSMW-11P (TCE Group) and PMW-2D (TCA 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 2016
62574.002

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2

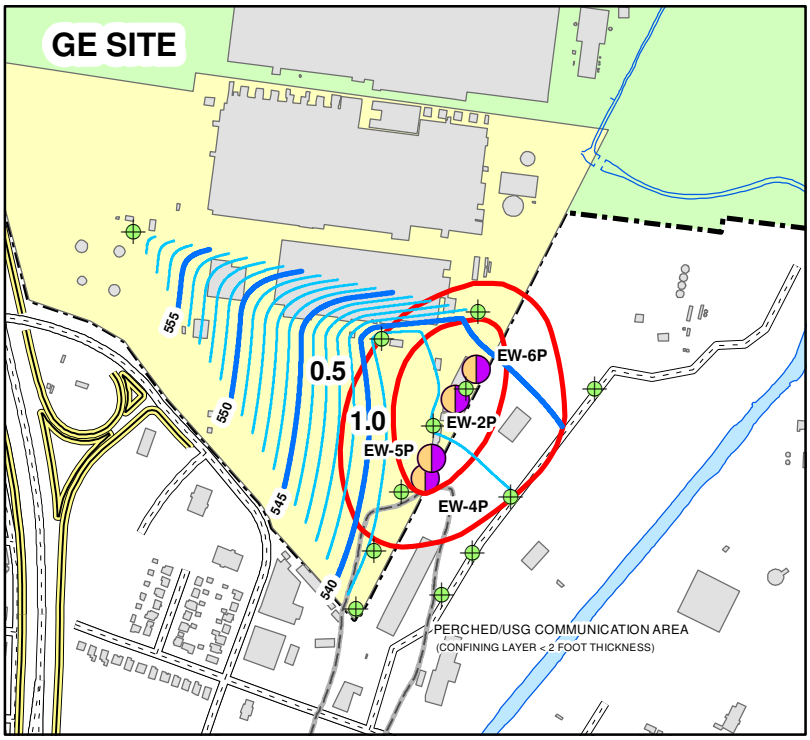
Perched Zone

Approximate Drawdown (ft)
March 1, 2016

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

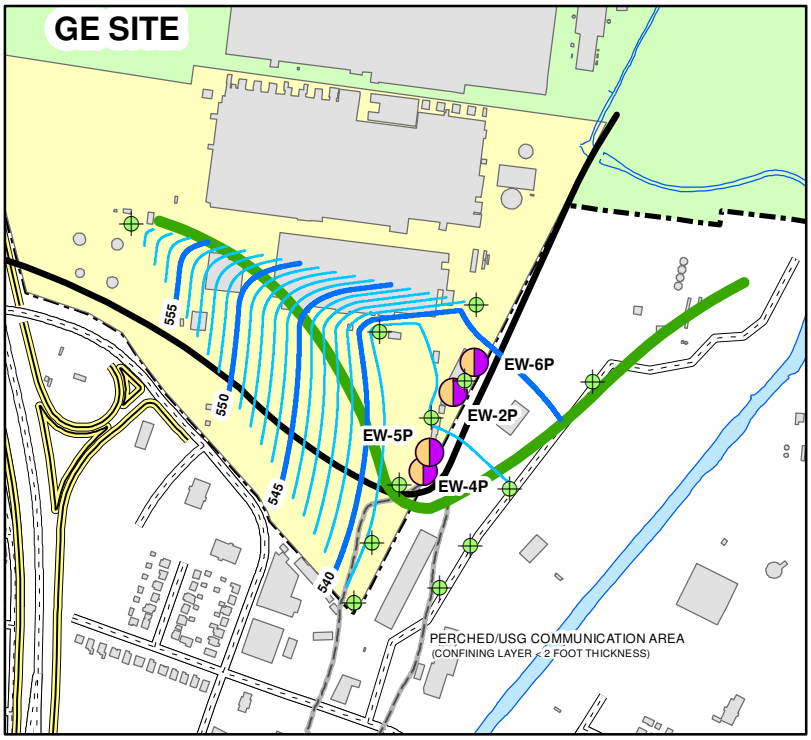


Perched Zone

Design Capture Zone (320 gpm)

Apparent Capture Zone (120 gpm)
1st Qtr 2016

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 2016
62574.002

O'BRIEN & GERE ENGINEERS, INC.

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PLOTDATE: 4/26/2016 oneillim

FIGURE 3

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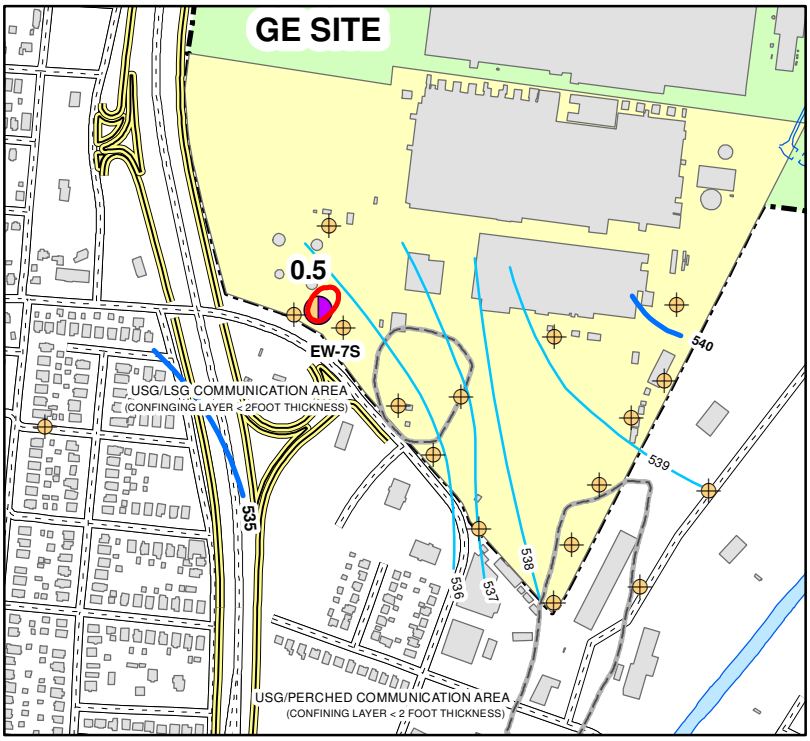
USG Zone

Approximate Drawdown (ft)
March 1, 2016

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

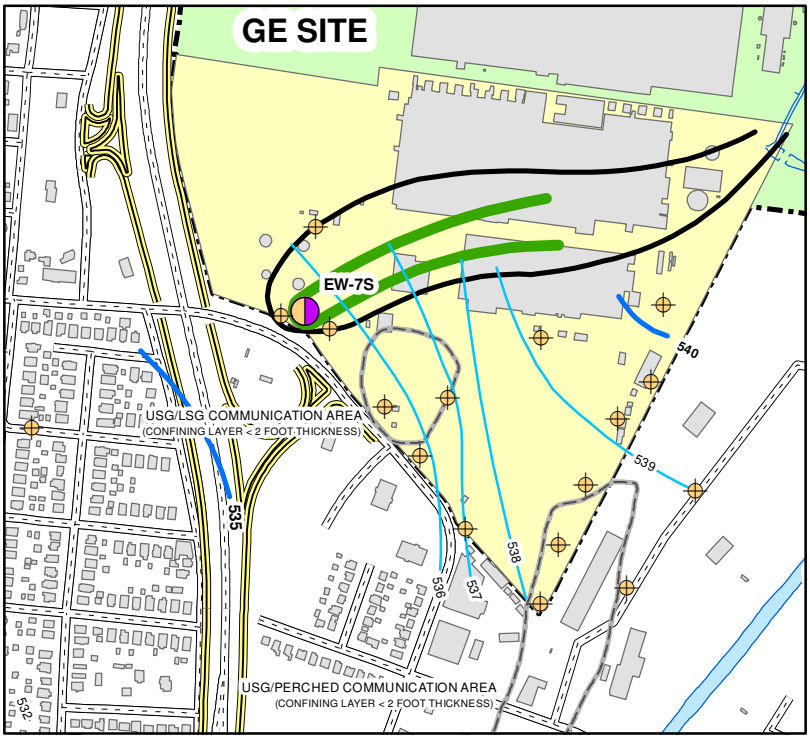


USG Zone

Design Capture Zone (80 gpm)

Apparent Capture Zone (4 gpm)
1st Qtr 2016

Groundwater Contour (feet)



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GE
EVENDALE, OHIO

N

USG
ESTIMATED DRAWDOWN AND CAPTURE ZONE

March 2016
62574.002

0 400 800 1,600
Feet

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4

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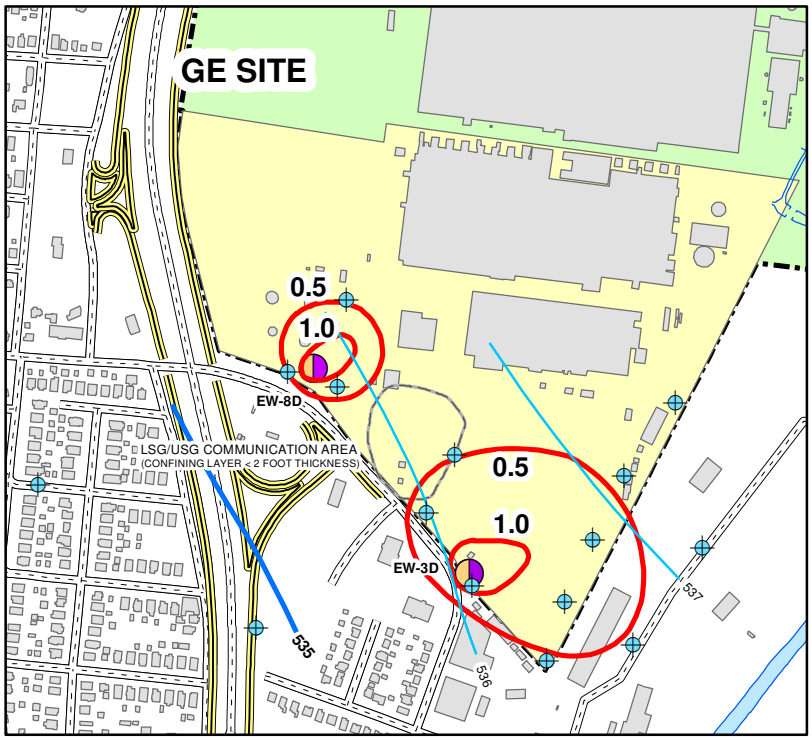
LSG Zone

Approximate Drawdown (ft)
March 1, 2016

Based on Manual & Transducer Measurements

Estimated Drawdown (feet)

Groundwater Contour (feet)

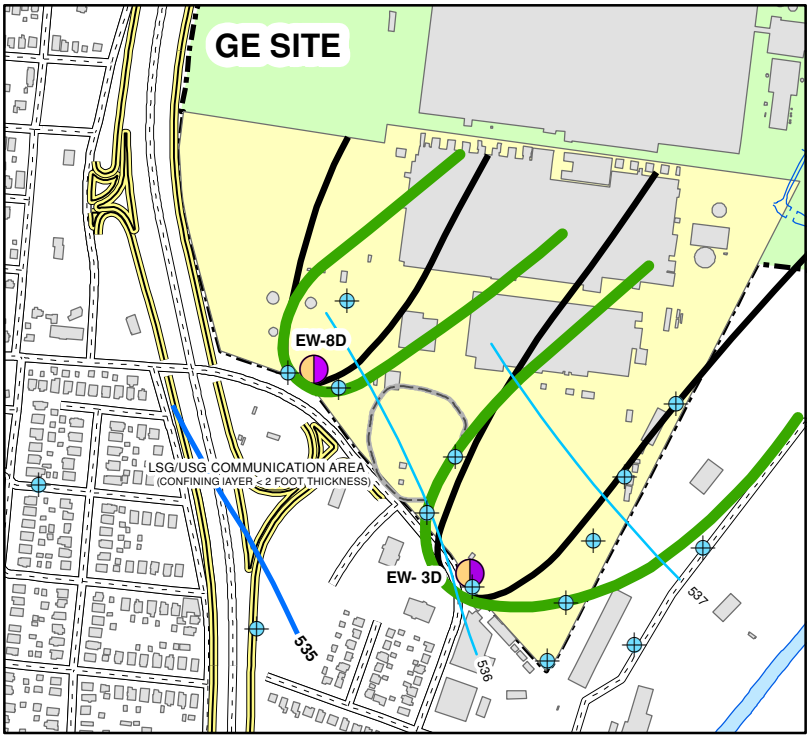


LSG Zone

Design Capture Zone (160 gpm)

Apparent Capture Zone (74 gpm)
1st Qtr 2016

Groundwater Contour (feet)



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GE
EVENDALE, OHIO

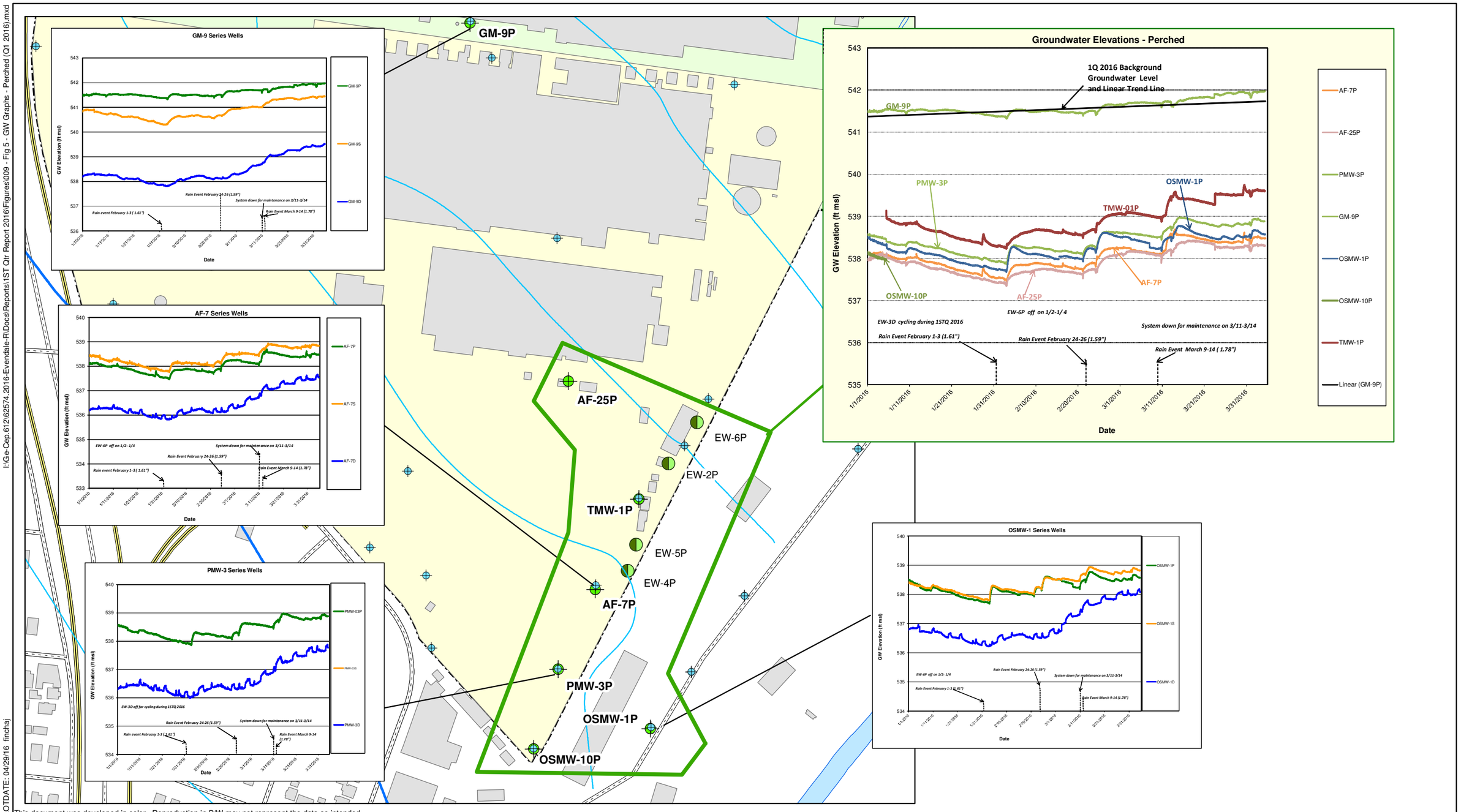
N

LSG
ESTIMATED DRAWDOWN AND CAPTURE ZONE

March 2016
62574.002

0 400 800 1,600
Feet

O'BRIEN & GERE ENGINEERS, INC.



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PLOTDATE: 04/29/16 finchaj

LEGEND

- PERCHED MONITORING WELL
- PERCHED EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS PERCHED ZONE

2016 1st QUARTER

O'BRIEN & GERE ENGINEERS, INC.

March 2016
612/62574-009

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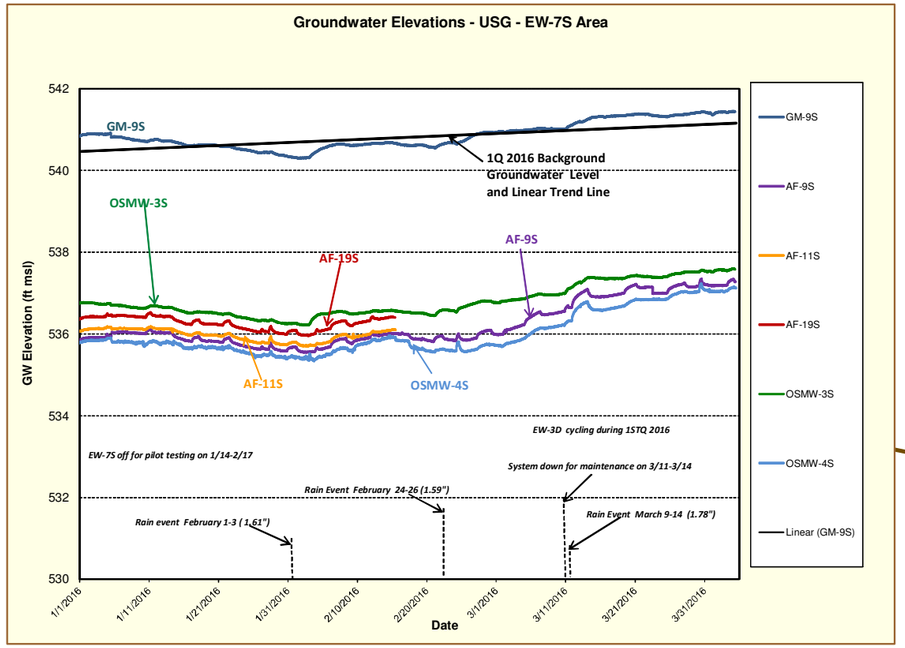
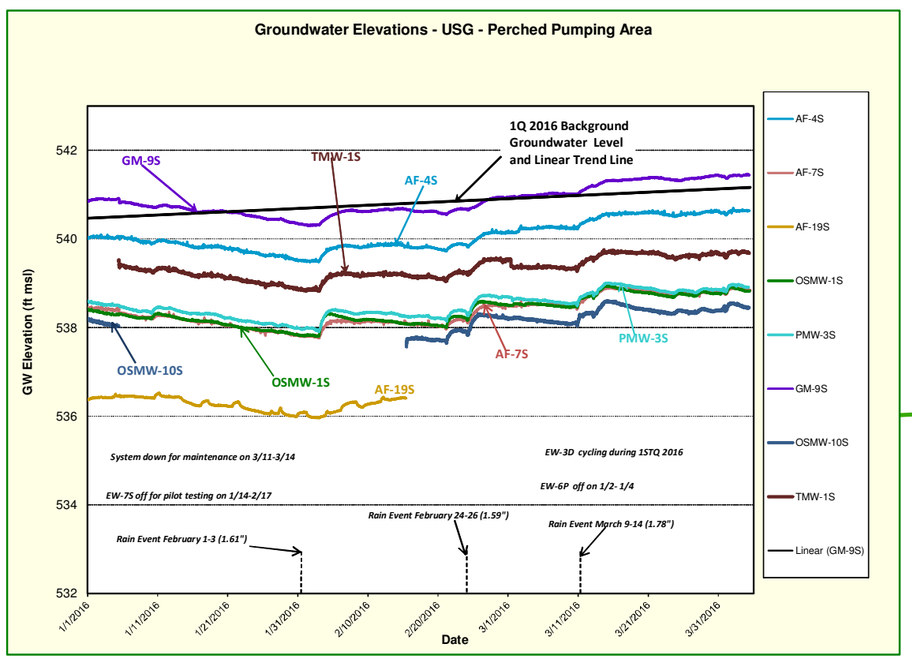
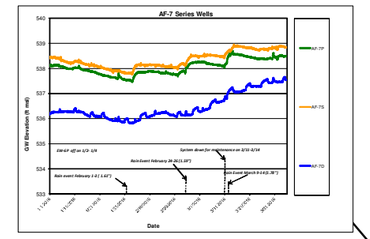
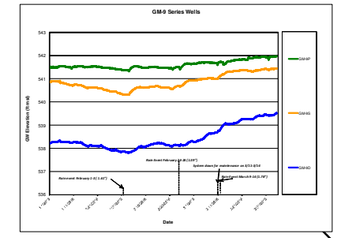
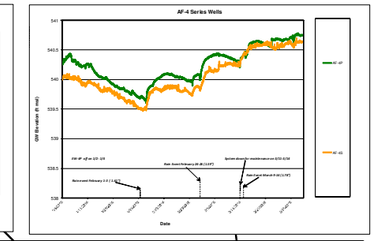
FIGURE 6

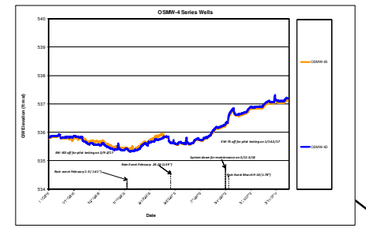


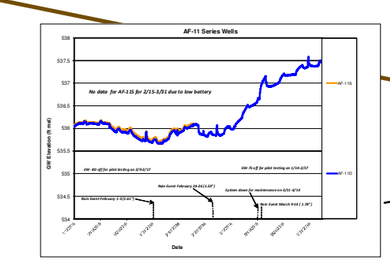


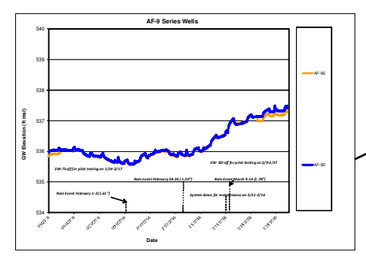


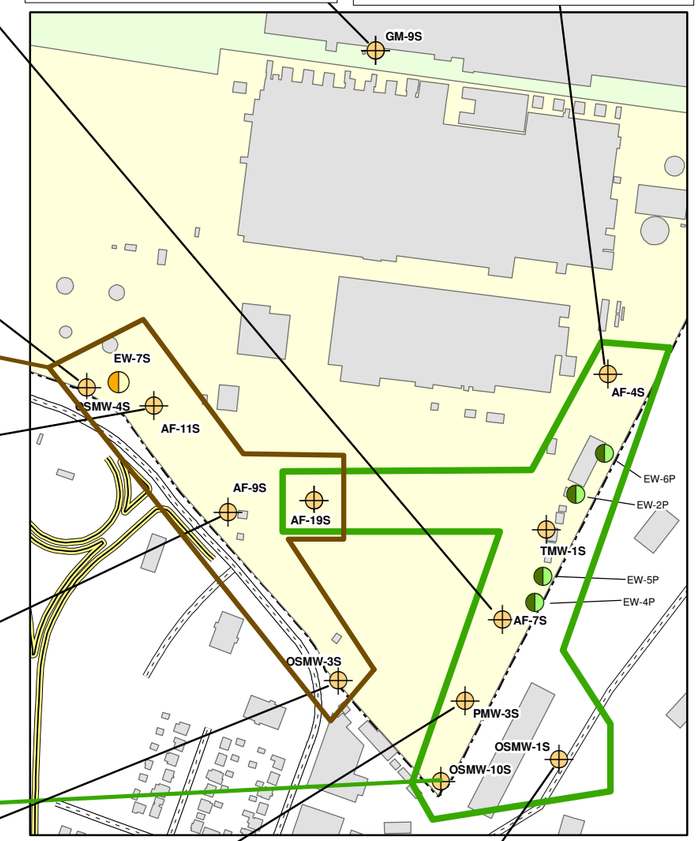


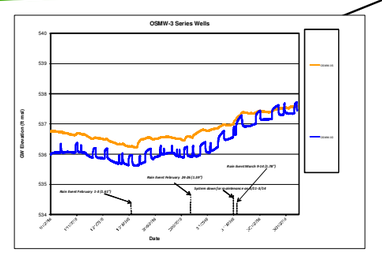


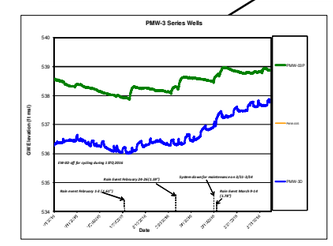


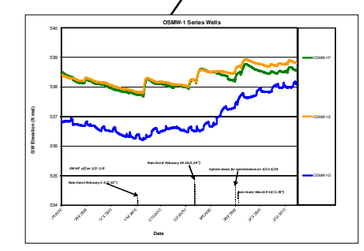












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LEGEND

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

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

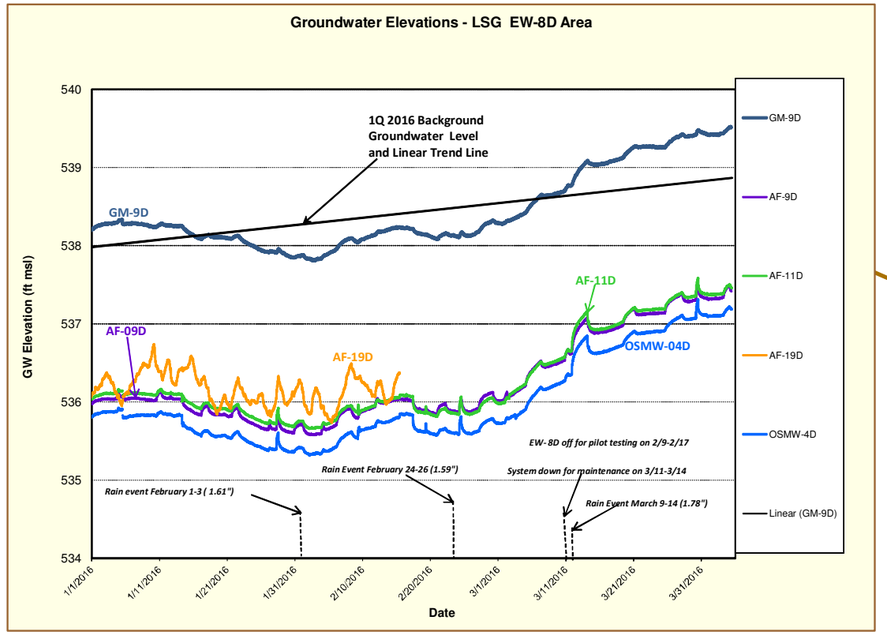
GROUNDWATER ELEVATION HYDROGRAPHS USG

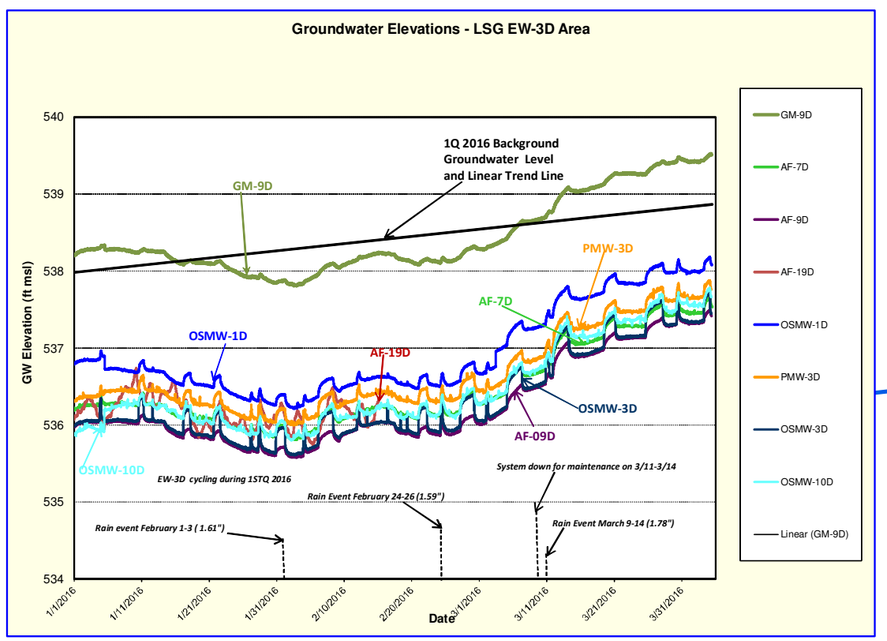
2016 1st QUARTER

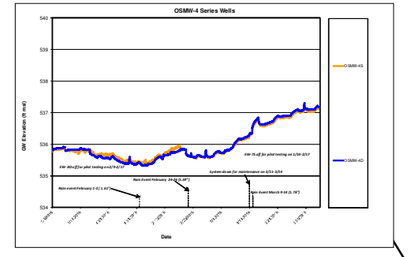
O'BRIEN & GERE ENGINEERS, INC.

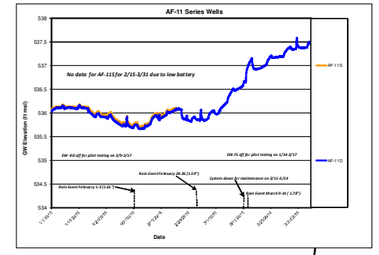
MARCH 2016
612/62574-010

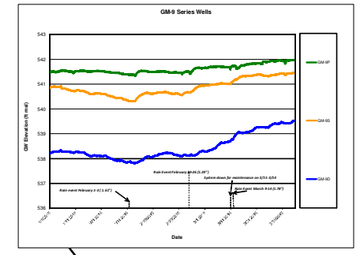
FIGURE 7

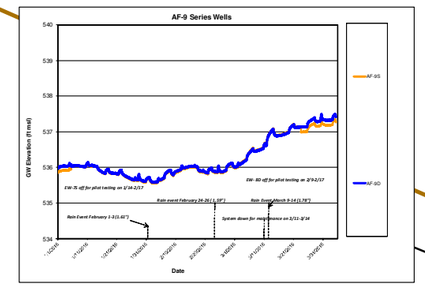


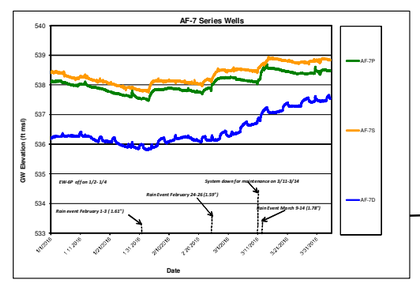


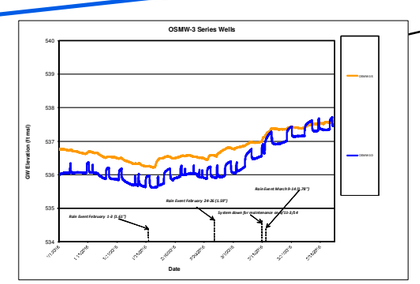


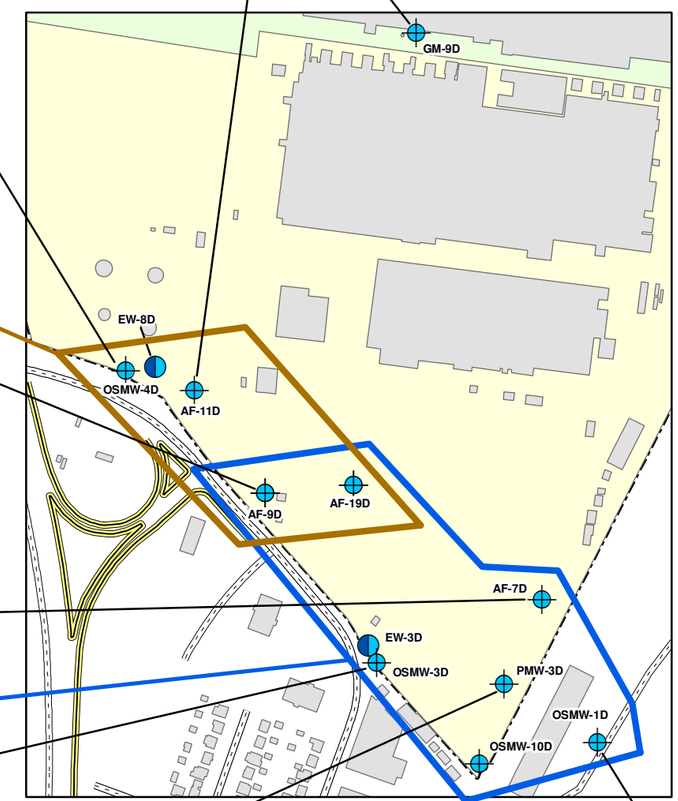


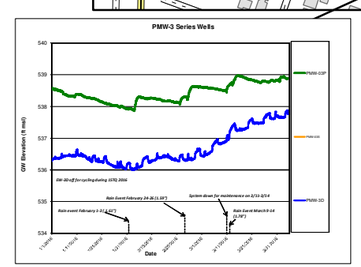


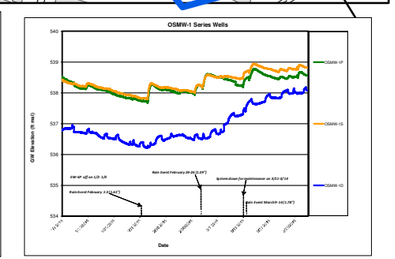












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LEGEND

- LSG MONITORING WELL
- LSG EXTRACTION WELL

GE
EVENDALE, OHIO

0 100 200 400 600 800
Feet

N

GROUNDWATER ELEVATION HYDROGRAPHS LSG

2016 1st QUARTER

O'BRIEN & GERE ENGINEERS, INC.

MARCH 2016
612/62574-011

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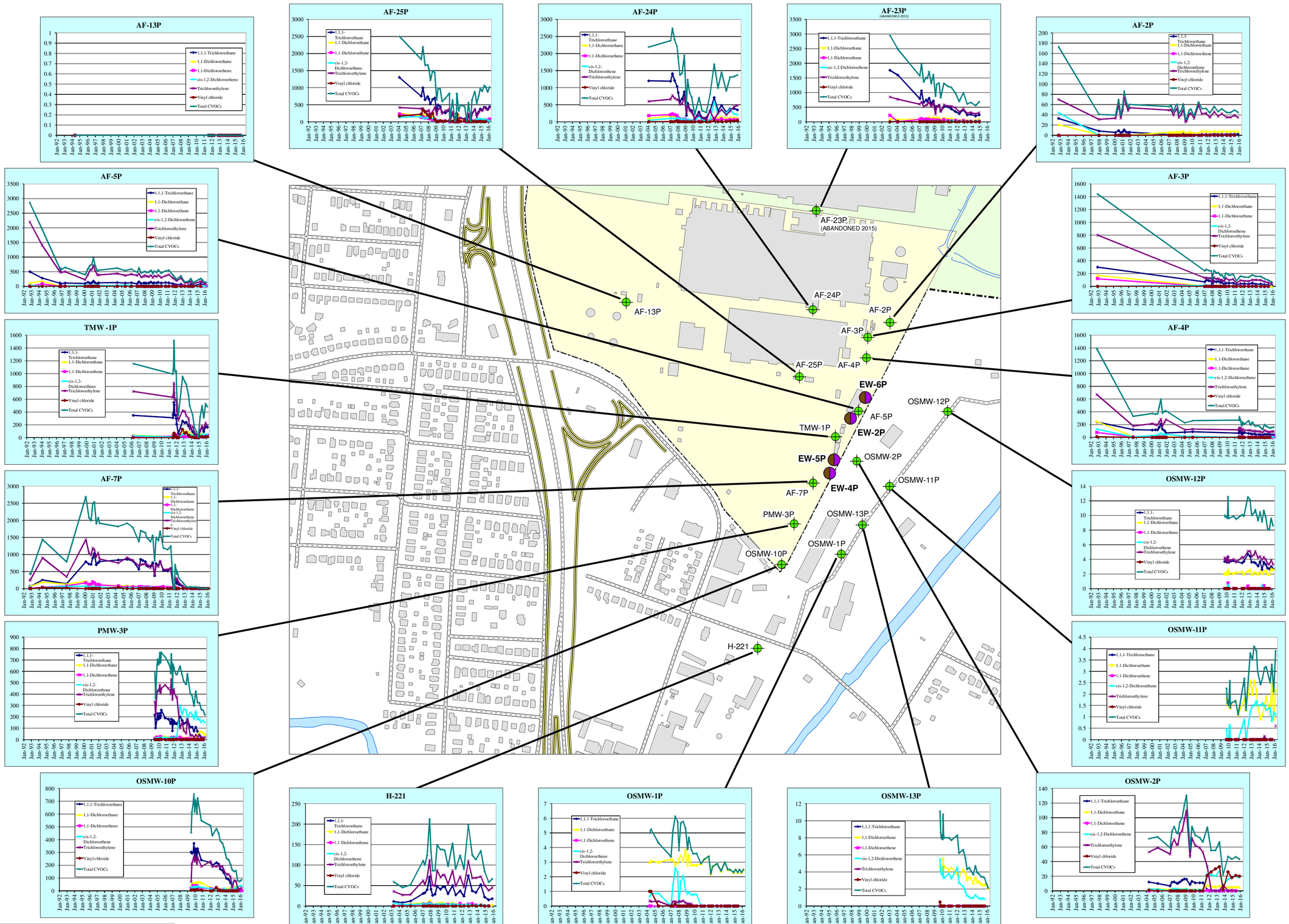

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LEGEND

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

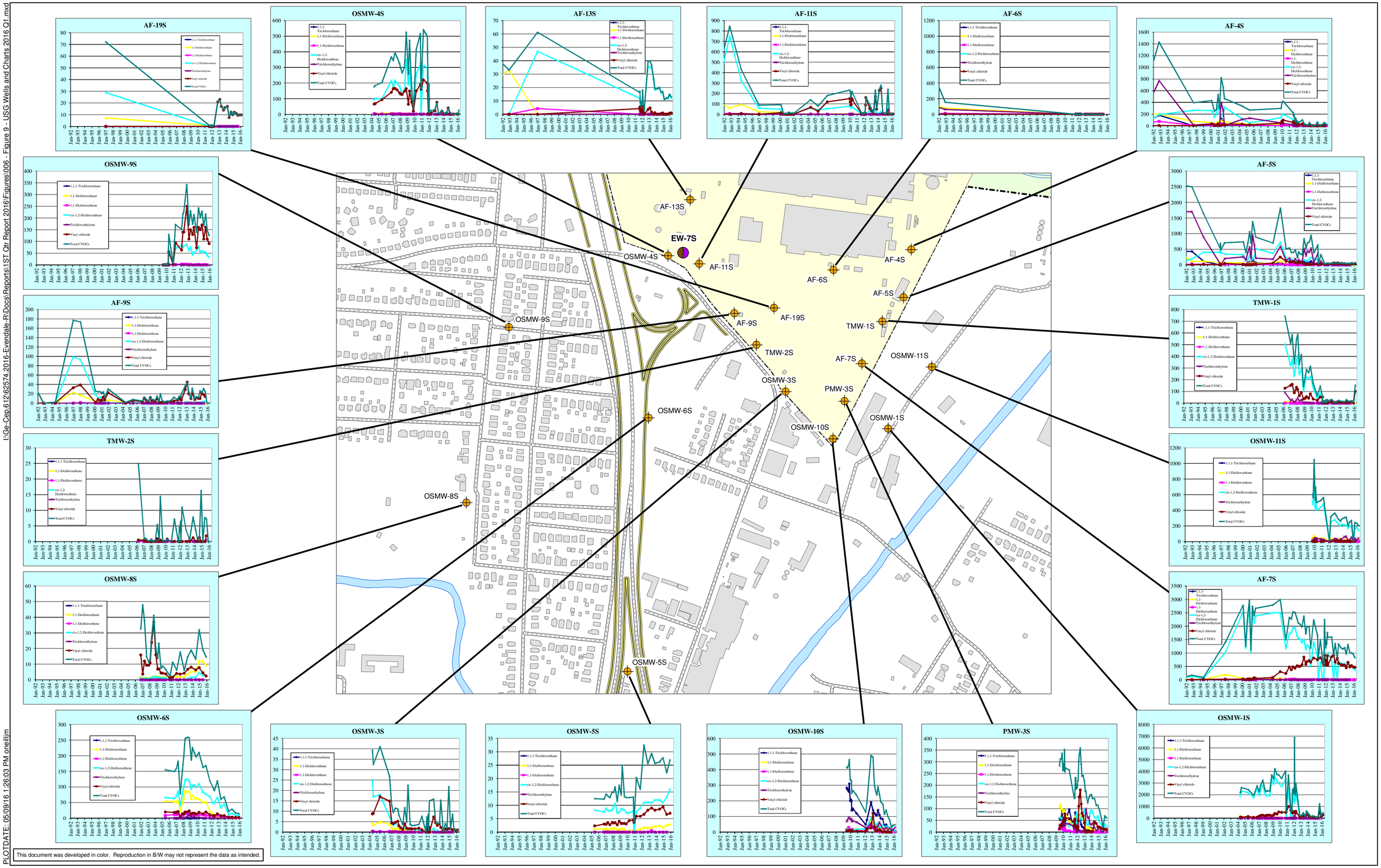
0 250 500 1,000
Feet

N

PERCHED ZONE HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

MARCH 2016
612\60698-005

O'BRIEN & GERE ENGINEERS, INC.



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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

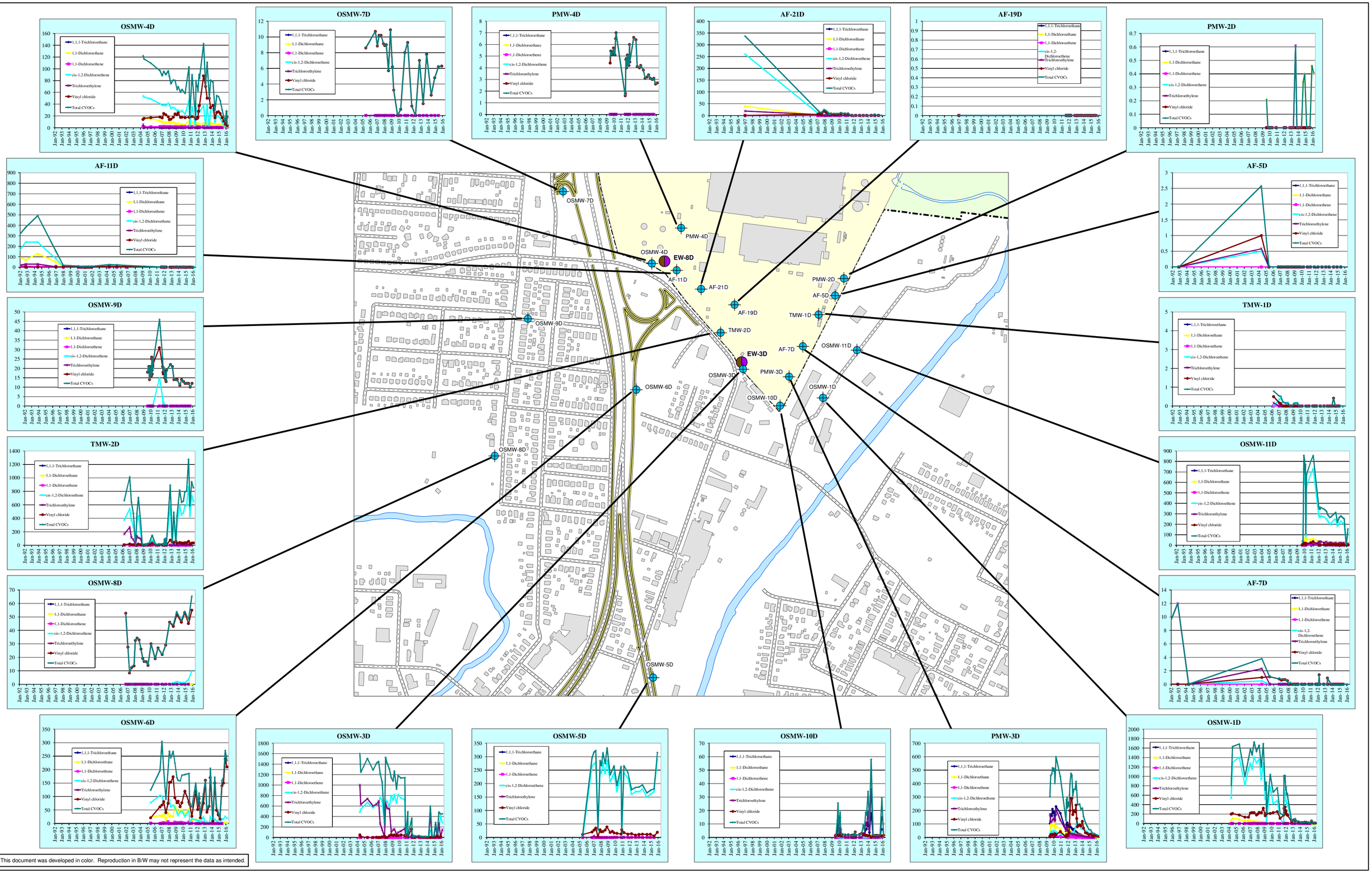
N

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

MARCH 2016
612\60698-006

O'BRIEN & GERE ENGINEERS, INC.

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

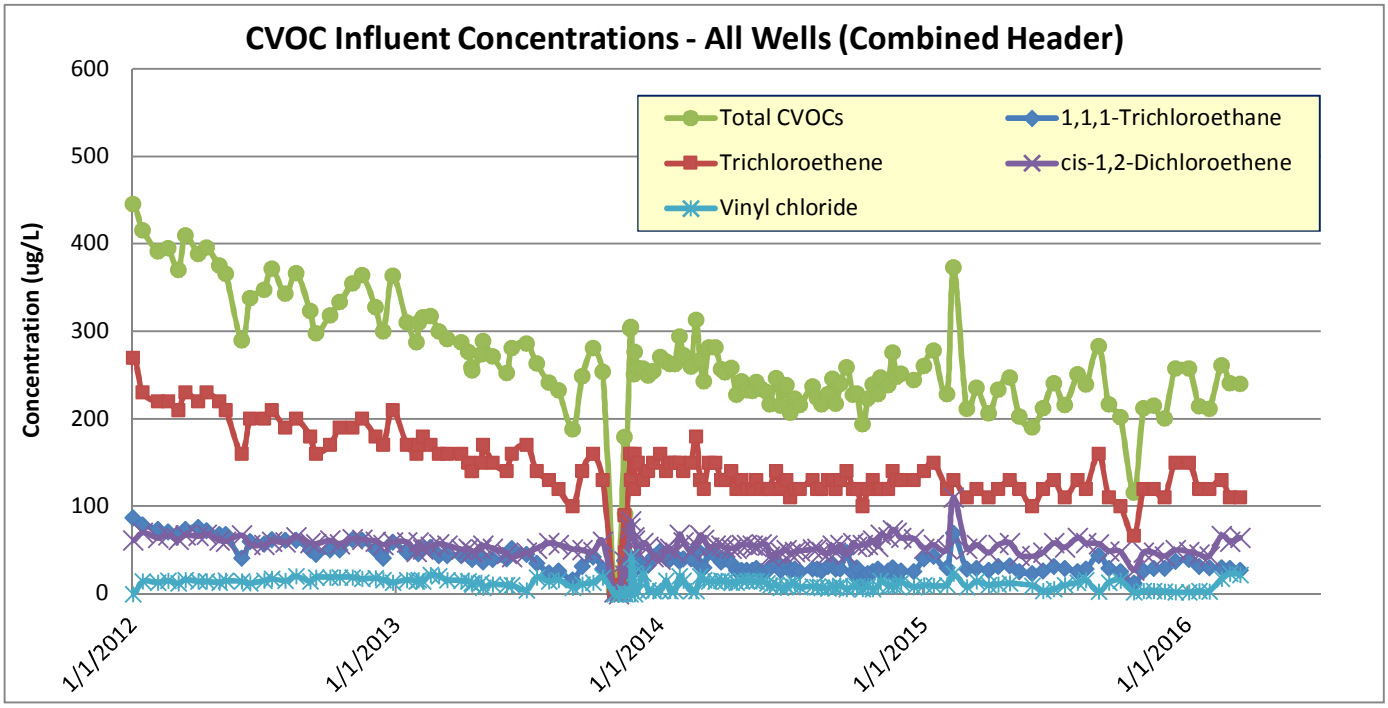
N

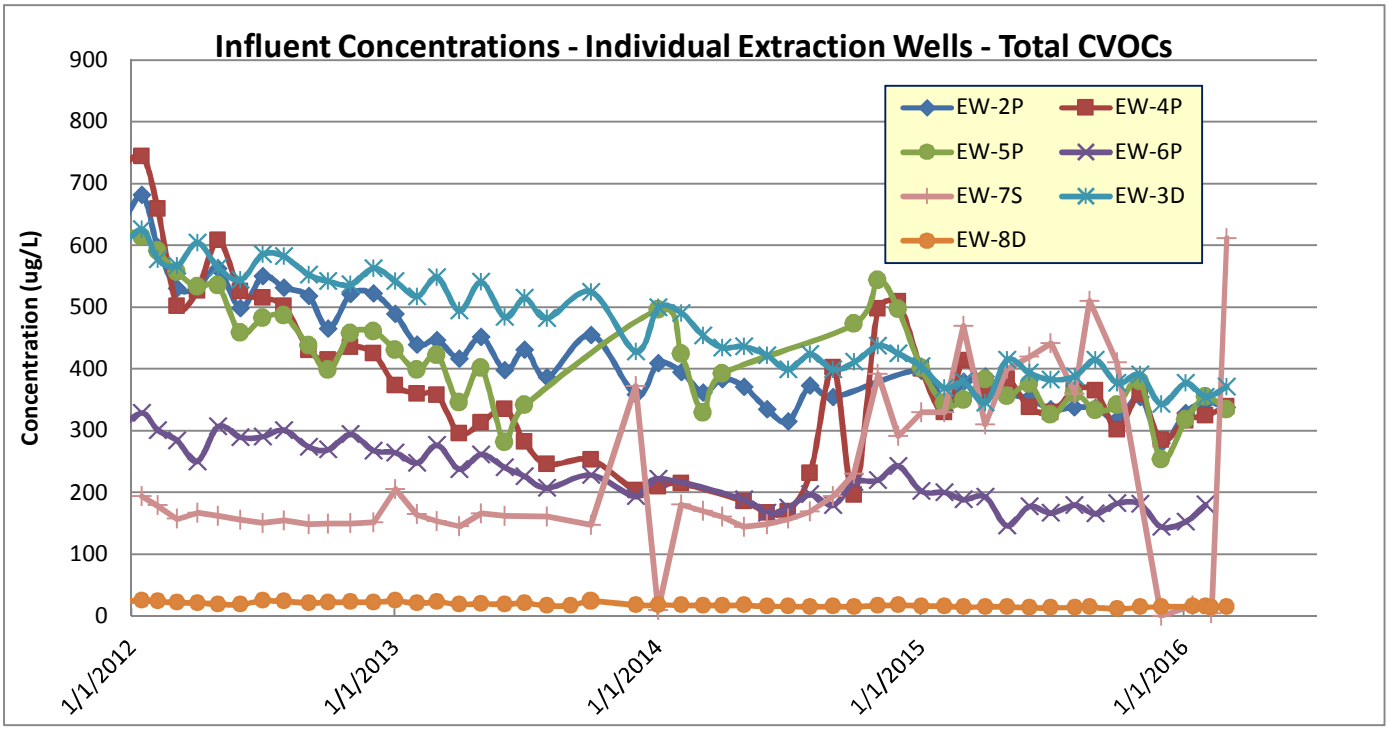
LOWER SAND AND GRAVEL (LSG) HISTORICAL GROUNDWATER ANALYTICAL RESULTS FOR IRM MONITORING WELLS

MARCH 2016
612\60698-007

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 11
Total CVOC Concentration Plots – Extraction Wells





Appendices

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

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 2016 (March 1, 2016 through March 3, 2016). 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 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.
- The surrogate recoveries for the samples were within control limits.
- The continuing calibration verification (CCV) results were within control limits, except for the CCVs associated with batch 290994 due to recovery of 1,1,1-trichloroethane above the upper control limits (*i.e.*, high biased). A reporting limit (RL) standard was analyzed, and the target analyte was not detected. Therefore, because the samples associated with these CCVs were non-detects for the affected analyte, the associated data is usable as reported.
- The laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were within control limits.
- Thirteen samples were diluted to bring the target analytes into the calibration range: AF-5P-030216, AF-7S-030316, AF-25P-030216, OSMW-1S-030316, OSMW-3D-030116, OSMW-6D-030216, OSMW-9SR-030316, OSMW-11S-030316, OSMW-11D-030316, PMW-3P-030116, TMW-1P-030216, TMW-1S-030216 and TMW-2D-030216. Elevated reporting limits are provided.

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: 480-93441-1
TestAmerica Sample Delivery Group: 480-93441-1
Client Project/Site: GE Evendale - 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:
1/12/2016 4:46:34 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@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 11
QC Association Summary 13
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Certification Summary 15
Method Summary 16
Sample Summary 17
Chain of Custody 18
Receipt Checklists 19

Definitions/Glossary

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

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)

Case Narrative

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Job ID: 480-93441-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-93441-1

Comments
No additional comments.

Receipt
The samples were received on 1/5/2016 10:00 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 following samples was diluted to bring the concentration of target analytes within the calibration range: Influent 010416 (480-93441-2) and Mixing Tank 010416 (480-93441-3). 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 - IRM Weekly

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-93441-1

No Detections.

Client Sample ID: Influent 010416 — Lab Sample ID: 480-93441-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	39		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	8.2		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.3		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	48		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.81	J	2.0	0.72	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	150		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.9	J	2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 010416 — Lab Sample ID: 480-93441-3

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	7.4		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	46		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.4		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	130		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 010416 — Lab Sample ID: 480-93441-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.2		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 - IRM Weekly

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Client Sample ID: Trip Blank

Date Collected: 01/04/16 00:00
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93441-1

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			01/08/16 01:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/08/16 01:05	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/08/16 01:05	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/08/16 01:05	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/08/16 01:05	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/08/16 01:05	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/08/16 01:05	1
2-Hexanone	ND		5.0	1.2	ug/L			01/08/16 01:05	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/08/16 01:05	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/08/16 01:05	1
Acetone	ND		10	3.0	ug/L			01/08/16 01:05	1
Benzene	ND		1.0	0.41	ug/L			01/08/16 01:05	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/08/16 01:05	1
Bromoform	ND		1.0	0.26	ug/L			01/08/16 01:05	1
Bromomethane	ND		1.0	0.69	ug/L			01/08/16 01:05	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/08/16 01:05	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/08/16 01:05	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/08/16 01:05	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/08/16 01:05	1
Chloroethane	ND		1.0	0.32	ug/L			01/08/16 01:05	1
Chloroform	ND		1.0	0.34	ug/L			01/08/16 01:05	1
Chloromethane	ND		1.0	0.35	ug/L			01/08/16 01:05	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/08/16 01:05	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/08/16 01:05	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/08/16 01:05	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/08/16 01:05	1
Styrene	ND		1.0	0.73	ug/L			01/08/16 01:05	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/08/16 01:05	1
Toluene	ND		1.0	0.51	ug/L			01/08/16 01:05	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/08/16 01:05	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/08/16 01:05	1
Trichloroethene	ND		1.0	0.46	ug/L			01/08/16 01:05	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/08/16 01:05	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/08/16 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*01/08/16 01:05*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 01:05*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/08/16 01:05*	*1*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*01/08/16 01:05*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Client Sample ID: Influent 010416

Date Collected: 01/04/16 07:45
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93441-2

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	**39**		2.0	1.6	ug/L			01/08/16 02:21	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/08/16 02:21	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/08/16 02:21	2
1,1-Dichloroethane	**8.2**		2.0	0.76	ug/L			01/08/16 02:21	2
1,1-Dichloroethene	**2.3**		2.0	0.58	ug/L			01/08/16 02:21	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/08/16 02:21	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/08/16 02:21	2
2-Hexanone	ND		10	2.5	ug/L			01/08/16 02:21	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/08/16 02:21	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/08/16 02:21	2
Acetone	ND		20	6.0	ug/L			01/08/16 02:21	2
Benzene	ND		2.0	0.82	ug/L			01/08/16 02:21	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/08/16 02:21	2
Bromoform	ND		2.0	0.52	ug/L			01/08/16 02:21	2
Bromomethane	ND		2.0	1.4	ug/L			01/08/16 02:21	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/08/16 02:21	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/08/16 02:21	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/08/16 02:21	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/08/16 02:21	2
Chloroethane	ND		2.0	0.64	ug/L			01/08/16 02:21	2
Chloroform	ND		2.0	0.68	ug/L			01/08/16 02:21	2
Chloromethane	ND		2.0	0.70	ug/L			01/08/16 02:21	2
cis-1,2-Dichloroethene	**48**		2.0	1.6	ug/L			01/08/16 02:21	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/08/16 02:21	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/08/16 02:21	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/08/16 02:21	2
Styrene	ND		2.0	1.5	ug/L			01/08/16 02:21	2
Tetrachloroethene	**0.81**	**J**	2.0	0.72	ug/L			01/08/16 02:21	2
Toluene	ND		2.0	1.0	ug/L			01/08/16 02:21	2
trans-1,2-Dichloroethene	**7.0**		2.0	1.8	ug/L			01/08/16 02:21	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/08/16 02:21	2
Trichloroethene	**150**		2.0	0.92	ug/L			01/08/16 02:21	2
Vinyl chloride	**1.9**	**J**	2.0	1.8	ug/L			01/08/16 02:21	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/08/16 02:21	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*01/08/16 02:21*	*2*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 02:21*	*2*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/08/16 02:21*	*2*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*01/08/16 02:21*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Client Sample ID: Mixing Tank 010416

Lab Sample ID: 480-93441-3

Date Collected: 01/04/16 07:40
Matrix: Water
Date Received: 01/05/16 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	**34**		2.0	1.6	ug/L			01/08/16 01:55	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/08/16 01:55	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/08/16 01:55	2
1,1-Dichloroethane	**7.4**		2.0	0.76	ug/L			01/08/16 01:55	2
1,1-Dichloroethene	**2.2**		2.0	0.58	ug/L			01/08/16 01:55	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/08/16 01:55	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/08/16 01:55	2
2-Hexanone	ND		10	2.5	ug/L			01/08/16 01:55	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/08/16 01:55	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/08/16 01:55	2
Acetone	ND		20	6.0	ug/L			01/08/16 01:55	2
Benzene	ND		2.0	0.82	ug/L			01/08/16 01:55	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/08/16 01:55	2
Bromoform	ND		2.0	0.52	ug/L			01/08/16 01:55	2
Bromomethane	ND		2.0	1.4	ug/L			01/08/16 01:55	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/08/16 01:55	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/08/16 01:55	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/08/16 01:55	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/08/16 01:55	2
Chloroethane	ND		2.0	0.64	ug/L			01/08/16 01:55	2
Chloroform	ND		2.0	0.68	ug/L			01/08/16 01:55	2
Chloromethane	ND		2.0	0.70	ug/L			01/08/16 01:55	2
cis-1,2-Dichloroethene	**46**		2.0	1.6	ug/L			01/08/16 01:55	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/08/16 01:55	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/08/16 01:55	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/08/16 01:55	2
Styrene	ND		2.0	1.5	ug/L			01/08/16 01:55	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/08/16 01:55	2
Toluene	ND		2.0	1.0	ug/L			01/08/16 01:55	2
trans-1,2-Dichloroethene	**6.4**		2.0	1.8	ug/L			01/08/16 01:55	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/08/16 01:55	2
Trichloroethene	**130**		2.0	0.92	ug/L			01/08/16 01:55	2
Vinyl chloride	ND		2.0	1.8	ug/L			01/08/16 01:55	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/08/16 01:55	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*01/08/16 01:55*	*2*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 01:55*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*01/08/16 01:55*	*2*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*01/08/16 01:55*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Client Sample ID: Effluent 010416

Date Collected: 01/04/16 07:30
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93441-4

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	ND		1.0	0.82	ug/L			01/08/16 01:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/08/16 01:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/08/16 01:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/08/16 01:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/08/16 01:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/08/16 01:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/08/16 01:30	1
2-Hexanone	ND		5.0	1.2	ug/L			01/08/16 01:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/08/16 01:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/08/16 01:30	1
Acetone	ND		10	3.0	ug/L			01/08/16 01:30	1
Benzene	ND		1.0	0.41	ug/L			01/08/16 01:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/08/16 01:30	1
Bromoform	ND		1.0	0.26	ug/L			01/08/16 01:30	1
Bromomethane	ND		1.0	0.69	ug/L			01/08/16 01:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/08/16 01:30	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/08/16 01:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/08/16 01:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/08/16 01:30	1
Chloroethane	ND		1.0	0.32	ug/L			01/08/16 01:30	1
Chloroform	ND		1.0	0.34	ug/L			01/08/16 01:30	1
Chloromethane	ND		1.0	0.35	ug/L			01/08/16 01:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/08/16 01:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/08/16 01:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/08/16 01:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/08/16 01:30	1
Styrene	ND		1.0	0.73	ug/L			01/08/16 01:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/08/16 01:30	1
Toluene	ND		1.0	0.51	ug/L			01/08/16 01:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/08/16 01:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/08/16 01:30	1
Trichloroethene	**1.2**		1.0	0.46	ug/L			01/08/16 01:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/08/16 01:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/08/16 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*01/08/16 01:30*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*01/08/16 01:30*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/08/16 01:30*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*01/08/16 01:30*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-93441-1	Trip Blank	98	101	111	108
480-93441-2	Influent 010416	96	101	111	106
480-93441-3	Mixing Tank 010416	97	101	108	105
480-93441-4	Effluent 010416	97	102	111	106
LCS 480-282707/4	Lab Control Sample	94	104	116	104
MB 480-282707/6	Method Blank	92	100	106	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

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

Lab Sample ID: MB 480-282707/6
Matrix: Water
Analysis Batch: 282707

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			01/07/16 22:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/07/16 22:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/07/16 22:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/07/16 22:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/07/16 22:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/07/16 22:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/07/16 22:20	1
2-Hexanone	ND		5.0	1.2	ug/L			01/07/16 22:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/07/16 22:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/07/16 22:20	1
Acetone	ND		10	3.0	ug/L			01/07/16 22:20	1
Benzene	ND		1.0	0.41	ug/L			01/07/16 22:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/07/16 22:20	1
Bromoform	ND		1.0	0.26	ug/L			01/07/16 22:20	1
Bromomethane	ND		1.0	0.69	ug/L			01/07/16 22:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/07/16 22:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/07/16 22:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/07/16 22:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/07/16 22:20	1
Chloroethane	ND		1.0	0.32	ug/L			01/07/16 22:20	1
Chloroform	ND		1.0	0.34	ug/L			01/07/16 22:20	1
Chloromethane	ND		1.0	0.35	ug/L			01/07/16 22:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/07/16 22:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/07/16 22:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/07/16 22:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/16 22:20	1
Styrene	ND		1.0	0.73	ug/L			01/07/16 22:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/16 22:20	1
Toluene	ND		1.0	0.51	ug/L			01/07/16 22:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/16 22:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/07/16 22:20	1
Trichloroethene	ND		1.0	0.46	ug/L			01/07/16 22:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/07/16 22:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/07/16 22:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*01/07/16 22:20*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*01/07/16 22:20*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*01/07/16 22:20*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*01/07/16 22:20*	*1*

Lab Sample ID: LCS 480-282707/4
Matrix: Water
Analysis Batch: 282707

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	22.9		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	70 - 126

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

Lab Sample ID: LCS 480-282707/4
Matrix: Water
Analysis Batch: 282707

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	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	24.1		ug/L		96	58 - 121
1,2-Dichloroethane	25.0	21.9		ug/L		87	75 - 127
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
2-Hexanone	125	105		ug/L		84	65 - 127
2-Butanone (MEK)	125	108		ug/L		86	57 - 140
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	99.1		ug/L		79	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		97	80 - 122
Bromoform	25.0	26.3		ug/L		105	52 - 132
Bromomethane	25.0	26.4		ug/L		106	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		96	72 - 134
Chlorobenzene	25.0	25.9		ug/L		103	72 - 120
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125
Chloroethane	25.0	25.4		ug/L		102	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	20.6		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
Methylene Chloride	25.0	27.0		ug/L		108	57 - 132
Styrene	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	24.9		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	72 - 123
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133
Xylenes, Total	50.0	50.7		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
Toluene-d8 (Surr)	*104*		*71 - 126*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

GC/MS VOA

Analysis Batch: 282707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93441-1	Trip Blank	Total/NA	Water	8260C	
480-93441-2	Influent 010416	Total/NA	Water	8260C	
480-93441-3	Mixing Tank 010416	Total/NA	Water	8260C	
480-93441-4	Effluent 010416	Total/NA	Water	8260C	
LCS 480-282707/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-282707/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-93441-1

Date Collected: 01/04/16 00:00 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	282707	01/08/16 01:05	GTG	TAL BUF

Client Sample ID: Influent 010416 — Lab Sample ID: 480-93441-2

Date Collected: 01/04/16 07:45 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	282707	01/08/16 02:21	GTG	TAL BUF

Client Sample ID: Mixing Tank 010416 — Lab Sample ID: 480-93441-3

Date Collected: 01/04/16 07:40 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	282707	01/08/16 01:55	GTG	TAL BUF

Client Sample ID: Effluent 010416 — Lab Sample ID: 480-93441-4

Date Collected: 01/04/16 07:30 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	282707	01/08/16 01:30	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

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

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

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 - IRM Weekly

TestAmerica Job ID: 480-93441-1
SDG: 480-93441-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-93441-1	Trip Blank	Water	01/04/16 00:00	01/05/16 10:00
480-93441-2	Influent 010416	Water	01/04/16 07:45	01/05/16 10:00
480-93441-3	Mixing Tank 010416	Water	01/04/16 07:40	01/05/16 10:00
480-93441-4	Effluent 010416	Water	01/04/16 07:30	01/05/16 10:00

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAm

THE LEADER IN ENVIRON

480-93441 Chain of Custody

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 1-4-16	Chain of Custody Number: 291610
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	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	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC's (8260B)
Trip Blank	1-4-16			X						2			X
Influent 010416	↓	7:45		X						3			X
Mixing Tank 010416	↓	7:40		X						3			X
Effluent 010416	↓	7:30		X						3			X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Cincinnati

210501

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	1-4-16	12:47	1. Received By: [illegible]	1/4/16	1247
2. Relinquished By: [illegible]	1/4/16	1247	2. Received By: [illegible]	1/5/16	10:00
3. Relinquished By:			3. Received By:		

Comments: #2 3.0

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: 480-93441-1
SDG Number: 480-93441-1

Login Number: 93441
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.	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	
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: 480-93454-1
TestAmerica Sample Delivery Group: 480-93454-1
Client Project/Site: GE Evendale - IRM Monthly

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:
1/12/2016 5:25:41 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@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 Evendale - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

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)

Case Narrative

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Job ID: 480-93454-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-93454-1

Comments
No additional comments.

Receipt
The samples were received on 1/5/2016 10:00 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 following samples was diluted to bring the concentration of target analytes within the calibration range: EW-3D 010416 (480-93454-1), EW-3D 010416 MS (480-93454-1[MS]), EW-3D 010416 MSD (480-93454-1[MSD]), EW-4P 010416 (480-93454-2), EW-5P 010416 (480-93454-3), EW-2P 010416 (480-93454-4), EW-6P 010416 (480-93454-5) and ADP-100 010416 (480-93454-6). 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 - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-3D 010416 — Lab Sample ID: 480-93454-1

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	27		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	200		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW-4P 010416 — Lab Sample ID: 480-93454-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	81		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	7.6		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	180		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 010416 — Lab Sample ID: 480-93454-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	82		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	22		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	7.7		5.0	1.5	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	26		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	180		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW-2P 010416 — Lab Sample ID: 480-93454-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	90		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	9.7		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	5.1		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	1.9	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	14		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	210		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW-6P 010416 — Lab Sample ID: 480-93454-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.0		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
cis-1,2-Dichloroethene	12		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.1	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.4		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 010416 — Lab Sample ID: 480-93454-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	29		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.7		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.3	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	11		2.0	1.6	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 Evendale - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: ADP-100 010416 (Continued) — Lab Sample ID: 480-93454-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.2	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.2		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 Evendale - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-3D 010416

Date Collected: 01/04/16 08:45
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93454-1

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		4.0	3.3	ug/L			01/08/16 02:46	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/08/16 02:46	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/08/16 02:46	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			01/08/16 02:46	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			01/08/16 02:46	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/08/16 02:46	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/08/16 02:46	4
2-Hexanone	ND		20	5.0	ug/L			01/08/16 02:46	4
2-Butanone (MEK)	ND		40	5.3	ug/L			01/08/16 02:46	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/08/16 02:46	4
Acetone	ND		40	12	ug/L			01/08/16 02:46	4
Benzene	ND		4.0	1.6	ug/L			01/08/16 02:46	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/08/16 02:46	4
Bromoform	ND		4.0	1.0	ug/L			01/08/16 02:46	4
Bromomethane	ND		4.0	2.8	ug/L			01/08/16 02:46	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/08/16 02:46	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/08/16 02:46	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/08/16 02:46	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/08/16 02:46	4
Chloroethane	ND		4.0	1.3	ug/L			01/08/16 02:46	4
Chloroform	ND		4.0	1.4	ug/L			01/08/16 02:46	4
Chloromethane	ND		4.0	1.4	ug/L			01/08/16 02:46	4
cis-1,2-Dichloroethene	**150**		4.0	3.2	ug/L			01/08/16 02:46	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/08/16 02:46	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/08/16 02:46	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/08/16 02:46	4
Styrene	ND		4.0	2.9	ug/L			01/08/16 02:46	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/08/16 02:46	4
Toluene	ND		4.0	2.0	ug/L			01/08/16 02:46	4
trans-1,2-Dichloroethene	**27**		4.0	3.6	ug/L			01/08/16 02:46	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/08/16 02:46	4
Trichloroethene	**200**		4.0	1.8	ug/L			01/08/16 02:46	4
Vinyl chloride	ND		4.0	3.6	ug/L			01/08/16 02:46	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/08/16 02:46	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*66 - 137*		*01/08/16 02:46*	*4*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 02:46*	*4*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*01/08/16 02:46*	*4*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*01/08/16 02:46*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-4P 010416

Date Collected: 01/04/16 08:35
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93454-2

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	**81**		4.0	3.3	ug/L			01/08/16 03:12	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			01/08/16 03:12	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			01/08/16 03:12	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			01/08/16 03:12	4
1,1-Dichloroethene	**7.6**		4.0	1.2	ug/L			01/08/16 03:12	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			01/08/16 03:12	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			01/08/16 03:12	4
2-Hexanone	ND		20	5.0	ug/L			01/08/16 03:12	4
2-Butanone (MEK)	ND		40	5.3	ug/L			01/08/16 03:12	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			01/08/16 03:12	4
Acetone	ND		40	12	ug/L			01/08/16 03:12	4
Benzene	ND		4.0	1.6	ug/L			01/08/16 03:12	4
Bromodichloromethane	ND		4.0	1.6	ug/L			01/08/16 03:12	4
Bromoform	ND		4.0	1.0	ug/L			01/08/16 03:12	4
Bromomethane	ND		4.0	2.8	ug/L			01/08/16 03:12	4
Carbon disulfide	ND		4.0	0.76	ug/L			01/08/16 03:12	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			01/08/16 03:12	4
Chlorobenzene	ND		4.0	3.0	ug/L			01/08/16 03:12	4
Dibromochloromethane	ND		4.0	1.3	ug/L			01/08/16 03:12	4
Chloroethane	ND		4.0	1.3	ug/L			01/08/16 03:12	4
Chloroform	ND		4.0	1.4	ug/L			01/08/16 03:12	4
Chloromethane	ND		4.0	1.4	ug/L			01/08/16 03:12	4
cis-1,2-Dichloroethene	**26**		4.0	3.2	ug/L			01/08/16 03:12	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			01/08/16 03:12	4
Ethylbenzene	ND		4.0	3.0	ug/L			01/08/16 03:12	4
Methylene Chloride	ND		4.0	1.8	ug/L			01/08/16 03:12	4
Styrene	ND		4.0	2.9	ug/L			01/08/16 03:12	4
Tetrachloroethene	ND		4.0	1.4	ug/L			01/08/16 03:12	4
Toluene	ND		4.0	2.0	ug/L			01/08/16 03:12	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			01/08/16 03:12	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			01/08/16 03:12	4
Trichloroethene	**180**		4.0	1.8	ug/L			01/08/16 03:12	4
Vinyl chloride	ND		4.0	3.6	ug/L			01/08/16 03:12	4
Xylenes, Total	ND		8.0	2.6	ug/L			01/08/16 03:12	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*01/08/16 03:12*	*4*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 03:12*	*4*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*01/08/16 03:12*	*4*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*01/08/16 03:12*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-5P 010416

Date Collected: 01/04/16 08:30
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93454-3

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	**82**		5.0	4.1	ug/L			01/08/16 03:37	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			01/08/16 03:37	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			01/08/16 03:37	5
1,1-Dichloroethane	**22**		5.0	1.9	ug/L			01/08/16 03:37	5
1,1-Dichloroethene	**7.7**		5.0	1.5	ug/L			01/08/16 03:37	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			01/08/16 03:37	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			01/08/16 03:37	5
2-Hexanone	ND		25	6.2	ug/L			01/08/16 03:37	5
2-Butanone (MEK)	ND		50	6.6	ug/L			01/08/16 03:37	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			01/08/16 03:37	5
Acetone	ND		50	15	ug/L			01/08/16 03:37	5
Benzene	ND		5.0	2.1	ug/L			01/08/16 03:37	5
Bromodichloromethane	ND		5.0	2.0	ug/L			01/08/16 03:37	5
Bromoform	ND		5.0	1.3	ug/L			01/08/16 03:37	5
Bromomethane	ND		5.0	3.5	ug/L			01/08/16 03:37	5
Carbon disulfide	ND		5.0	0.95	ug/L			01/08/16 03:37	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			01/08/16 03:37	5
Chlorobenzene	ND		5.0	3.8	ug/L			01/08/16 03:37	5
Dibromochloromethane	ND		5.0	1.6	ug/L			01/08/16 03:37	5
Chloroethane	ND		5.0	1.6	ug/L			01/08/16 03:37	5
Chloroform	ND		5.0	1.7	ug/L			01/08/16 03:37	5
Chloromethane	ND		5.0	1.8	ug/L			01/08/16 03:37	5
cis-1,2-Dichloroethene	**26**		5.0	4.1	ug/L			01/08/16 03:37	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			01/08/16 03:37	5
Ethylbenzene	ND		5.0	3.7	ug/L			01/08/16 03:37	5
Methylene Chloride	ND		5.0	2.2	ug/L			01/08/16 03:37	5
Styrene	ND		5.0	3.7	ug/L			01/08/16 03:37	5
Tetrachloroethene	ND		5.0	1.8	ug/L			01/08/16 03:37	5
Toluene	ND		5.0	2.6	ug/L			01/08/16 03:37	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			01/08/16 03:37	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			01/08/16 03:37	5
Trichloroethene	**180**		5.0	2.3	ug/L			01/08/16 03:37	5
Vinyl chloride	ND		5.0	4.5	ug/L			01/08/16 03:37	5
Xylenes, Total	ND		10	3.3	ug/L			01/08/16 03:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*01/08/16 03:37*	*5*
Toluene-d8 (Surr)	*102*		*71 - 126*		*01/08/16 03:37*	*5*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*		*01/08/16 03:37*	*5*
Dibromofluoromethane (Surr)	*108*		*60 - 140*		*01/08/16 03:37*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-2P 010416

Date Collected: 01/04/16 08:20
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93454-4

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	**90**		5.0	4.1	ug/L			01/08/16 04:03	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			01/08/16 04:03	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			01/08/16 04:03	5
1,1-Dichloroethane	**9.7**		5.0	1.9	ug/L			01/08/16 04:03	5
1,1-Dichloroethene	**5.1**		5.0	1.5	ug/L			01/08/16 04:03	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			01/08/16 04:03	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			01/08/16 04:03	5
2-Hexanone	ND		25	6.2	ug/L			01/08/16 04:03	5
2-Butanone (MEK)	ND		50	6.6	ug/L			01/08/16 04:03	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			01/08/16 04:03	5
Acetone	ND		50	15	ug/L			01/08/16 04:03	5
Benzene	ND		5.0	2.1	ug/L			01/08/16 04:03	5
Bromodichloromethane	ND		5.0	2.0	ug/L			01/08/16 04:03	5
Bromoform	ND		5.0	1.3	ug/L			01/08/16 04:03	5
Bromomethane	ND		5.0	3.5	ug/L			01/08/16 04:03	5
Carbon disulfide	ND		5.0	0.95	ug/L			01/08/16 04:03	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			01/08/16 04:03	5
Chlorobenzene	ND		5.0	3.8	ug/L			01/08/16 04:03	5
Dibromochloromethane	ND		5.0	1.6	ug/L			01/08/16 04:03	5
Chloroethane	ND		5.0	1.6	ug/L			01/08/16 04:03	5
Chloroform	**1.9**	**J**	5.0	1.7	ug/L			01/08/16 04:03	5
Chloromethane	ND		5.0	1.8	ug/L			01/08/16 04:03	5
cis-1,2-Dichloroethene	**14**		5.0	4.1	ug/L			01/08/16 04:03	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			01/08/16 04:03	5
Ethylbenzene	ND		5.0	3.7	ug/L			01/08/16 04:03	5
Methylene Chloride	ND		5.0	2.2	ug/L			01/08/16 04:03	5
Styrene	ND		5.0	3.7	ug/L			01/08/16 04:03	5
Tetrachloroethene	ND		5.0	1.8	ug/L			01/08/16 04:03	5
Toluene	ND		5.0	2.6	ug/L			01/08/16 04:03	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			01/08/16 04:03	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			01/08/16 04:03	5
Trichloroethene	**210**		5.0	2.3	ug/L			01/08/16 04:03	5
Vinyl chloride	ND		5.0	4.5	ug/L			01/08/16 04:03	5
Xylenes, Total	ND		10	3.3	ug/L			01/08/16 04:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*01/08/16 04:03*	*5*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 04:03*	*5*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*		*01/08/16 04:03*	*5*
Dibromofluoromethane (Surr)	*110*		*60 - 140*		*01/08/16 04:03*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-6P 010416

Lab Sample ID: 480-93454-5

Date Collected: 01/04/16 08:12
Matrix: Water
Date Received: 01/05/16 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	**30**		2.0	1.6	ug/L			01/08/16 04:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/08/16 04:28	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/08/16 04:28	2
1,1-Dichloroethane	**6.0**		2.0	0.76	ug/L			01/08/16 04:28	2
1,1-Dichloroethene	**1.4**	**J**	2.0	0.58	ug/L			01/08/16 04:28	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/08/16 04:28	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/08/16 04:28	2
2-Hexanone	ND		10	2.5	ug/L			01/08/16 04:28	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/08/16 04:28	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/08/16 04:28	2
Acetone	ND		20	6.0	ug/L			01/08/16 04:28	2
Benzene	ND		2.0	0.82	ug/L			01/08/16 04:28	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/08/16 04:28	2
Bromoform	ND		2.0	0.52	ug/L			01/08/16 04:28	2
Bromomethane	ND		2.0	1.4	ug/L			01/08/16 04:28	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/08/16 04:28	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/08/16 04:28	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/08/16 04:28	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/08/16 04:28	2
Chloroethane	ND		2.0	0.64	ug/L			01/08/16 04:28	2
Chloroform	ND		2.0	0.68	ug/L			01/08/16 04:28	2
Chloromethane	ND		2.0	0.70	ug/L			01/08/16 04:28	2
cis-1,2-Dichloroethene	**12**		2.0	1.6	ug/L			01/08/16 04:28	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/08/16 04:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/08/16 04:28	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/08/16 04:28	2
Styrene	ND		2.0	1.5	ug/L			01/08/16 04:28	2
Tetrachloroethene	**1.1**	**J**	2.0	0.72	ug/L			01/08/16 04:28	2
Toluene	ND		2.0	1.0	ug/L			01/08/16 04:28	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/08/16 04:28	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/08/16 04:28	2
Trichloroethene	**100**		2.0	0.92	ug/L			01/08/16 04:28	2
Vinyl chloride	**2.4**		2.0	1.8	ug/L			01/08/16 04:28	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/08/16 04:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*01/08/16 04:28*	*2*
Toluene-d8 (Surr)	*101*		*71 - 126*		*01/08/16 04:28*	*2*
4-Bromofluorobenzene (Surr)	*110*		*73 - 120*		*01/08/16 04:28*	*2*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*01/08/16 04:28*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: ADP-100 010416

Date Collected: 01/04/16 08:10
Date Received: 01/05/16 10:00

Lab Sample ID: 480-93454-6

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	**29**		2.0	1.6	ug/L			01/08/16 04:53	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/08/16 04:53	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/08/16 04:53	2
1,1-Dichloroethane	**5.7**		2.0	0.76	ug/L			01/08/16 04:53	2
1,1-Dichloroethene	**1.3**	**J**	2.0	0.58	ug/L			01/08/16 04:53	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/08/16 04:53	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/08/16 04:53	2
2-Hexanone	ND		10	2.5	ug/L			01/08/16 04:53	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/08/16 04:53	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/08/16 04:53	2
Acetone	ND		20	6.0	ug/L			01/08/16 04:53	2
Benzene	ND		2.0	0.82	ug/L			01/08/16 04:53	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/08/16 04:53	2
Bromoform	ND		2.0	0.52	ug/L			01/08/16 04:53	2
Bromomethane	ND		2.0	1.4	ug/L			01/08/16 04:53	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/08/16 04:53	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/08/16 04:53	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/08/16 04:53	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/08/16 04:53	2
Chloroethane	ND		2.0	0.64	ug/L			01/08/16 04:53	2
Chloroform	ND		2.0	0.68	ug/L			01/08/16 04:53	2
Chloromethane	ND		2.0	0.70	ug/L			01/08/16 04:53	2
cis-1,2-Dichloroethene	**11**		2.0	1.6	ug/L			01/08/16 04:53	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/08/16 04:53	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/08/16 04:53	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/08/16 04:53	2
Styrene	ND		2.0	1.5	ug/L			01/08/16 04:53	2
Tetrachloroethene	**1.2**	**J**	2.0	0.72	ug/L			01/08/16 04:53	2
Toluene	ND		2.0	1.0	ug/L			01/08/16 04:53	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			01/08/16 04:53	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/08/16 04:53	2
Trichloroethene	**100**		2.0	0.92	ug/L			01/08/16 04:53	2
Vinyl chloride	**2.2**		2.0	1.8	ug/L			01/08/16 04:53	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/08/16 04:53	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*		*01/08/16 04:53*	*2*
Toluene-d8 (Surr)	*100*		*71 - 126*		*01/08/16 04:53*	*2*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*01/08/16 04:53*	*2*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*01/08/16 04:53*	*2*

Surrogate Summary

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-93454-6	ADP-100 010416	97	100	108	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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-93454-1	EW-3D 010416	93	101	110	106
480-93454-1 MS	EW-3D 010416 MS	96	103	116	108
480-93454-1 MSD	EW-3D 010416 MSD	96	102	112	105
480-93454-2	EW-4P 010416	98	101	110	108
480-93454-3	EW-5P 010416	99	102	107	108
480-93454-4	EW-2P 010416	100	101	112	110
480-93454-5	EW-6P 010416	99	101	110	112
LCS 480-282707/4	Lab Control Sample	94	104	116	104
MB 480-282707/6	Method Blank	92	100	106	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 Evendale - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

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

Lab Sample ID: MB 480-282707/6
Matrix: Water
Analysis Batch: 282707

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			01/07/16 22:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/07/16 22:20	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/07/16 22:20	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/07/16 22:20	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/07/16 22:20	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/07/16 22:20	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/07/16 22:20	1
2-Hexanone	ND		5.0	1.2	ug/L			01/07/16 22:20	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/07/16 22:20	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/07/16 22:20	1
Acetone	ND		10	3.0	ug/L			01/07/16 22:20	1
Benzene	ND		1.0	0.41	ug/L			01/07/16 22:20	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/07/16 22:20	1
Bromoform	ND		1.0	0.26	ug/L			01/07/16 22:20	1
Bromomethane	ND		1.0	0.69	ug/L			01/07/16 22:20	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/07/16 22:20	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/07/16 22:20	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/07/16 22:20	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/07/16 22:20	1
Chloroethane	ND		1.0	0.32	ug/L			01/07/16 22:20	1
Chloroform	ND		1.0	0.34	ug/L			01/07/16 22:20	1
Chloromethane	ND		1.0	0.35	ug/L			01/07/16 22:20	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/07/16 22:20	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/07/16 22:20	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/07/16 22:20	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/07/16 22:20	1
Styrene	ND		1.0	0.73	ug/L			01/07/16 22:20	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/07/16 22:20	1
Toluene	ND		1.0	0.51	ug/L			01/07/16 22:20	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/07/16 22:20	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/07/16 22:20	1
Trichloroethene	ND		1.0	0.46	ug/L			01/07/16 22:20	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/07/16 22:20	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/07/16 22:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*66 - 137*		*01/07/16 22:20*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*01/07/16 22:20*	*1*
4-Bromofluorobenzene (Surr)	*106*		*73 - 120*		*01/07/16 22:20*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*01/07/16 22:20*	*1*

Lab Sample ID: LCS 480-282707/4
Matrix: Water
Analysis Batch: 282707

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	22.9		ug/L		92	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.7		ug/L		91	70 - 126

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

Lab Sample ID: LCS 480-282707/4
Matrix: Water
Analysis Batch: 282707

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	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.4		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	24.1		ug/L		96	58 - 121
1,2-Dichloroethane	25.0	21.9		ug/L		87	75 - 127
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
2-Hexanone	125	105		ug/L		84	65 - 127
2-Butanone (MEK)	125	108		ug/L		86	57 - 140
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	99.1		ug/L		79	56 - 142
Benzene	25.0	25.7		ug/L		103	71 - 124
Bromodichloromethane	25.0	24.1		ug/L		97	80 - 122
Bromoform	25.0	26.3		ug/L		105	52 - 132
Bromomethane	25.0	26.4		ug/L		106	55 - 144
Carbon disulfide	25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	25.0	23.9		ug/L		96	72 - 134
Chlorobenzene	25.0	25.9		ug/L		103	72 - 120
Dibromochloromethane	25.0	24.2		ug/L		97	75 - 125
Chloroethane	25.0	25.4		ug/L		102	69 - 136
Chloroform	25.0	23.0		ug/L		92	73 - 127
Chloromethane	25.0	20.6		ug/L		82	68 - 124
cis-1,2-Dichloroethene	25.0	25.6		ug/L		103	74 - 124
cis-1,3-Dichloropropene	25.0	25.4		ug/L		102	74 - 124
Ethylbenzene	25.0	24.2		ug/L		97	77 - 123
Methylene Chloride	25.0	27.0		ug/L		108	57 - 132
Styrene	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	27.3		ug/L		109	74 - 122
Toluene	25.0	24.9		ug/L		99	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	72 - 123
Trichloroethene	25.0	24.7		ug/L		99	74 - 123
Vinyl chloride	25.0	22.5		ug/L		90	65 - 133
Xylenes, Total	50.0	50.7		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*66 - 137*
Toluene-d8 (Surr)	*104*		*71 - 126*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*60 - 140*

Lab Sample ID: 480-93454-1 MS
Matrix: Water
Analysis Batch: 282707

Client Sample ID: EW-3D 010416 MS
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	98.8		ug/L		99	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	90.1		ug/L		90	70 - 126
1,1,2-Trichloroethane	ND		100	101		ug/L		101	76 - 122
1,1-Dichloroethane	ND		100	102		ug/L		102	71 - 129

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

Lab Sample ID: 480-93454-1 MS
Matrix: Water
Analysis Batch: 282707

Client Sample ID: EW-3D 010416 MS
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	103		ug/L		103	58 - 121
1,2-Dichloroethane	ND		100	89.3		ug/L		89	75 - 127
1,2-Dichloropropane	ND		100	104		ug/L		104	76 - 120
2-Hexanone	ND		500	417		ug/L		83	65 - 127
2-Butanone (MEK)	ND		500	449		ug/L		90	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	411		ug/L		82	71 - 125
Acetone	ND		500	428		ug/L		86	56 - 142
Benzene	ND		100	108		ug/L		108	71 - 124
Bromodichloromethane	ND		100	98.8		ug/L		99	80 - 122
Bromoform	ND		100	103		ug/L		103	52 - 132
Bromomethane	ND		100	113		ug/L		113	55 - 144
Carbon disulfide	ND		100	104		ug/L		104	59 - 134
Carbon tetrachloride	ND		100	103		ug/L		103	72 - 134
Chlorobenzene	ND		100	105		ug/L		105	72 - 120
Dibromochloromethane	ND		100	97.1		ug/L		97	75 - 125
Chloroethane	ND		100	109		ug/L		109	69 - 136
Chloroform	ND		100	95.4		ug/L		95	73 - 127
Chloromethane	ND		100	88.6		ug/L		89	68 - 124
cis-1,2-Dichloroethene	150		100	249		ug/L		99	74 - 124
cis-1,3-Dichloropropene	ND		100	98.9		ug/L		99	74 - 124
Ethylbenzene	ND		100	97.8		ug/L		98	77 - 123
Methylene Chloride	ND		100	109		ug/L		109	57 - 132
Styrene	ND		100	103		ug/L		103	70 - 130
Tetrachloroethene	ND		100	112		ug/L		112	74 - 122
Toluene	ND		100	102		ug/L		102	80 - 122
trans-1,2-Dichloroethene	27		100	134		ug/L		106	73 - 127
trans-1,3-Dichloropropene	ND		100	92.4		ug/L		92	72 - 123
Trichloroethene	200		100	286		ug/L		86	74 - 123
Vinyl chloride	ND		100	97.5		ug/L		97	65 - 133
Xylenes, Total	ND		200	206		ug/L		103	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*103*		*71 - 126*
4-Bromofluorobenzene (Surr)	*116*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*60 - 140*

Lab Sample ID: 480-93454-1 MSD
Matrix: Water
Analysis Batch: 282707

Client Sample ID: EW-3D 010416 MSD
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	95.8		ug/L		96	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		100	90.8		ug/L		91	70 - 126	1	15
1,1,2-Trichloroethane	ND		100	98.5		ug/L		99	76 - 122	3	15
1,1-Dichloroethane	ND		100	99.6		ug/L		100	71 - 129	2	20
1,1-Dichloroethene	ND		100	102		ug/L		102	58 - 121	1	16
1,2-Dichloroethane	ND		100	89.6		ug/L		90	75 - 127	0	20

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

Lab Sample ID: 480-93454-1 MSD
Matrix: Water
Analysis Batch: 282707

Client Sample ID: EW-3D 010416 MSD
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	106		ug/L		106	76 - 120	2	20
2-Hexanone	ND		500	416		ug/L		83	65 - 127	0	15
2-Butanone (MEK)	ND		500	456		ug/L		91	57 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		500	409		ug/L		82	71 - 125	1	35
Acetone	ND		500	436		ug/L		87	56 - 142	2	15
Benzene	ND		100	107		ug/L		107	71 - 124	1	13
Bromodichloromethane	ND		100	98.3		ug/L		98	80 - 122	1	15
Bromoform	ND		100	103		ug/L		103	52 - 132	0	15
Bromomethane	ND		100	109		ug/L		109	55 - 144	4	15
Carbon disulfide	ND		100	101		ug/L		101	59 - 134	3	15
Carbon tetrachloride	ND		100	101		ug/L		101	72 - 134	2	15
Chlorobenzene	ND		100	101		ug/L		101	72 - 120	4	25
Dibromochloromethane	ND		100	95.5		ug/L		95	75 - 125	2	15
Chloroethane	ND		100	106		ug/L		106	69 - 136	3	15
Chloroform	ND		100	95.5		ug/L		96	73 - 127	0	20
Chloromethane	ND		100	86.2		ug/L		86	68 - 124	3	15
cis-1,2-Dichloroethene	150		100	248		ug/L		99	74 - 124	0	15
cis-1,3-Dichloropropene	ND		100	98.7		ug/L		99	74 - 124	0	15
Ethylbenzene	ND		100	94.1		ug/L		94	77 - 123	4	15
Methylene Chloride	ND		100	108		ug/L		108	57 - 132	1	15
Styrene	ND		100	99.7		ug/L		100	70 - 130	3	20
Tetrachloroethene	ND		100	105		ug/L		105	74 - 122	6	20
Toluene	ND		100	99.3		ug/L		99	80 - 122	3	15
trans-1,2-Dichloroethene	27		100	131		ug/L		104	73 - 127	2	20
trans-1,3-Dichloropropene	ND		100	91.2		ug/L		91	72 - 123	1	15
Trichloroethene	200		100	282		ug/L		82	74 - 123	1	16
Vinyl chloride	ND		100	94.4		ug/L		94	65 - 133	3	15
Xylenes, Total	ND		200	200		ug/L		100	76 - 122	3	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*102*		*71 - 126*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

GC/MS VOA

Analysis Batch: 282707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-93454-1	EW-3D 010416	Total/NA	Water	8260C	
480-93454-1 MS	EW-3D 010416 MS	Total/NA	Water	8260C	
480-93454-1 MSD	EW-3D 010416 MSD	Total/NA	Water	8260C	
480-93454-2	EW-4P 010416	Total/NA	Water	8260C	
480-93454-3	EW-5P 010416	Total/NA	Water	8260C	
480-93454-4	EW-2P 010416	Total/NA	Water	8260C	
480-93454-5	EW-6P 010416	Total/NA	Water	8260C	
480-93454-6	ADP-100 010416	Total/NA	Ground Water	8260C	
LCS 480-282707/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-282707/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Client Sample ID: EW-3D 010416 — Lab Sample ID: 480-93454-1

Date Collected: 01/04/16 08:45 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	282707	01/08/16 02:46	GTG	TAL BUF

Client Sample ID: EW-4P 010416 — Lab Sample ID: 480-93454-2

Date Collected: 01/04/16 08:35 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	282707	01/08/16 03:12	GTG	TAL BUF

Client Sample ID: EW-5P 010416 — Lab Sample ID: 480-93454-3

Date Collected: 01/04/16 08:30 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	282707	01/08/16 03:37	GTG	TAL BUF

Client Sample ID: EW-2P 010416 — Lab Sample ID: 480-93454-4

Date Collected: 01/04/16 08:20 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	282707	01/08/16 04:03	GTG	TAL BUF

Client Sample ID: EW-6P 010416 — Lab Sample ID: 480-93454-5

Date Collected: 01/04/16 08:12 — **Matrix: Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	282707	01/08/16 04:28	GTG	TAL BUF

Client Sample ID: ADP-100 010416 — Lab Sample ID: 480-93454-6

Date Collected: 01/04/16 08:10 — **Matrix: Ground Water**
Date Received: 01/05/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	282707	01/08/16 04:53	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 Evendale - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

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

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

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 - IRM Monthly

TestAmerica Job ID: 480-93454-1
SDG: 480-93454-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-93454-1	EW-3D 010416	Water	01/04/16 08:45	01/05/16 10:00
480-93454-2	EW-4P 010416	Water	01/04/16 08:35	01/05/16 10:00
480-93454-3	EW-5P 010416	Water	01/04/16 08:30	01/05/16 10:00
480-93454-4	EW-2P 010416	Water	01/04/16 08:20	01/05/16 10:00
480-93454-5	EW-6P 010416	Water	01/04/16 08:12	01/05/16 10:00
480-93454-6	ADP-100 010416	Ground Water	01/04/16 08:10	01/05/16 10:00

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAm

THE LEADER IN ENVIR

480-93454 Chain of Custody

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Tony Finch	Date: 1-4-16	Chain of Custody Number: 289796
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 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
BW-3D 010416	1-4-16	8:45		X							3				X	
BW-4P 010416		8:35		X							3				X	
BW-5P 010416		8:30		X							3				X	
BW-2P 010416		8:20		X							3				X	
BW-6P 010416		8:12		X							3				X	
ADP-100 010416		8:10		X							3				X	

Cincinnati

210501

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): Use Trip Blank in COC # 291610

1. Relinquished By: Mike McLaughlin	Date: 1-4-16	Time: 1247	1. Received By: [signature]	Date: 1/4/16	Time: 1247
2. Relinquished By: [signature]	Date: 1/4/16	Time: 1247	2. Received By: [signature]	Date: 1/5/16	Time: 10:00
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

#230

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: 480-93454-1
SDG Number: 480-93454-1

Login Number: 93454
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.	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	O'BRIEN & GERE
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: 480-94101-1
TestAmerica Sample Delivery Group: 480-94101-1
Client Project/Site: GE Evendale - 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:
1/21/2016 5:17:39 PM
Rebecca Jones, Project Management Assistant I
rebecca.jones@testamericainc.com

Designee for

John Schove, Project Manager II
(716)504-9838
john.schove@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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

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)

Case Narrative

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Job ID: 480-94101-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94101-1

Comments
No additional comments.

Receipt
The samples were received on 1/19/2016 9:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º C.

GC/MS VOA
Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: Influent 011816 (480-94101-2) and Mixing Tank 011816 (480-94101-3). 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 - IRM Weekly

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-94101-1

No Detections.

Client Sample ID: Influent 011816 — Lab Sample ID: 480-94101-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	31		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.6		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.7	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
trans-1,2-Dichloroethene	7.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.1		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 011816 — Lab Sample ID: 480-94101-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	28		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
1,1-Dichloroethene	1.6	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	38		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	5.5		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	1.9	J	2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 011816 — Lab Sample ID: 480-94101-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichloroethene	1.0		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 - IRM Weekly

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-94101-1

Date Collected: 01/18/16 00:00
Matrix: Water
Date Received: 01/19/16 09:50

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			01/20/16 01:54	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/16 01:54	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/16 01:54	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/16 01:54	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/16 01:54	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/16 01:54	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/16 01:54	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/16 01:54	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/16 01:54	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/16 01:54	1
Acetone	ND		10	3.0	ug/L			01/20/16 01:54	1
Benzene	ND		1.0	0.41	ug/L			01/20/16 01:54	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/20/16 01:54	1
Bromoform	ND		1.0	0.26	ug/L			01/20/16 01:54	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/16 01:54	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/16 01:54	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/16 01:54	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/16 01:54	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/16 01:54	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/16 01:54	1
Chloroform	ND		1.0	0.34	ug/L			01/20/16 01:54	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/16 01:54	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/16 01:54	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/16 01:54	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/16 01:54	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/16 01:54	1
Styrene	ND		1.0	0.73	ug/L			01/20/16 01:54	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/16 01:54	1
Toluene	ND		1.0	0.51	ug/L			01/20/16 01:54	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/16 01:54	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/16 01:54	1
Trichloroethene	ND		1.0	0.46	ug/L			01/20/16 01:54	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/16 01:54	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/16 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*01/20/16 01:54*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*01/20/16 01:54*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/20/16 01:54*	*1*
Dibromofluoromethane (Surr)	*115*		*60 - 140*		*01/20/16 01:54*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Client Sample ID: Influent 011816

Lab Sample ID: 480-94101-2

Date Collected: 01/18/16 09:45
Matrix: Water
Date Received: 01/19/16 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**31**		2.0	1.6	ug/L			01/20/16 03:09	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/20/16 03:09	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/20/16 03:09	2
1,1-Dichloroethane	**6.6**		2.0	0.76	ug/L			01/20/16 03:09	2
1,1-Dichloroethene	**1.7**	**J**	2.0	0.58	ug/L			01/20/16 03:09	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/20/16 03:09	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/20/16 03:09	2
2-Hexanone	ND		10	2.5	ug/L			01/20/16 03:09	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/20/16 03:09	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/20/16 03:09	2
Acetone	ND		20	6.0	ug/L			01/20/16 03:09	2
Benzene	ND		2.0	0.82	ug/L			01/20/16 03:09	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/20/16 03:09	2
Bromoform	ND		2.0	0.52	ug/L			01/20/16 03:09	2
Bromomethane	ND		2.0	1.4	ug/L			01/20/16 03:09	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/20/16 03:09	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/20/16 03:09	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/20/16 03:09	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/20/16 03:09	2
Chloroethane	ND		2.0	0.64	ug/L			01/20/16 03:09	2
Chloroform	ND		2.0	0.68	ug/L			01/20/16 03:09	2
Chloromethane	ND		2.0	0.70	ug/L			01/20/16 03:09	2
cis-1,2-Dichloroethene	**45**		2.0	1.6	ug/L			01/20/16 03:09	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/20/16 03:09	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/20/16 03:09	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/20/16 03:09	2
Styrene	ND		2.0	1.5	ug/L			01/20/16 03:09	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/20/16 03:09	2
Toluene	ND		2.0	1.0	ug/L			01/20/16 03:09	2
trans-1,2-Dichloroethene	**7.0**		2.0	1.8	ug/L			01/20/16 03:09	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/20/16 03:09	2
Trichloroethene	**120**		2.0	0.92	ug/L			01/20/16 03:09	2
Vinyl chloride	**3.1**		2.0	1.8	ug/L			01/20/16 03:09	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/20/16 03:09	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*01/20/16 03:09*	*2*
Toluene-d8 (Surr)	*96*		*71 - 126*		*01/20/16 03:09*	*2*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/20/16 03:09*	*2*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*01/20/16 03:09*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Client Sample ID: Mixing Tank 011816

Lab Sample ID: 480-94101-3

Date Collected: 01/18/16 09:30
Matrix: Water
Date Received: 01/19/16 09:50

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**28**		2.0	1.6	ug/L			01/20/16 02:44	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			01/20/16 02:44	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			01/20/16 02:44	2
1,1-Dichloroethane	**6.3**		2.0	0.76	ug/L			01/20/16 02:44	2
1,1-Dichloroethene	**1.6**	**J**	2.0	0.58	ug/L			01/20/16 02:44	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			01/20/16 02:44	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			01/20/16 02:44	2
2-Hexanone	ND		10	2.5	ug/L			01/20/16 02:44	2
2-Butanone (MEK)	ND		20	2.6	ug/L			01/20/16 02:44	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			01/20/16 02:44	2
Acetone	ND		20	6.0	ug/L			01/20/16 02:44	2
Benzene	ND		2.0	0.82	ug/L			01/20/16 02:44	2
Bromodichloromethane	ND		2.0	0.78	ug/L			01/20/16 02:44	2
Bromoform	ND		2.0	0.52	ug/L			01/20/16 02:44	2
Bromomethane	ND		2.0	1.4	ug/L			01/20/16 02:44	2
Carbon disulfide	ND		2.0	0.38	ug/L			01/20/16 02:44	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			01/20/16 02:44	2
Chlorobenzene	ND		2.0	1.5	ug/L			01/20/16 02:44	2
Dibromochloromethane	ND		2.0	0.64	ug/L			01/20/16 02:44	2
Chloroethane	ND		2.0	0.64	ug/L			01/20/16 02:44	2
Chloroform	ND		2.0	0.68	ug/L			01/20/16 02:44	2
Chloromethane	ND		2.0	0.70	ug/L			01/20/16 02:44	2
cis-1,2-Dichloroethene	**38**		2.0	1.6	ug/L			01/20/16 02:44	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			01/20/16 02:44	2
Ethylbenzene	ND		2.0	1.5	ug/L			01/20/16 02:44	2
Methylene Chloride	ND		2.0	0.88	ug/L			01/20/16 02:44	2
Styrene	ND		2.0	1.5	ug/L			01/20/16 02:44	2
Tetrachloroethene	ND		2.0	0.72	ug/L			01/20/16 02:44	2
Toluene	ND		2.0	1.0	ug/L			01/20/16 02:44	2
trans-1,2-Dichloroethene	**5.5**		2.0	1.8	ug/L			01/20/16 02:44	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			01/20/16 02:44	2
Trichloroethene	**110**		2.0	0.92	ug/L			01/20/16 02:44	2
Vinyl chloride	**1.9**	**J**	2.0	1.8	ug/L			01/20/16 02:44	2
Xylenes, Total	ND		4.0	1.3	ug/L			01/20/16 02:44	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*01/20/16 02:44*	*2*
Toluene-d8 (Surr)	*95*		*71 - 126*		*01/20/16 02:44*	*2*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*01/20/16 02:44*	*2*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*01/20/16 02:44*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Client Sample ID: Effluent 011816

Lab Sample ID: 480-94101-4

Date Collected: 01/18/16 09:25
Matrix: Water
Date Received: 01/19/16 09:50

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			01/20/16 02:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/20/16 02:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/20/16 02:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/20/16 02:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/20/16 02:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/20/16 02:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/20/16 02:19	1
2-Hexanone	ND		5.0	1.2	ug/L			01/20/16 02:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/20/16 02:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/20/16 02:19	1
Acetone	ND		10	3.0	ug/L			01/20/16 02:19	1
Benzene	ND		1.0	0.41	ug/L			01/20/16 02:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/20/16 02:19	1
Bromoform	ND		1.0	0.26	ug/L			01/20/16 02:19	1
Bromomethane	ND		1.0	0.69	ug/L			01/20/16 02:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/20/16 02:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/20/16 02:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/20/16 02:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/20/16 02:19	1
Chloroethane	ND		1.0	0.32	ug/L			01/20/16 02:19	1
Chloroform	ND		1.0	0.34	ug/L			01/20/16 02:19	1
Chloromethane	ND		1.0	0.35	ug/L			01/20/16 02:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/20/16 02:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/20/16 02:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/20/16 02:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/20/16 02:19	1
Styrene	ND		1.0	0.73	ug/L			01/20/16 02:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/20/16 02:19	1
Toluene	ND		1.0	0.51	ug/L			01/20/16 02:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/20/16 02:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/20/16 02:19	1
Trichloroethene	**1.0**		1.0	0.46	ug/L			01/20/16 02:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/20/16 02:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/20/16 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*01/20/16 02:19*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*01/20/16 02:19*	*1*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*		*01/20/16 02:19*	*1*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*01/20/16 02:19*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-94101-1	Trip Blank	104	95	102	115
480-94101-2	Influent 011816	104	96	102	111
480-94101-3	Mixing Tank 011816	105	95	103	111
480-94101-4	Effluent 011816	103	97	105	113
LCS 480-284195/4	Lab Control Sample	103	100	109	108
MB 480-284195/6	Method Blank	100	96	102	112

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 - IRM Weekly

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

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

Lab Sample ID: MB 480-284195/6
Matrix: Water
Analysis Batch: 284195

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			01/19/16 22:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/19/16 22:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/19/16 22:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/19/16 22:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/19/16 22:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/19/16 22:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/19/16 22:46	1
2-Hexanone	ND		5.0	1.2	ug/L			01/19/16 22:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/19/16 22:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/19/16 22:46	1
Acetone	ND		10	3.0	ug/L			01/19/16 22:46	1
Benzene	ND		1.0	0.41	ug/L			01/19/16 22:46	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/19/16 22:46	1
Bromoform	ND		1.0	0.26	ug/L			01/19/16 22:46	1
Bromomethane	ND		1.0	0.69	ug/L			01/19/16 22:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/19/16 22:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/19/16 22:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/19/16 22:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/19/16 22:46	1
Chloroethane	ND		1.0	0.32	ug/L			01/19/16 22:46	1
Chloroform	ND		1.0	0.34	ug/L			01/19/16 22:46	1
Chloromethane	ND		1.0	0.35	ug/L			01/19/16 22:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/19/16 22:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/19/16 22:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/19/16 22:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/19/16 22:46	1
Styrene	ND		1.0	0.73	ug/L			01/19/16 22:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/19/16 22:46	1
Toluene	ND		1.0	0.51	ug/L			01/19/16 22:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/19/16 22:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/19/16 22:46	1
Trichloroethene	ND		1.0	0.46	ug/L			01/19/16 22:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/19/16 22:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/19/16 22:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*01/19/16 22:46*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*01/19/16 22:46*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/19/16 22:46*	*1*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*01/19/16 22:46*	*1*

Lab Sample ID: LCS 480-284195/4
Matrix: Water
Analysis Batch: 284195

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	23.7		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 126

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

Lab Sample ID: LCS 480-284195/4
Matrix: Water
Analysis Batch: 284195

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	25.1		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	25.5		ug/L		102	71 - 129
1,1-Dichloroethene	25.0	23.4		ug/L		94	58 - 121
1,2-Dichloroethane	25.0	23.5		ug/L		94	75 - 127
1,2-Dichloropropane	25.0	26.5		ug/L		106	76 - 120
2-Hexanone	125	106		ug/L		84	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	104		ug/L		84	71 - 125
Acetone	125	121		ug/L		97	56 - 142
Benzene	25.0	26.8		ug/L		107	71 - 124
Bromodichloromethane	25.0	25.0		ug/L		100	80 - 122
Bromoform	25.0	25.8		ug/L		103	52 - 132
Bromomethane	25.0	26.3		ug/L		105	55 - 144
Carbon disulfide	25.0	24.5		ug/L		98	59 - 134
Carbon tetrachloride	25.0	24.8		ug/L		99	72 - 134
Chlorobenzene	25.0	25.3		ug/L		101	72 - 120
Dibromochloromethane	25.0	23.9		ug/L		96	75 - 125
Chloroethane	25.0	24.8		ug/L		99	69 - 136
Chloroform	25.0	24.2		ug/L		97	73 - 127
Chloromethane	25.0	19.6		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	26.3		ug/L		105	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Methylene Chloride	25.0	26.4		ug/L		105	57 - 132
Styrene	25.0	24.4		ug/L		97	70 - 130
Tetrachloroethene	25.0	25.6		ug/L		103	74 - 122
Toluene	25.0	24.4		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		95	72 - 123
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Vinyl chloride	25.0	21.2		ug/L		85	65 - 133
Xylenes, Total	50.0	49.4		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*
Toluene-d8 (Surr)	*100*		*71 - 126*
4-Bromofluorobenzene (Surr)	*109*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

GC/MS VOA

Analysis Batch: 284195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94101-1	Trip Blank	Total/NA	Water	8260C	
480-94101-2	Influent 011816	Total/NA	Water	8260C	
480-94101-3	Mixing Tank 011816	Total/NA	Water	8260C	
480-94101-4	Effluent 011816	Total/NA	Water	8260C	
LCS 480-284195/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-284195/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-94101-1

Date Collected: 01/18/16 00:00 — **Matrix: Water**
Date Received: 01/19/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284195	01/20/16 01:54	GTG	TAL BUF

Client Sample ID: Influent 011816 — Lab Sample ID: 480-94101-2

Date Collected: 01/18/16 09:45 — **Matrix: Water**
Date Received: 01/19/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	284195	01/20/16 03:09	GTG	TAL BUF

Client Sample ID: Mixing Tank 011816 — Lab Sample ID: 480-94101-3

Date Collected: 01/18/16 09:30 — **Matrix: Water**
Date Received: 01/19/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	284195	01/20/16 02:44	GTG	TAL BUF

Client Sample ID: Effluent 011816 — Lab Sample ID: 480-94101-4

Date Collected: 01/18/16 09:25 — **Matrix: Water**
Date Received: 01/19/16 09:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	284195	01/20/16 02:19	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

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

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

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 - IRM Weekly

TestAmerica Job ID: 480-94101-1
SDG: 480-94101-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94101-1	Trip Blank	Water	01/18/16 00:00	01/19/16 09:50
480-94101-2	Influent 011816	Water	01/18/16 09:45	01/19/16 09:50
480-94101-3	Mixing Tank 011816	Water	01/18/16 09:30	01/19/16 09:50
480-94101-4	Effluent 011816	Water	01/18/16 09:25	01/19/16 09:50

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 1-18-16	Chain of Custody Number: 291902
Address: 9805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 610-405-7729	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Schee	
Project Name and Location (State): GE PRM OH	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

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
Trip Blank	1-18-16			X							2				X
Influent 011816		9:45		X							3				X
Mixing Tank 011816		9:30		X							3				X
Effluent 011816		9:25		X							3				X

Special Instructions/ Conditions of Receipt

480-94101 Chain of Custody

Cincinnati
210501

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)

1. Relinquished By: Mike McLaughlin	Date: 1-18-16	Time: 10:50	1. Received By: Matt B	Date: 1/18/16	Time: 10:50
2. Relinquished By: Matt B	Date: 1/18/16	Time: 11:00	2. Received By: Amrkow TA	Date: 01/19/16	Time: 0950
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: Temp 2.4 #3 ICE

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: 480-94101-1
SDG Number: 480-94101-1

Login Number: 94101
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.	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: 480-94670-1
TestAmerica Sample Delivery Group: 480-94670-1
Client Project/Site: GE Evendale - 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:
2/17/2016 11:51:58 PM

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

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)

Case Narrative

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Job ID: 480-94670-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94670-1

Receipt
The samples were received on 2/3/2016 10:30 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 following samples was diluted to bring the concentration of target analytes within the calibration range: Influent 020116 (480-94670-2) and Mixing Tank 020116 (480-94670-3). 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 - IRM Weekly

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-94670-1

No Detections.

Client Sample ID: Influent 020116 — Lab Sample ID: 480-94670-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.8		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.7	J	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	6.8		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	2.9		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 020116 — Lab Sample ID: 480-94670-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	24		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.3		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
cis-1,2-Dichloroethene	30		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	4.0		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	85		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 020116 — Lab Sample ID: 480-94670-4

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Client Sample ID: Trip Blank

Date Collected: 02/01/16 00:00
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94670-1

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			02/03/16 20:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/03/16 20:24	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/03/16 20:24	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/03/16 20:24	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/03/16 20:24	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/03/16 20:24	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/03/16 20:24	1
2-Hexanone	ND		5.0	1.2	ug/L			02/03/16 20:24	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/03/16 20:24	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/03/16 20:24	1
Acetone	ND		10	3.0	ug/L			02/03/16 20:24	1
Benzene	ND		1.0	0.41	ug/L			02/03/16 20:24	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/03/16 20:24	1
Bromoform	ND		1.0	0.26	ug/L			02/03/16 20:24	1
Bromomethane	ND		1.0	0.69	ug/L			02/03/16 20:24	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/03/16 20:24	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/03/16 20:24	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/03/16 20:24	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/03/16 20:24	1
Chloroethane	ND		1.0	0.32	ug/L			02/03/16 20:24	1
Chloroform	ND		1.0	0.34	ug/L			02/03/16 20:24	1
Chloromethane	ND		1.0	0.35	ug/L			02/03/16 20:24	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/03/16 20:24	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/03/16 20:24	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/03/16 20:24	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/03/16 20:24	1
Styrene	ND		1.0	0.73	ug/L			02/03/16 20:24	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/03/16 20:24	1
Toluene	ND		1.0	0.51	ug/L			02/03/16 20:24	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/03/16 20:24	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/03/16 20:24	1
Trichloroethene	ND		1.0	0.46	ug/L			02/03/16 20:24	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/03/16 20:24	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/03/16 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*02/03/16 20:24*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/03/16 20:24*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/03/16 20:24*	*1*
Dibromofluoromethane (Surr)	*117*		*60 - 140*		*02/03/16 20:24*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Client Sample ID: Influent 020116

Lab Sample ID: 480-94670-2

Date Collected: 02/01/16 07:18
Matrix: Water
Date Received: 02/03/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**30**		2.0	1.6	ug/L			02/03/16 22:05	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/03/16 22:05	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/03/16 22:05	2
1,1-Dichloroethane	**6.8**		2.0	0.76	ug/L			02/03/16 22:05	2
1,1-Dichloroethene	**1.7**	**J**	2.0	0.58	ug/L			02/03/16 22:05	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/03/16 22:05	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/03/16 22:05	2
2-Hexanone	ND		10	2.5	ug/L			02/03/16 22:05	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/03/16 22:05	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/03/16 22:05	2
Acetone	ND		20	6.0	ug/L			02/03/16 22:05	2
Benzene	ND		2.0	0.82	ug/L			02/03/16 22:05	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/03/16 22:05	2
Bromoform	ND		2.0	0.52	ug/L			02/03/16 22:05	2
Bromomethane	ND		2.0	1.4	ug/L			02/03/16 22:05	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/03/16 22:05	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/03/16 22:05	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/03/16 22:05	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/03/16 22:05	2
Chloroethane	ND		2.0	0.64	ug/L			02/03/16 22:05	2
Chloroform	ND		2.0	0.68	ug/L			02/03/16 22:05	2
Chloromethane	ND		2.0	0.70	ug/L			02/03/16 22:05	2
cis-1,2-Dichloroethene	**43**		2.0	1.6	ug/L			02/03/16 22:05	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/03/16 22:05	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/03/16 22:05	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/03/16 22:05	2
Styrene	ND		2.0	1.5	ug/L			02/03/16 22:05	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/03/16 22:05	2
Toluene	ND		2.0	1.0	ug/L			02/03/16 22:05	2
trans-1,2-Dichloroethene	**6.8**		2.0	1.8	ug/L			02/03/16 22:05	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/03/16 22:05	2
Trichloroethene	**120**		2.0	0.92	ug/L			02/03/16 22:05	2
Vinyl chloride	**2.9**		2.0	1.8	ug/L			02/03/16 22:05	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/03/16 22:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*02/03/16 22:05*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*02/03/16 22:05*	*2*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/03/16 22:05*	*2*
Dibromofluoromethane (Surr)	*118*		*60 - 140*		*02/03/16 22:05*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Client Sample ID: Mixing Tank 020116

Lab Sample ID: 480-94670-3

Date Collected: 02/01/16 07:15
Matrix: Water
Date Received: 02/03/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**24**		2.0	1.6	ug/L			02/03/16 21:40	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/03/16 21:40	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/03/16 21:40	2
1,1-Dichloroethane	**5.3**		2.0	0.76	ug/L			02/03/16 21:40	2
1,1-Dichloroethene	**1.1**	**J**	2.0	0.58	ug/L			02/03/16 21:40	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/03/16 21:40	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/03/16 21:40	2
2-Hexanone	ND		10	2.5	ug/L			02/03/16 21:40	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/03/16 21:40	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/03/16 21:40	2
Acetone	ND		20	6.0	ug/L			02/03/16 21:40	2
Benzene	ND		2.0	0.82	ug/L			02/03/16 21:40	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/03/16 21:40	2
Bromoform	ND		2.0	0.52	ug/L			02/03/16 21:40	2
Bromomethane	ND		2.0	1.4	ug/L			02/03/16 21:40	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/03/16 21:40	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/03/16 21:40	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/03/16 21:40	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/03/16 21:40	2
Chloroethane	ND		2.0	0.64	ug/L			02/03/16 21:40	2
Chloroform	ND		2.0	0.68	ug/L			02/03/16 21:40	2
Chloromethane	ND		2.0	0.70	ug/L			02/03/16 21:40	2
cis-1,2-Dichloroethene	**30**		2.0	1.6	ug/L			02/03/16 21:40	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/03/16 21:40	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/03/16 21:40	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/03/16 21:40	2
Styrene	ND		2.0	1.5	ug/L			02/03/16 21:40	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/03/16 21:40	2
Toluene	ND		2.0	1.0	ug/L			02/03/16 21:40	2
trans-1,2-Dichloroethene	**4.0**		2.0	1.8	ug/L			02/03/16 21:40	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/03/16 21:40	2
Trichloroethene	**85**		2.0	0.92	ug/L			02/03/16 21:40	2
Vinyl chloride	ND		2.0	1.8	ug/L			02/03/16 21:40	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/03/16 21:40	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*02/03/16 21:40*	*2*
Toluene-d8 (Surr)	*93*		*71 - 126*		*02/03/16 21:40*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*02/03/16 21:40*	*2*
Dibromofluoromethane (Surr)	*117*		*60 - 140*		*02/03/16 21:40*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Client Sample ID: Effluent 020116

Lab Sample ID: 480-94670-4

Date Collected: 02/01/16 07:10
Matrix: Water
Date Received: 02/03/16 10:30

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			02/03/16 21:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/03/16 21:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/03/16 21:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/03/16 21:15	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/03/16 21:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/03/16 21:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/03/16 21:15	1
2-Hexanone	ND		5.0	1.2	ug/L			02/03/16 21:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/03/16 21:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/03/16 21:15	1
Acetone	ND		10	3.0	ug/L			02/03/16 21:15	1
Benzene	ND		1.0	0.41	ug/L			02/03/16 21:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/03/16 21:15	1
Bromoform	ND		1.0	0.26	ug/L			02/03/16 21:15	1
Bromomethane	ND		1.0	0.69	ug/L			02/03/16 21:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/03/16 21:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/03/16 21:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/03/16 21:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/03/16 21:15	1
Chloroethane	ND		1.0	0.32	ug/L			02/03/16 21:15	1
Chloroform	ND		1.0	0.34	ug/L			02/03/16 21:15	1
Chloromethane	ND		1.0	0.35	ug/L			02/03/16 21:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/03/16 21:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/03/16 21:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/03/16 21:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/03/16 21:15	1
Styrene	ND		1.0	0.73	ug/L			02/03/16 21:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/03/16 21:15	1
Toluene	ND		1.0	0.51	ug/L			02/03/16 21:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/03/16 21:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/03/16 21:15	1
Trichloroethene	ND		1.0	0.46	ug/L			02/03/16 21:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/03/16 21:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/03/16 21:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*66 - 137*		*02/03/16 21:15*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*02/03/16 21:15*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*02/03/16 21:15*	*1*
Dibromofluoromethane (Surr)	*121*		*60 - 140*		*02/03/16 21:15*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-94670-1	Trip Blank	115	91	96	117
480-94670-2	Influent 020116	115	92	96	118
480-94670-3	Mixing Tank 020116	114	93	97	117
480-94670-4	Effluent 020116	118	92	96	121
LCS 480-286127/4	Lab Control Sample	105	94	101	106
MB 480-286127/6	Method Blank	111	88	95	115

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 - IRM Weekly

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

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

Lab Sample ID: MB 480-286127/6
Matrix: Water
Analysis Batch: 286127

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			02/03/16 19:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/03/16 19:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/03/16 19:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/03/16 19:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/03/16 19:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/03/16 19:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/03/16 19:08	1
2-Hexanone	ND		5.0	1.2	ug/L			02/03/16 19:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/03/16 19:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/03/16 19:08	1
Acetone	ND		10	3.0	ug/L			02/03/16 19:08	1
Benzene	ND		1.0	0.41	ug/L			02/03/16 19:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/03/16 19:08	1
Bromoform	ND		1.0	0.26	ug/L			02/03/16 19:08	1
Bromomethane	ND		1.0	0.69	ug/L			02/03/16 19:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/03/16 19:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/03/16 19:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/03/16 19:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/03/16 19:08	1
Chloroethane	ND		1.0	0.32	ug/L			02/03/16 19:08	1
Chloroform	ND		1.0	0.34	ug/L			02/03/16 19:08	1
Chloromethane	ND		1.0	0.35	ug/L			02/03/16 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/03/16 19:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/03/16 19:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/03/16 19:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/03/16 19:08	1
Styrene	ND		1.0	0.73	ug/L			02/03/16 19:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/03/16 19:08	1
Toluene	ND		1.0	0.51	ug/L			02/03/16 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/03/16 19:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/03/16 19:08	1
Trichloroethene	ND		1.0	0.46	ug/L			02/03/16 19:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/03/16 19:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/03/16 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*02/03/16 19:08*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*02/03/16 19:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/03/16 19:08*	*1*
Dibromofluoromethane (Surr)	*115*		*60 - 140*		*02/03/16 19:08*	*1*

Lab Sample ID: LCS 480-286127/4
Matrix: Water
Analysis Batch: 286127

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	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	70 - 126

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

Lab Sample ID: LCS 480-286127/4
Matrix: Water
Analysis Batch: 286127

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	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	26.3		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	25.7		ug/L		103	58 - 121
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 127
1,2-Dichloropropane	25.0	27.5		ug/L		110	76 - 120
2-Hexanone	125	112		ug/L		90	65 - 127
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	27.1		ug/L		108	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	26.8		ug/L		107	52 - 132
Bromomethane	25.0	27.6		ug/L		111	55 - 144
Carbon disulfide	25.0	26.6		ug/L		107	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	72 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	27.4		ug/L		110	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	22.3		ug/L		89	68 - 124
cis-1,2-Dichloroethene	25.0	26.4		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
Methylene Chloride	25.0	27.8		ug/L		111	57 - 132
Styrene	25.0	24.5		ug/L		98	70 - 130
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	72 - 123
Trichloroethene	25.0	26.6		ug/L		107	74 - 123
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133
Xylenes, Total	50.0	49.7		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

GC/MS VOA

Analysis Batch: 286127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94670-1	Trip Blank	Total/NA	Water	8260C	
480-94670-2	Influent 020116	Total/NA	Water	8260C	
480-94670-3	Mixing Tank 020116	Total/NA	Water	8260C	
480-94670-4	Effluent 020116	Total/NA	Water	8260C	
LCS 480-286127/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-286127/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-94670-1

Date Collected: 02/01/16 00:00 — **Matrix: Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	286127	02/03/16 20:24	GTG	TAL BUF

Client Sample ID: Influent 020116 — Lab Sample ID: 480-94670-2

Date Collected: 02/01/16 07:18 — **Matrix: Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	286127	02/03/16 22:05	GTG	TAL BUF

Client Sample ID: Mixing Tank 020116 — Lab Sample ID: 480-94670-3

Date Collected: 02/01/16 07:15 — **Matrix: Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	286127	02/03/16 21:40	GTG	TAL BUF

Client Sample ID: Effluent 020116 — Lab Sample ID: 480-94670-4

Date Collected: 02/01/16 07:10 — **Matrix: Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	286127	02/03/16 21:15	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

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 - IRM Weekly

TestAmerica Job ID: 480-94670-1
SDG: 480-94670-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94670-1	Trip Blank	Water	02/01/16 00:00	02/03/16 10:30
480-94670-2	Influent 020116	Water	02/01/16 07:18	02/03/16 10:30
480-94670-3	Mixing Tank 020116	Water	02/01/16 07:15	02/03/16 10:30
480-94670-4	Effluent 020116	Water	02/01/16 07:10	02/03/16 10:30

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 2-1-16	Chain of Custody Number: 291923
Address: 8805 Governors Hill Dr	Telephone Number (Area Code)/Fax Number: 610-405-7729	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code: 45249	Site Contact: Mike McLaughlin	Lab Contact: John Solve	
Project Name and Location (State): GE IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131 1127			

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	2-1-16			X							2				X	
Influent 020116	↓	7:18		X							3				X	
Mixing Tank 020116	↓	7:15		X							3				X	
Effluent 020116	↓	7:10		X							3				X	

480-94670 Chain of Custody

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)

1. Relinquished By: Mike McLaughlin	Date: 2-1-16	Time: 8:05	1. Received By: [signature]	Date: 2/1/16	Time: 9:30
2. Relinquished By: [signature]	Date: 2/1/16	Time: 14:00	2. Received By: [signature]	Date: 2/3/16	Time: 1030
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 3.0 °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: 480-94670-1
SDG Number: 480-94670-1

Login Number: 94670
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.	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: 480-94671-1
TestAmerica Sample Delivery Group: 480-94671-1
Client Project/Site: GE Evendale - 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:
2/18/2016 12:00:19 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

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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 - IRM Weekly

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

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: 480-94671-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-94671-1

Receipt
The samples were received on 2/3/2016 10:30 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 following samples was diluted to bring the concentration of target analytes within the calibration range: EW 3D 020116 (480-94671-2), EW 3D 020116 (480-94671-2[MS]), EW 3D 020116 (480-94671-2[MSD]) and EW 4P 020116 (480-94671-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-286212 recovered above the upper control limit for Carbon tetrachloride. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following samples are impacted: EW 5P 020116 (480-94671-4), EW 2P 020116 (480-94671-5), EW 6P 020116 (480-94671-6) and ADP-100 020116 (480-94671-7).

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 - IRM Weekly

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 8D 020116 — Lab Sample ID: 480-94671-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.2		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	2.2		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	7.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW 3D 020116 — Lab Sample ID: 480-94671-2

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
trans-1,2-Dichloroethene	25		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	190		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW 4P 020116 — Lab Sample ID: 480-94671-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	88		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	6.9		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	25		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	180		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: EW 5P 020116 — Lab Sample ID: 480-94671-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	100		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	26		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	7.5		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	190		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 2P 020116 — Lab Sample ID: 480-94671-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	100		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	10		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	3.5	J	5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	2.1	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	220		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: EW 6P 020116 — Lab Sample ID: 480-94671-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	38		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.0		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
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.1	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 6P 020116 (Continued) — Lab Sample ID: 480-94671-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	2.9		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: ADP-100 020116 — Lab Sample ID: 480-94671-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	40		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.9		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.3	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	11		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	0.95	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	130		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	3.9		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 Evendale - IRM Weekly

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 8D 020116

Date Collected: 02/01/16 06:55
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-1

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		1.0	0.82	ug/L			02/04/16 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/04/16 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/04/16 01:01	1
1,1-Dichloroethane	**1.4**		1.0	0.38	ug/L			02/04/16 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/04/16 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/04/16 01:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/04/16 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			02/04/16 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/04/16 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/04/16 01:01	1
Acetone	ND		10	3.0	ug/L			02/04/16 01:01	1
Benzene	ND		1.0	0.41	ug/L			02/04/16 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/04/16 01:01	1
Bromoform	ND		1.0	0.26	ug/L			02/04/16 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			02/04/16 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/04/16 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/04/16 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/04/16 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/04/16 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			02/04/16 01:01	1
Chloroform	ND		1.0	0.34	ug/L			02/04/16 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			02/04/16 01:01	1
cis-1,2-Dichloroethene	**5.2**		1.0	0.81	ug/L			02/04/16 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/04/16 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/04/16 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/04/16 01:01	1
Styrene	ND		1.0	0.73	ug/L			02/04/16 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/04/16 01:01	1
Toluene	ND		1.0	0.51	ug/L			02/04/16 01:01	1
trans-1,2-Dichloroethene	**2.2**		1.0	0.90	ug/L			02/04/16 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/04/16 01:01	1
Trichloroethene	ND		1.0	0.46	ug/L			02/04/16 01:01	1
Vinyl chloride	**7.1**		1.0	0.90	ug/L			02/04/16 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/04/16 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*02/04/16 01:01*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/04/16 01:01*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/04/16 01:01*	*1*
Dibromofluoromethane (Surr)	*120*		*60 - 140*		*02/04/16 01:01*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 3D 020116

Date Collected: 02/01/16 06:35
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-2

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		4.0	3.3	ug/L			02/04/16 01:27	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/04/16 01:27	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/04/16 01:27	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			02/04/16 01:27	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			02/04/16 01:27	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/04/16 01:27	4
1,2-Dichloropropane	ND	F1	4.0	2.9	ug/L			02/04/16 01:27	4
2-Hexanone	ND		20	5.0	ug/L			02/04/16 01:27	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/04/16 01:27	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/04/16 01:27	4
Acetone	ND		40	12	ug/L			02/04/16 01:27	4
Benzene	ND		4.0	1.6	ug/L			02/04/16 01:27	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/04/16 01:27	4
Bromoform	ND		4.0	1.0	ug/L			02/04/16 01:27	4
Bromomethane	ND		4.0	2.8	ug/L			02/04/16 01:27	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/04/16 01:27	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/04/16 01:27	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/04/16 01:27	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/04/16 01:27	4
Chloroethane	ND		4.0	1.3	ug/L			02/04/16 01:27	4
Chloroform	ND		4.0	1.4	ug/L			02/04/16 01:27	4
Chloromethane	ND		4.0	1.4	ug/L			02/04/16 01:27	4
cis-1,2-Dichloroethene	**140**		4.0	3.2	ug/L			02/04/16 01:27	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/04/16 01:27	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/04/16 01:27	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/04/16 01:27	4
Styrene	ND		4.0	2.9	ug/L			02/04/16 01:27	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/04/16 01:27	4
Toluene	ND		4.0	2.0	ug/L			02/04/16 01:27	4
trans-1,2-Dichloroethene	**25**		4.0	3.6	ug/L			02/04/16 01:27	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/04/16 01:27	4
Trichloroethene	**190**		4.0	1.8	ug/L			02/04/16 01:27	4
Vinyl chloride	ND		4.0	3.6	ug/L			02/04/16 01:27	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/04/16 01:27	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*02/04/16 01:27*	*4*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/04/16 01:27*	*4*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*02/04/16 01:27*	*4*
Dibromofluoromethane (Surr)	*122*		*60 - 140*		*02/04/16 01:27*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 4P 020116

Date Collected: 02/01/16 06:20
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-3

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	**88**		4.0	3.3	ug/L			02/04/16 01:52	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/04/16 01:52	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/04/16 01:52	4
1,1-Dichloroethane	**25**		4.0	1.5	ug/L			02/04/16 01:52	4
1,1-Dichloroethene	**6.9**		4.0	1.2	ug/L			02/04/16 01:52	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/04/16 01:52	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/04/16 01:52	4
2-Hexanone	ND		20	5.0	ug/L			02/04/16 01:52	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/04/16 01:52	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/04/16 01:52	4
Acetone	ND		40	12	ug/L			02/04/16 01:52	4
Benzene	ND		4.0	1.6	ug/L			02/04/16 01:52	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/04/16 01:52	4
Bromoform	ND		4.0	1.0	ug/L			02/04/16 01:52	4
Bromomethane	ND		4.0	2.8	ug/L			02/04/16 01:52	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/04/16 01:52	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/04/16 01:52	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/04/16 01:52	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/04/16 01:52	4
Chloroethane	ND		4.0	1.3	ug/L			02/04/16 01:52	4
Chloroform	ND		4.0	1.4	ug/L			02/04/16 01:52	4
Chloromethane	ND		4.0	1.4	ug/L			02/04/16 01:52	4
cis-1,2-Dichloroethene	**25**		4.0	3.2	ug/L			02/04/16 01:52	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/04/16 01:52	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/04/16 01:52	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/04/16 01:52	4
Styrene	ND		4.0	2.9	ug/L			02/04/16 01:52	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/04/16 01:52	4
Toluene	ND		4.0	2.0	ug/L			02/04/16 01:52	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/04/16 01:52	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/04/16 01:52	4
Trichloroethene	**180**		4.0	1.8	ug/L			02/04/16 01:52	4
Vinyl chloride	ND		4.0	3.6	ug/L			02/04/16 01:52	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/04/16 01:52	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*66 - 137*		*02/04/16 01:52*	*4*
Toluene-d8 (Surr)	*92*		*71 - 126*		*02/04/16 01:52*	*4*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*02/04/16 01:52*	*4*
Dibromofluoromethane (Surr)	*121*		*60 - 140*		*02/04/16 01:52*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 5P 020116

Date Collected: 02/01/16 06:15
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-4

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	**100**		4.0	3.3	ug/L			02/04/16 13:38	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			02/04/16 13:38	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			02/04/16 13:38	4
1,1-Dichloroethane	**26**		4.0	1.5	ug/L			02/04/16 13:38	4
1,1-Dichloroethene	**7.5**		4.0	1.2	ug/L			02/04/16 13:38	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			02/04/16 13:38	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			02/04/16 13:38	4
2-Hexanone	ND		20	5.0	ug/L			02/04/16 13:38	4
2-Butanone (MEK)	ND		40	5.3	ug/L			02/04/16 13:38	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			02/04/16 13:38	4
Acetone	ND		40	12	ug/L			02/04/16 13:38	4
Benzene	ND		4.0	1.6	ug/L			02/04/16 13:38	4
Bromodichloromethane	ND		4.0	1.6	ug/L			02/04/16 13:38	4
Bromoform	ND		4.0	1.0	ug/L			02/04/16 13:38	4
Bromomethane	ND		4.0	2.8	ug/L			02/04/16 13:38	4
Carbon disulfide	ND		4.0	0.76	ug/L			02/04/16 13:38	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			02/04/16 13:38	4
Chlorobenzene	ND		4.0	3.0	ug/L			02/04/16 13:38	4
Dibromochloromethane	ND		4.0	1.3	ug/L			02/04/16 13:38	4
Chloroethane	ND		4.0	1.3	ug/L			02/04/16 13:38	4
Chloroform	ND		4.0	1.4	ug/L			02/04/16 13:38	4
Chloromethane	ND		4.0	1.4	ug/L			02/04/16 13:38	4
cis-1,2-Dichloroethene	**27**		4.0	3.2	ug/L			02/04/16 13:38	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			02/04/16 13:38	4
Ethylbenzene	ND		4.0	3.0	ug/L			02/04/16 13:38	4
Methylene Chloride	ND		4.0	1.8	ug/L			02/04/16 13:38	4
Styrene	ND		4.0	2.9	ug/L			02/04/16 13:38	4
Tetrachloroethene	ND		4.0	1.4	ug/L			02/04/16 13:38	4
Toluene	ND		4.0	2.0	ug/L			02/04/16 13:38	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			02/04/16 13:38	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			02/04/16 13:38	4
Trichloroethene	**190**		4.0	1.8	ug/L			02/04/16 13:38	4
Vinyl chloride	**3.6**	**J**	4.0	3.6	ug/L			02/04/16 13:38	4
Xylenes, Total	ND		8.0	2.6	ug/L			02/04/16 13:38	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*02/04/16 13:38*	*4*
Toluene-d8 (Surr)	*92*		*71 - 126*		*02/04/16 13:38*	*4*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*02/04/16 13:38*	*4*
Dibromofluoromethane (Surr)	*118*		*60 - 140*		*02/04/16 13:38*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 2P 020116

Date Collected: 02/01/16 05:55
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-5

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	**100**		5.0	4.1	ug/L			02/04/16 14:03	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			02/04/16 14:03	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			02/04/16 14:03	5
1,1-Dichloroethane	**10**		5.0	1.9	ug/L			02/04/16 14:03	5
1,1-Dichloroethene	**3.5**	**J**	5.0	1.5	ug/L			02/04/16 14:03	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			02/04/16 14:03	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			02/04/16 14:03	5
2-Hexanone	ND		25	6.2	ug/L			02/04/16 14:03	5
2-Butanone (MEK)	ND		50	6.6	ug/L			02/04/16 14:03	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			02/04/16 14:03	5
Acetone	ND		50	15	ug/L			02/04/16 14:03	5
Benzene	ND		5.0	2.1	ug/L			02/04/16 14:03	5
Bromodichloromethane	ND		5.0	2.0	ug/L			02/04/16 14:03	5
Bromoform	ND		5.0	1.3	ug/L			02/04/16 14:03	5
Bromomethane	ND		5.0	3.5	ug/L			02/04/16 14:03	5
Carbon disulfide	ND		5.0	0.95	ug/L			02/04/16 14:03	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			02/04/16 14:03	5
Chlorobenzene	ND		5.0	3.8	ug/L			02/04/16 14:03	5
Dibromochloromethane	ND		5.0	1.6	ug/L			02/04/16 14:03	5
Chloroethane	ND		5.0	1.6	ug/L			02/04/16 14:03	5
Chloroform	**2.1**	**J**	5.0	1.7	ug/L			02/04/16 14:03	5
Chloromethane	ND		5.0	1.8	ug/L			02/04/16 14:03	5
cis-1,2-Dichloroethene	**13**		5.0	4.1	ug/L			02/04/16 14:03	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			02/04/16 14:03	5
Ethylbenzene	ND		5.0	3.7	ug/L			02/04/16 14:03	5
Methylene Chloride	ND		5.0	2.2	ug/L			02/04/16 14:03	5
Styrene	ND		5.0	3.7	ug/L			02/04/16 14:03	5
Tetrachloroethene	ND		5.0	1.8	ug/L			02/04/16 14:03	5
Toluene	ND		5.0	2.6	ug/L			02/04/16 14:03	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			02/04/16 14:03	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			02/04/16 14:03	5
Trichloroethene	**220**		5.0	2.3	ug/L			02/04/16 14:03	5
Vinyl chloride	ND		5.0	4.5	ug/L			02/04/16 14:03	5
Xylenes, Total	ND		10	3.3	ug/L			02/04/16 14:03	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*119*		*66 - 137*		*02/04/16 14:03*	*5*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/04/16 14:03*	*5*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*02/04/16 14:03*	*5*
Dibromofluoromethane (Surr)	*121*		*60 - 140*		*02/04/16 14:03*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 6P 020116

Date Collected: 02/01/16 05:45
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-6

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	**38**		2.0	1.6	ug/L			02/04/16 14:28	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/04/16 14:28	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/04/16 14:28	2
1,1-Dichloroethane	**6.0**		2.0	0.76	ug/L			02/04/16 14:28	2
1,1-Dichloroethene	**1.1**	**J**	2.0	0.58	ug/L			02/04/16 14:28	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/04/16 14:28	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/04/16 14:28	2
2-Hexanone	ND		10	2.5	ug/L			02/04/16 14:28	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/04/16 14:28	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/04/16 14:28	2
Acetone	ND		20	6.0	ug/L			02/04/16 14:28	2
Benzene	ND		2.0	0.82	ug/L			02/04/16 14:28	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/04/16 14:28	2
Bromoform	ND		2.0	0.52	ug/L			02/04/16 14:28	2
Bromomethane	ND		2.0	1.4	ug/L			02/04/16 14:28	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/04/16 14:28	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/04/16 14:28	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/04/16 14:28	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/04/16 14:28	2
Chloroethane	ND		2.0	0.64	ug/L			02/04/16 14:28	2
Chloroform	ND		2.0	0.68	ug/L			02/04/16 14:28	2
Chloromethane	ND		2.0	0.70	ug/L			02/04/16 14:28	2
cis-1,2-Dichloroethene	**11**		2.0	1.6	ug/L			02/04/16 14:28	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/04/16 14:28	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/04/16 14:28	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/04/16 14:28	2
Styrene	ND		2.0	1.5	ug/L			02/04/16 14:28	2
Tetrachloroethene	**1.1**	**J**	2.0	0.72	ug/L			02/04/16 14:28	2
Toluene	ND		2.0	1.0	ug/L			02/04/16 14:28	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/04/16 14:28	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/04/16 14:28	2
Trichloroethene	**120**		2.0	0.92	ug/L			02/04/16 14:28	2
Vinyl chloride	**2.9**		2.0	1.8	ug/L			02/04/16 14:28	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/04/16 14:28	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*02/04/16 14:28*	*2*
Toluene-d8 (Surr)	*94*		*71 - 126*		*02/04/16 14:28*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*02/04/16 14:28*	*2*
Dibromofluoromethane (Surr)	*118*		*60 - 140*		*02/04/16 14:28*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: ADP-100 020116

Date Collected: 02/01/16 05:40
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-7

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	**40**		2.0	1.6	ug/L			02/04/16 14:54	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/04/16 14:54	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/04/16 14:54	2
1,1-Dichloroethane	**5.9**		2.0	0.76	ug/L			02/04/16 14:54	2
1,1-Dichloroethene	**1.3**	**J**	2.0	0.58	ug/L			02/04/16 14:54	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/04/16 14:54	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/04/16 14:54	2
2-Hexanone	ND		10	2.5	ug/L			02/04/16 14:54	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/04/16 14:54	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/04/16 14:54	2
Acetone	ND		20	6.0	ug/L			02/04/16 14:54	2
Benzene	ND		2.0	0.82	ug/L			02/04/16 14:54	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/04/16 14:54	2
Bromoform	ND		2.0	0.52	ug/L			02/04/16 14:54	2
Bromomethane	ND		2.0	1.4	ug/L			02/04/16 14:54	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/04/16 14:54	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/04/16 14:54	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/04/16 14:54	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/04/16 14:54	2
Chloroethane	ND		2.0	0.64	ug/L			02/04/16 14:54	2
Chloroform	ND		2.0	0.68	ug/L			02/04/16 14:54	2
Chloromethane	ND		2.0	0.70	ug/L			02/04/16 14:54	2
cis-1,2-Dichloroethene	**11**		2.0	1.6	ug/L			02/04/16 14:54	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/04/16 14:54	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/04/16 14:54	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/04/16 14:54	2
Styrene	ND		2.0	1.5	ug/L			02/04/16 14:54	2
Tetrachloroethene	**0.95**	**J**	2.0	0.72	ug/L			02/04/16 14:54	2
Toluene	ND		2.0	1.0	ug/L			02/04/16 14:54	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			02/04/16 14:54	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/04/16 14:54	2
Trichloroethene	**130**		2.0	0.92	ug/L			02/04/16 14:54	2
Vinyl chloride	**3.9**		2.0	1.8	ug/L			02/04/16 14:54	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/04/16 14:54	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*02/04/16 14:54*	*2*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/04/16 14:54*	*2*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*02/04/16 14:54*	*2*
Dibromofluoromethane (Surr)	*120*		*60 - 140*		*02/04/16 14:54*	*2*

Surrogate Summary

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-94671-1	EW 8D 020116	113	91	95	120
480-94671-2	EW 3D 020116	111	91	94	122
480-94671-2 MS	EW 3D 020116	112	95	102	113
480-94671-2 MSD	EW 3D 020116	115	99	107	113
480-94671-3	EW 4P 020116	117	92	93	121
480-94671-5	EW 2P 020116	119	91	93	121
480-94671-6	EW 6P 020116	112	94	97	118
480-94671-7	ADP-100 020116	114	91	92	120

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	(66-137)	(71-126)	(73-120)	(60-140)
480-94671-4	EW 5P 020116	114	92	97	118
LCS 480-286127/4	Lab Control Sample	105	94	101	106
LCS 480-286212/5	Lab Control Sample	112	98	105	109
MB 480-286127/6	Method Blank	111	88	95	115
MB 480-286212/7	Method Blank	113	91	95	116

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 480-286127/6
Matrix: Water
Analysis Batch: 286127

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			02/03/16 19:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/03/16 19:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/03/16 19:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/03/16 19:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/03/16 19:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/03/16 19:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/03/16 19:08	1
2-Hexanone	ND		5.0	1.2	ug/L			02/03/16 19:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/03/16 19:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/03/16 19:08	1
Acetone	ND		10	3.0	ug/L			02/03/16 19:08	1
Benzene	ND		1.0	0.41	ug/L			02/03/16 19:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/03/16 19:08	1
Bromoform	ND		1.0	0.26	ug/L			02/03/16 19:08	1
Bromomethane	ND		1.0	0.69	ug/L			02/03/16 19:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/03/16 19:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/03/16 19:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/03/16 19:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/03/16 19:08	1
Chloroethane	ND		1.0	0.32	ug/L			02/03/16 19:08	1
Chloroform	ND		1.0	0.34	ug/L			02/03/16 19:08	1
Chloromethane	ND		1.0	0.35	ug/L			02/03/16 19:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/03/16 19:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/03/16 19:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/03/16 19:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/03/16 19:08	1
Styrene	ND		1.0	0.73	ug/L			02/03/16 19:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/03/16 19:08	1
Toluene	ND		1.0	0.51	ug/L			02/03/16 19:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/03/16 19:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/03/16 19:08	1
Trichloroethene	ND		1.0	0.46	ug/L			02/03/16 19:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/03/16 19:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/03/16 19:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*02/03/16 19:08*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*02/03/16 19:08*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/03/16 19:08*	*1*
Dibromofluoromethane (Surr)	*115*		*60 - 140*		*02/03/16 19:08*	*1*

Lab Sample ID: LCS 480-286127/4
Matrix: Water
Analysis Batch: 286127

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	27.2		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.4		ug/L		98	70 - 126

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

Lab Sample ID: LCS 480-286127/4
Matrix: Water
Analysis Batch: 286127

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	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	26.3		ug/L		105	71 - 129
1,1-Dichloroethene	25.0	25.7		ug/L		103	58 - 121
1,2-Dichloroethane	25.0	25.8		ug/L		103	75 - 127
1,2-Dichloropropane	25.0	27.5		ug/L		110	76 - 120
2-Hexanone	125	112		ug/L		90	65 - 127
2-Butanone (MEK)	125	118		ug/L		94	57 - 140
4-Methyl-2-pentanone (MIBK)	125	105		ug/L		84	71 - 125
Acetone	125	119		ug/L		95	56 - 142
Benzene	25.0	27.1		ug/L		108	71 - 124
Bromodichloromethane	25.0	27.2		ug/L		109	80 - 122
Bromoform	25.0	26.8		ug/L		107	52 - 132
Bromomethane	25.0	27.6		ug/L		111	55 - 144
Carbon disulfide	25.0	26.6		ug/L		107	59 - 134
Carbon tetrachloride	25.0	29.2		ug/L		117	72 - 134
Chlorobenzene	25.0	25.2		ug/L		101	72 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	27.4		ug/L		110	69 - 136
Chloroform	25.0	25.5		ug/L		102	73 - 127
Chloromethane	25.0	22.3		ug/L		89	68 - 124
cis-1,2-Dichloroethene	25.0	26.4		ug/L		106	74 - 124
cis-1,3-Dichloropropene	25.0	27.0		ug/L		108	74 - 124
Ethylbenzene	25.0	23.5		ug/L		94	77 - 123
Methylene Chloride	25.0	27.8		ug/L		111	57 - 132
Styrene	25.0	24.5		ug/L		98	70 - 130
Tetrachloroethene	25.0	26.5		ug/L		106	74 - 122
Toluene	25.0	24.5		ug/L		98	80 - 122
trans-1,2-Dichloroethene	25.0	26.7		ug/L		107	73 - 127
trans-1,3-Dichloropropene	25.0	23.9		ug/L		96	72 - 123
Trichloroethene	25.0	26.6		ug/L		107	74 - 123
Vinyl chloride	25.0	25.8		ug/L		103	65 - 133
Xylenes, Total	50.0	49.7		ug/L		99	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

Lab Sample ID: 480-94671-2 MS
Matrix: Ground Water
Analysis Batch: 286127

Client Sample ID: EW 3D 020116
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	109		ug/L		109	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	93.4		ug/L		93	70 - 126
1,1,2-Trichloroethane	ND		100	98.8		ug/L		99	76 - 122
1,1-Dichloroethane	ND		100	110		ug/L		110	71 - 129

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

Lab Sample ID: 480-94671-2 MS
Matrix: Ground Water
Analysis Batch: 286127

Client Sample ID: EW 3D 020116
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	99.2		ug/L		99	58 - 121
1,2-Dichloroethane	ND		100	105		ug/L		105	75 - 127
1,2-Dichloropropane	ND	F1	100	110		ug/L		110	76 - 120
2-Hexanone	ND		500	411		ug/L		82	65 - 127
2-Butanone (MEK)	ND		500	456		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	408		ug/L		82	71 - 125
Acetone	ND		500	480		ug/L		96	56 - 142
Benzene	ND		100	111		ug/L		111	71 - 124
Bromodichloromethane	ND		100	110		ug/L		110	80 - 122
Bromoform	ND		100	108		ug/L		108	52 - 132
Bromomethane	ND		100	112		ug/L		112	55 - 144
Carbon disulfide	ND		100	107		ug/L		107	59 - 134
Carbon tetrachloride	ND		100	116		ug/L		116	72 - 134
Chlorobenzene	ND		100	98.5		ug/L		99	72 - 120
Dibromochloromethane	ND		100	101		ug/L		101	75 - 125
Chloroethane	ND		100	113		ug/L		113	69 - 136
Chloroform	ND		100	106		ug/L		106	73 - 127
Chloromethane	ND		100	93.3		ug/L		93	68 - 124
cis-1,2-Dichloroethene	140		100	241		ug/L		98	74 - 124
cis-1,3-Dichloropropene	ND		100	100		ug/L		100	74 - 124
Ethylbenzene	ND		100	90.5		ug/L		91	77 - 123
Methylene Chloride	ND		100	113		ug/L		113	57 - 132
Styrene	ND		100	95.3		ug/L		95	70 - 130
Tetrachloroethene	ND		100	105		ug/L		105	74 - 122
Toluene	ND		100	95.8		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25		100	130		ug/L		105	73 - 127
trans-1,3-Dichloropropene	ND		100	95.0		ug/L		95	72 - 123
Trichloroethene	190		100	273		ug/L		85	74 - 123
Vinyl chloride	ND		100	107		ug/L		107	65 - 133
Xylenes, Total	ND		200	190		ug/L		95	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*113*		*60 - 140*

Lab Sample ID: 480-94671-2 MSD
Matrix: Ground Water
Analysis Batch: 286127

Client Sample ID: EW 3D 020116
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	120		ug/L		120	73 - 126	10	15
1,1,2,2-Tetrachloroethane	ND		100	98.8		ug/L		99	70 - 126	6	15
1,1,2-Trichloroethane	ND		100	109		ug/L		109	76 - 122	10	15
1,1-Dichloroethane	ND		100	121		ug/L		121	71 - 129	9	20
1,1-Dichloroethene	ND		100	113		ug/L		113	58 - 121	13	16
1,2-Dichloroethane	ND		100	117		ug/L		117	75 - 127	10	20

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

Lab Sample ID: 480-94671-2 MSD
Matrix: Ground Water
Analysis Batch: 286127

Client Sample ID: EW 3D 020116
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	F1	100	124	F1	ug/L		124	76 - 120	12	20
2-Hexanone	ND		500	459		ug/L		92	65 - 127	11	15
2-Butanone (MEK)	ND		500	529		ug/L		106	57 - 140	15	20
4-Methyl-2-pentanone (MIBK)	ND		500	451		ug/L		90	71 - 125	10	35
Acetone	ND		500	530		ug/L		106	56 - 142	10	15
Benzene	ND		100	122		ug/L		122	71 - 124	9	13
Bromodichloromethane	ND		100	119		ug/L		119	80 - 122	8	15
Bromoform	ND		100	120		ug/L		120	52 - 132	10	15
Bromomethane	ND		100	119		ug/L		119	55 - 144	6	15
Carbon disulfide	ND		100	118		ug/L		118	59 - 134	10	15
Carbon tetrachloride	ND		100	130		ug/L		130	72 - 134	11	15
Chlorobenzene	ND		100	109		ug/L		109	72 - 120	10	25
Dibromochloromethane	ND		100	111		ug/L		111	75 - 125	9	15
Chloroethane	ND		100	120		ug/L		120	69 - 136	7	15
Chloroform	ND		100	115		ug/L		115	73 - 127	8	20
Chloromethane	ND		100	102		ug/L		102	68 - 124	9	15
cis-1,2-Dichloroethene	140		100	257		ug/L		114	74 - 124	6	15
cis-1,3-Dichloropropene	ND		100	111		ug/L		111	74 - 124	10	15
Ethylbenzene	ND		100	101		ug/L		101	77 - 123	11	15
Methylene Chloride	ND		100	124		ug/L		124	57 - 132	9	15
Styrene	ND		100	106		ug/L		106	70 - 130	11	20
Tetrachloroethene	ND		100	115		ug/L		115	74 - 122	9	20
Toluene	ND		100	106		ug/L		106	80 - 122	10	15
trans-1,2-Dichloroethene	25		100	143		ug/L		118	73 - 127	10	20
trans-1,3-Dichloropropene	ND		100	102		ug/L		102	72 - 123	7	15
Trichloroethene	190		100	289		ug/L		101	74 - 123	6	16
Vinyl chloride	ND		100	115		ug/L		115	65 - 133	7	15
Xylenes, Total	ND		200	214		ug/L		107	76 - 122	12	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*107*		*73 - 120*
Dibromofluoromethane (Surr)	*113*		*60 - 140*

Lab Sample ID: MB 480-286212/7
Matrix: Water
Analysis Batch: 286212

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			02/04/16 11:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/04/16 11:32	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/04/16 11:32	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/04/16 11:32	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/04/16 11:32	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/04/16 11:32	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/04/16 11:32	1
2-Hexanone	ND		5.0	1.2	ug/L			02/04/16 11:32	1

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

Lab Sample ID: MB 480-286212/7
Matrix: Water
Analysis Batch: 286212

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			02/04/16 11:32	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/04/16 11:32	1
Acetone	ND		10	3.0	ug/L			02/04/16 11:32	1
Benzene	ND		1.0	0.41	ug/L			02/04/16 11:32	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/04/16 11:32	1
Bromoform	ND		1.0	0.26	ug/L			02/04/16 11:32	1
Bromomethane	ND		1.0	0.69	ug/L			02/04/16 11:32	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/04/16 11:32	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/04/16 11:32	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/04/16 11:32	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/04/16 11:32	1
Chloroethane	ND		1.0	0.32	ug/L			02/04/16 11:32	1
Chloroform	ND		1.0	0.34	ug/L			02/04/16 11:32	1
Chloromethane	ND		1.0	0.35	ug/L			02/04/16 11:32	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/04/16 11:32	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/04/16 11:32	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/04/16 11:32	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/04/16 11:32	1
Styrene	ND		1.0	0.73	ug/L			02/04/16 11:32	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/04/16 11:32	1
Toluene	ND		1.0	0.51	ug/L			02/04/16 11:32	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/04/16 11:32	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/04/16 11:32	1
Trichloroethene	ND		1.0	0.46	ug/L			02/04/16 11:32	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/04/16 11:32	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/04/16 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*02/04/16 11:32*	*1*
Toluene-d8 (Surr)	*91*		*71 - 126*		*02/04/16 11:32*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*02/04/16 11:32*	*1*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*02/04/16 11:32*	*1*

Lab Sample ID: LCS 480-286212/5
Matrix: Water
Analysis Batch: 286212

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	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.2		ug/L		93	70 - 126
1,1,2-Trichloroethane	25.0	25.3		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	26.7		ug/L		107	71 - 129
1,1-Dichloroethene	25.0	25.6		ug/L		102	58 - 121
1,2-Dichloroethane	25.0	26.8		ug/L		107	75 - 127
1,2-Dichloropropane	25.0	28.2		ug/L		113	76 - 120
2-Hexanone	125	106		ug/L		85	65 - 127
2-Butanone (MEK)	125	116		ug/L		93	57 - 140
4-Methyl-2-pentanone (MIBK)	125	103		ug/L		83	71 - 125

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

Lab Sample ID: LCS 480-286212/5
Matrix: Water
Analysis Batch: 286212

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	115		ug/L		92	56 - 142
Benzene	25.0	27.9		ug/L		112	71 - 124
Bromodichloromethane	25.0	27.7		ug/L		111	80 - 122
Bromoform	25.0	27.6		ug/L		110	52 - 132
Bromomethane	25.0	26.7		ug/L		107	55 - 144
Carbon disulfide	25.0	26.5		ug/L		106	59 - 134
Carbon tetrachloride	25.0	28.9		ug/L		116	72 - 134
Chlorobenzene	25.0	25.0		ug/L		100	72 - 120
Dibromochloromethane	25.0	25.1		ug/L		100	75 - 125
Chloroethane	25.0	27.3		ug/L		109	69 - 136
Chloroform	25.0	26.7		ug/L		107	73 - 127
Chloromethane	25.0	21.7		ug/L		87	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	27.9		ug/L		112	74 - 124
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
Methylene Chloride	25.0	28.2		ug/L		113	57 - 132
Styrene	25.0	24.5		ug/L		98	70 - 130
Tetrachloroethene	25.0	25.5		ug/L		102	74 - 122
Toluene	25.0	24.3		ug/L		97	80 - 122
trans-1,2-Dichloroethene	25.0	27.3		ug/L		109	73 - 127
trans-1,3-Dichloropropene	25.0	24.3		ug/L		97	72 - 123
Trichloroethene	25.0	26.4		ug/L		105	74 - 123
Vinyl chloride	25.0	24.0		ug/L		96	65 - 133
Xylenes, Total	50.0	49.8		ug/L		100	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*
Toluene-d8 (Surr)	*98*		*71 - 126*
4-Bromofluorobenzene (Surr)	*105*		*73 - 120*
Dibromofluoromethane (Surr)	*109*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

GC/MS VOA

Analysis Batch: 286127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94671-1	EW 8D 020116	Total/NA	Ground Water	8260C	
480-94671-2	EW 3D 020116	Total/NA	Ground Water	8260C	
480-94671-2 MS	EW 3D 020116	Total/NA	Ground Water	8260C	
480-94671-2 MSD	EW 3D 020116	Total/NA	Ground Water	8260C	
480-94671-3	EW 4P 020116	Total/NA	Ground Water	8260C	
LCS 480-286127/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-286127/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 286212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-94671-4	EW 5P 020116	Total/NA	Water	8260C	
480-94671-5	EW 2P 020116	Total/NA	Ground Water	8260C	
480-94671-6	EW 6P 020116	Total/NA	Ground Water	8260C	
480-94671-7	ADP-100 020116	Total/NA	Ground Water	8260C	
LCS 480-286212/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-286212/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: EW 8D 020116 — Lab Sample ID: 480-94671-1

Date Collected: 02/01/16 06:55 — **Matrix: Ground Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	286127	02/04/16 01:01	GTG	TAL BUF

Client Sample ID: EW 3D 020116 — Lab Sample ID: 480-94671-2

Date Collected: 02/01/16 06:35 — **Matrix: Ground Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	286127	02/04/16 01:27	GTG	TAL BUF

Client Sample ID: EW 4P 020116 — Lab Sample ID: 480-94671-3

Date Collected: 02/01/16 06:20 — **Matrix: Ground Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	286127	02/04/16 01:52	GTG	TAL BUF

Client Sample ID: EW 5P 020116 — Lab Sample ID: 480-94671-4

Date Collected: 02/01/16 06:15 — **Matrix: Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	286212	02/04/16 13:38	GVF	TAL BUF

Client Sample ID: EW 2P 020116 — Lab Sample ID: 480-94671-5

Date Collected: 02/01/16 05:55 — **Matrix: Ground Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	286212	02/04/16 14:03	GVF	TAL BUF

Client Sample ID: EW 6P 020116 — Lab Sample ID: 480-94671-6

Date Collected: 02/01/16 05:45 — **Matrix: Ground Water**
Date Received: 02/03/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	286212	02/04/16 14:28	GVF	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Client Sample ID: ADP-100 020116

Date Collected: 02/01/16 05:40
Date Received: 02/03/16 10:30

Lab Sample ID: 480-94671-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	286212	02/04/16 14:54	GVF	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 - IRM Weekly

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Primary AB	1	2973	09-11-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

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 - IRM Weekly

TestAmerica Job ID: 480-94671-1
SDG: 480-94671-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-94671-1	EW 8D 020116	Ground Water	02/01/16 06:55	02/03/16 10:30
480-94671-2	EW 3D 020116	Ground Water	02/01/16 06:35	02/03/16 10:30
480-94671-3	EW 4P 020116	Ground Water	02/01/16 06:20	02/03/16 10:30
480-94671-4	EW 5P 020116	Water	02/01/16 06:15	02/03/16 10:30
480-94671-5	EW 2P 020116	Ground Water	02/01/16 05:55	02/03/16 10:30
480-94671-6	EW 6P 020116	Ground Water	02/01/16 05:45	02/03/16 10:30
480-94671-7	ADP-100 020116	Ground Water	02/01/16 05:40	02/03/16 10:30

Chain of Custody Record

Buffalo

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: 2-1-16	Chain of Custody Number: 291922
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 Slove	
Project Name and Location (State): GE IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11311127			

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-8D 020116	2-1-16	6:55		X						3					X	
EW-3D 020116 MS/MSD		6:35		X						9					X	
EW-4P 020116		6:20		X						3					X	
EW-5P 020116		6:15		X						3					X	
EW-2P 020116		5:55		X						3					X	
EW-6P 020116		5:45		X						3					X	
ADP-100 020116		5:40		X						3					X	

480-94671 Chain of Custody

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	2-1-16	8:05	1. Received By: [signature]	2-1-16	9:30
2. Relinquished By: [signature]	2/1/16	14:00	2. Received By: [signature]	2/3/16	1030
3. Relinquished By			3. Received By		

Comments: 3.0 & 2

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: 480-94671-1
SDG Number: 480-94671-1

Login Number: 94671
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.	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: 480-95429-1
TestAmerica Sample Delivery Group: 480-95429-1
Client Project/Site: GE Evendale - 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:
2/29/2016 2:38:23 PM

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

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)

Case Narrative

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Job ID: 480-95429-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95429-1

Receipt
The samples were received on 2/19/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.3º C.

GC/MS VOA
Method(s) 8260C: The following samples was diluted to bring the concentration of target analytes within the calibration range: Influent 021816 (480-95429-2) and Mixing Tank 021816 (480-95429-3). 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 - IRM Weekly

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-95429-1

No Detections.

Client Sample ID: Influent 021816 — Lab Sample ID: 480-95429-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.6		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	66		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	9.2		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	130		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	17		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 021816 — Lab Sample ID: 480-95429-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	30		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	6.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	1.7	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	44		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	5.1		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	100		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	9.8		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 021816 — Lab Sample ID: 480-95429-4

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Client Sample ID: Trip Blank

Date Collected: 02/18/16 00:00
Date Received: 02/19/16 10:00

Lab Sample ID: 480-95429-1

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			02/26/16 00:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/26/16 00:13	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/26/16 00:13	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/26/16 00:13	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/26/16 00:13	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/26/16 00:13	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/26/16 00:13	1
2-Hexanone	ND		5.0	1.2	ug/L			02/26/16 00:13	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/26/16 00:13	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/26/16 00:13	1
Acetone	ND		10	3.0	ug/L			02/26/16 00:13	1
Benzene	ND		1.0	0.41	ug/L			02/26/16 00:13	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/26/16 00:13	1
Bromoform	ND		1.0	0.26	ug/L			02/26/16 00:13	1
Bromomethane	ND		1.0	0.69	ug/L			02/26/16 00:13	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/26/16 00:13	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/26/16 00:13	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/26/16 00:13	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/26/16 00:13	1
Chloroethane	ND		1.0	0.32	ug/L			02/26/16 00:13	1
Chloroform	ND		1.0	0.34	ug/L			02/26/16 00:13	1
Chloromethane	ND		1.0	0.35	ug/L			02/26/16 00:13	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/26/16 00:13	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/26/16 00:13	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/26/16 00:13	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/26/16 00:13	1
Styrene	ND		1.0	0.73	ug/L			02/26/16 00:13	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/26/16 00:13	1
Toluene	ND		1.0	0.51	ug/L			02/26/16 00:13	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/26/16 00:13	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/26/16 00:13	1
Trichloroethene	ND		1.0	0.46	ug/L			02/26/16 00:13	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/26/16 00:13	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/26/16 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*02/26/16 00:13*	*1*
Toluene-d8 (Surr)	*105*		*71 - 126*		*02/26/16 00:13*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*02/26/16 00:13*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*02/26/16 00:13*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Client Sample ID: Influent 021816

Date Collected: 02/18/16 09:15
Date Received: 02/19/16 10:00

Lab Sample ID: 480-95429-2

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	**30**		2.0	1.6	ug/L			02/26/16 01:35	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/26/16 01:35	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/26/16 01:35	2
1,1-Dichloroethane	**6.6**		2.0	0.76	ug/L			02/26/16 01:35	2
1,1-Dichloroethene	**1.9**	**J**	2.0	0.58	ug/L			02/26/16 01:35	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/26/16 01:35	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/26/16 01:35	2
2-Hexanone	ND		10	2.5	ug/L			02/26/16 01:35	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/26/16 01:35	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/26/16 01:35	2
Acetone	ND		20	6.0	ug/L			02/26/16 01:35	2
Benzene	ND		2.0	0.82	ug/L			02/26/16 01:35	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/26/16 01:35	2
Bromoform	ND		2.0	0.52	ug/L			02/26/16 01:35	2
Bromomethane	ND		2.0	1.4	ug/L			02/26/16 01:35	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/26/16 01:35	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/26/16 01:35	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/26/16 01:35	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/26/16 01:35	2
Chloroethane	ND		2.0	0.64	ug/L			02/26/16 01:35	2
Chloroform	ND		2.0	0.68	ug/L			02/26/16 01:35	2
Chloromethane	ND		2.0	0.70	ug/L			02/26/16 01:35	2
cis-1,2-Dichloroethene	**66**		2.0	1.6	ug/L			02/26/16 01:35	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/26/16 01:35	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/26/16 01:35	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/26/16 01:35	2
Styrene	ND		2.0	1.5	ug/L			02/26/16 01:35	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/26/16 01:35	2
Toluene	ND		2.0	1.0	ug/L			02/26/16 01:35	2
trans-1,2-Dichloroethene	**9.2**		2.0	1.8	ug/L			02/26/16 01:35	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/26/16 01:35	2
Trichloroethene	**130**		2.0	0.92	ug/L			02/26/16 01:35	2
Vinyl chloride	**17**		2.0	1.8	ug/L			02/26/16 01:35	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/26/16 01:35	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*02/26/16 01:35*	*2*
Toluene-d8 (Surr)	*105*		*71 - 126*		*02/26/16 01:35*	*2*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*02/26/16 01:35*	*2*
Dibromofluoromethane (Surr)	*113*		*60 - 140*		*02/26/16 01:35*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Client Sample ID: Mixing Tank 021816

Lab Sample ID: 480-95429-3

Date Collected: 02/18/16 09:12
Matrix: Water
Date Received: 02/19/16 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	**30**		2.0	1.6	ug/L			02/26/16 01:07	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			02/26/16 01:07	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			02/26/16 01:07	2
1,1-Dichloroethane	**6.4**		2.0	0.76	ug/L			02/26/16 01:07	2
1,1-Dichloroethene	**1.7**	**J**	2.0	0.58	ug/L			02/26/16 01:07	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			02/26/16 01:07	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			02/26/16 01:07	2
2-Hexanone	ND		10	2.5	ug/L			02/26/16 01:07	2
2-Butanone (MEK)	ND		20	2.6	ug/L			02/26/16 01:07	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			02/26/16 01:07	2
Acetone	ND		20	6.0	ug/L			02/26/16 01:07	2
Benzene	ND		2.0	0.82	ug/L			02/26/16 01:07	2
Bromodichloromethane	ND		2.0	0.78	ug/L			02/26/16 01:07	2
Bromoform	ND		2.0	0.52	ug/L			02/26/16 01:07	2
Bromomethane	ND		2.0	1.4	ug/L			02/26/16 01:07	2
Carbon disulfide	ND		2.0	0.38	ug/L			02/26/16 01:07	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			02/26/16 01:07	2
Chlorobenzene	ND		2.0	1.5	ug/L			02/26/16 01:07	2
Dibromochloromethane	ND		2.0	0.64	ug/L			02/26/16 01:07	2
Chloroethane	ND		2.0	0.64	ug/L			02/26/16 01:07	2
Chloroform	ND		2.0	0.68	ug/L			02/26/16 01:07	2
Chloromethane	ND		2.0	0.70	ug/L			02/26/16 01:07	2
cis-1,2-Dichloroethene	**44**		2.0	1.6	ug/L			02/26/16 01:07	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			02/26/16 01:07	2
Ethylbenzene	ND		2.0	1.5	ug/L			02/26/16 01:07	2
Methylene Chloride	ND		2.0	0.88	ug/L			02/26/16 01:07	2
Styrene	ND		2.0	1.5	ug/L			02/26/16 01:07	2
Tetrachloroethene	ND		2.0	0.72	ug/L			02/26/16 01:07	2
Toluene	ND		2.0	1.0	ug/L			02/26/16 01:07	2
trans-1,2-Dichloroethene	**5.1**		2.0	1.8	ug/L			02/26/16 01:07	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			02/26/16 01:07	2
Trichloroethene	**100**		2.0	0.92	ug/L			02/26/16 01:07	2
Vinyl chloride	**9.8**		2.0	1.8	ug/L			02/26/16 01:07	2
Xylenes, Total	ND		4.0	1.3	ug/L			02/26/16 01:07	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*02/26/16 01:07*	*2*
Toluene-d8 (Surr)	*105*		*71 - 126*		*02/26/16 01:07*	*2*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*02/26/16 01:07*	*2*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*02/26/16 01:07*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Client Sample ID: Effluent 021816

Lab Sample ID: 480-95429-4

Date Collected: 02/18/16 09:10
Matrix: Water
Date Received: 02/19/16 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			02/26/16 00:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/26/16 00:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/26/16 00:40	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/26/16 00:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/26/16 00:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/26/16 00:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/26/16 00:40	1
2-Hexanone	ND		5.0	1.2	ug/L			02/26/16 00:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/26/16 00:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/26/16 00:40	1
Acetone	ND		10	3.0	ug/L			02/26/16 00:40	1
Benzene	ND		1.0	0.41	ug/L			02/26/16 00:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/26/16 00:40	1
Bromoform	ND		1.0	0.26	ug/L			02/26/16 00:40	1
Bromomethane	ND		1.0	0.69	ug/L			02/26/16 00:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/26/16 00:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/26/16 00:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/26/16 00:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/26/16 00:40	1
Chloroethane	ND		1.0	0.32	ug/L			02/26/16 00:40	1
Chloroform	ND		1.0	0.34	ug/L			02/26/16 00:40	1
Chloromethane	ND		1.0	0.35	ug/L			02/26/16 00:40	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/26/16 00:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/26/16 00:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/26/16 00:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/26/16 00:40	1
Styrene	ND		1.0	0.73	ug/L			02/26/16 00:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/26/16 00:40	1
Toluene	ND		1.0	0.51	ug/L			02/26/16 00:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/26/16 00:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/26/16 00:40	1
Trichloroethene	ND		1.0	0.46	ug/L			02/26/16 00:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/26/16 00:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/26/16 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*02/26/16 00:40*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*02/26/16 00:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*02/26/16 00:40*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*02/26/16 00:40*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-95429-1	Trip Blank	110	105	94	107
480-95429-2	Influent 021816	115	105	94	113
480-95429-3	Mixing Tank 021816	115	105	93	112
480-95429-4	Effluent 021816	109	101	92	106
LCS 480-288717/4	Lab Control Sample	107	106	102	106
MB 480-288717/6	Method Blank	115	107	97	111

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 - IRM Weekly

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

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

Lab Sample ID: MB 480-288717/6
Matrix: Water
Analysis Batch: 288717

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			02/25/16 23:33	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			02/25/16 23:33	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			02/25/16 23:33	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			02/25/16 23:33	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			02/25/16 23:33	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			02/25/16 23:33	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			02/25/16 23:33	1
2-Hexanone	ND		5.0	1.2	ug/L			02/25/16 23:33	1
2-Butanone (MEK)	ND		10	1.3	ug/L			02/25/16 23:33	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			02/25/16 23:33	1
Acetone	ND		10	3.0	ug/L			02/25/16 23:33	1
Benzene	ND		1.0	0.41	ug/L			02/25/16 23:33	1
Bromodichloromethane	ND		1.0	0.39	ug/L			02/25/16 23:33	1
Bromoform	ND		1.0	0.26	ug/L			02/25/16 23:33	1
Bromomethane	ND		1.0	0.69	ug/L			02/25/16 23:33	1
Carbon disulfide	ND		1.0	0.19	ug/L			02/25/16 23:33	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			02/25/16 23:33	1
Chlorobenzene	ND		1.0	0.75	ug/L			02/25/16 23:33	1
Dibromochloromethane	ND		1.0	0.32	ug/L			02/25/16 23:33	1
Chloroethane	ND		1.0	0.32	ug/L			02/25/16 23:33	1
Chloroform	ND		1.0	0.34	ug/L			02/25/16 23:33	1
Chloromethane	ND		1.0	0.35	ug/L			02/25/16 23:33	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			02/25/16 23:33	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			02/25/16 23:33	1
Ethylbenzene	ND		1.0	0.74	ug/L			02/25/16 23:33	1
Methylene Chloride	ND		1.0	0.44	ug/L			02/25/16 23:33	1
Styrene	ND		1.0	0.73	ug/L			02/25/16 23:33	1
Tetrachloroethene	ND		1.0	0.36	ug/L			02/25/16 23:33	1
Toluene	ND		1.0	0.51	ug/L			02/25/16 23:33	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			02/25/16 23:33	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			02/25/16 23:33	1
Trichloroethene	ND		1.0	0.46	ug/L			02/25/16 23:33	1
Vinyl chloride	ND		1.0	0.90	ug/L			02/25/16 23:33	1
Xylenes, Total	ND		2.0	0.66	ug/L			02/25/16 23:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*66 - 137*		*02/25/16 23:33*	*1*
Toluene-d8 (Surr)	*107*		*71 - 126*		*02/25/16 23:33*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*02/25/16 23:33*	*1*
Dibromofluoromethane (Surr)	*111*		*60 - 140*		*02/25/16 23:33*	*1*

Lab Sample ID: LCS 480-288717/4
Matrix: Water
Analysis Batch: 288717

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	24.5		ug/L		98	73 - 126
1,1,2,2-Tetrachloroethane	25.0	22.9		ug/L		92	70 - 126

TestAmerica Buffalo

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

Lab Sample ID: LCS 480-288717/4
Matrix: Water
Analysis Batch: 288717

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	25.0		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	23.5		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	24.5		ug/L		98	58 - 121
1,2-Dichloroethane	25.0	24.0		ug/L		96	75 - 127
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120
2-Hexanone	125	112		ug/L		90	65 - 127
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	125	114		ug/L		91	71 - 125
Acetone	125	114		ug/L		91	56 - 142
Benzene	25.0	24.0		ug/L		96	71 - 124
Bromodichloromethane	25.0	24.7		ug/L		99	80 - 122
Bromoform	25.0	22.1		ug/L		88	52 - 132
Bromomethane	25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	25.0	23.6		ug/L		94	59 - 134
Carbon tetrachloride	25.0	23.7		ug/L		95	72 - 134
Chlorobenzene	25.0	24.0		ug/L		96	72 - 120
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	24.4		ug/L		98	73 - 127
Chloromethane	25.0	19.6		ug/L		78	68 - 124
cis-1,2-Dichloroethene	25.0	24.7		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	26.0		ug/L		104	74 - 124
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Methylene Chloride	25.0	23.9		ug/L		96	57 - 132
Styrene	25.0	25.6		ug/L		102	70 - 130
Tetrachloroethene	25.0	24.4		ug/L		97	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	24.7		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	72 - 123
Trichloroethene	25.0	25.1		ug/L		100	74 - 123
Vinyl chloride	25.0	20.7		ug/L		83	65 - 133
Xylenes, Total	50.0	48.4		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*
Toluene-d8 (Surr)	*106*		*71 - 126*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

GC/MS VOA

Analysis Batch: 288717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95429-1	Trip Blank	Total/NA	Water	8260C	
480-95429-2	Influent 021816	Total/NA	Water	8260C	
480-95429-3	Mixing Tank 021816	Total/NA	Water	8260C	
480-95429-4	Effluent 021816	Total/NA	Water	8260C	
LCS 480-288717/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-288717/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-95429-1

Date Collected: 02/18/16 00:00 — **Matrix: Water**
Date Received: 02/19/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288717	02/26/16 00:13	GTG	TAL BUF

Client Sample ID: Influent 021816 — Lab Sample ID: 480-95429-2

Date Collected: 02/18/16 09:15 — **Matrix: Water**
Date Received: 02/19/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	288717	02/26/16 01:35	GTG	TAL BUF

Client Sample ID: Mixing Tank 021816 — Lab Sample ID: 480-95429-3

Date Collected: 02/18/16 09:12 — **Matrix: Water**
Date Received: 02/19/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	288717	02/26/16 01:07	GTG	TAL BUF

Client Sample ID: Effluent 021816 — Lab Sample ID: 480-95429-4

Date Collected: 02/18/16 09:10 — **Matrix: Water**
Date Received: 02/19/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	288717	02/26/16 00:40	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

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 - IRM Weekly

TestAmerica Job ID: 480-95429-1
SDG: 480-95429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95429-1	Trip Blank	Water	02/18/16 00:00	02/19/16 10:00
480-95429-2	Influent 021816	Water	02/18/16 09:15	02/19/16 10:00
480-95429-3	Mixing Tank 021816	Water	02/18/16 09:12	02/19/16 10:00
480-95429-4	Effluent 021816	Water	02/18/16 09:10	02/19/16 10:00

Buffalo

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 2-18-2016	Chain of Custody Number: 291924
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	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			

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

Special Instructions/ Conditions of Receipt

480-95429 Chain of Custody

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	2-18-16			X							2				X
Influent 021816	↓	9:15		X							3				X
Mixing Tank 021816	↓	9:12		X							3				X
Effluent 021816	↓	9:10		X							3				X

Cincinnati

210501

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)

1. Relinquished By: Mike McLaughlin	Date: 2-18-16	Time: 10:17	1. Received By: [signature]	Date: 2/18/16	Time: 10:17
2. Relinquished By: [signature]	Date: 2-18-16	Time:	2. Received By: [signature]	Date: 2/19/16	Time: 1000
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 3.3 °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: 480-95429-1
SDG Number: 480-95429-1

Login Number: 95429
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.	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: 480-95878-1
TestAmerica Sample Delivery Group: 480-95429-1
Client Project/Site: GE Evendale - IRM Weekly

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

Attn: Chase Forman

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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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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 Evendale - IRM Weekly

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Job ID: 480-95878-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95878-1

Receipt
The samples were received on 3/2/2016 10:30 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 following samples were diluted to bring the concentration of target analytes within the calibration range: Influent 030116 (480-95878-2) and Mixing Tank 030116 (480-95878-3). 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 - IRM Weekly

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-95878-1

No Detections.

Client Sample ID: Influent 030116 — Lab Sample ID: 480-95878-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	29		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	5.7		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	5.3		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	60		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	7.6		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	23		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 030116 — Lab Sample ID: 480-95878-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	29		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
1,1-Dichloroethene	6.5		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	51		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.1		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	15		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 030116 — Lab Sample ID: 480-95878-4

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Client Sample ID: Trip Blank

Date Collected: 03/01/16 00:00
Date Received: 03/02/16 10:30

Lab Sample ID: 480-95878-1

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			03/02/16 21:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 21:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 21:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/02/16 21:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/02/16 21:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 21:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 21:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 21:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 21:51	1
Acetone	ND		10	3.0	ug/L			03/02/16 21:51	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 21:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 21:51	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 21:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 21:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 21:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 21:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 21:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 21:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 21:51	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 21:51	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 21:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/02/16 21:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 21:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 21:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 21:51	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 21:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 21:51	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 21:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 21:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 21:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/02/16 21:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/02/16 21:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 21:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/02/16 21:51*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/02/16 21:51*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 21:51*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*03/02/16 21:51*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Client Sample ID: Influent 030116

Lab Sample ID: 480-95878-2

Date Collected: 03/01/16 07:35
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**29**		2.0	1.6	ug/L			03/03/16 23:45	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/03/16 23:45	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/03/16 23:45	2
1,1-Dichloroethane	**5.7**		2.0	0.76	ug/L			03/03/16 23:45	2
1,1-Dichloroethene	**5.3**		2.0	0.58	ug/L			03/03/16 23:45	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/03/16 23:45	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/03/16 23:45	2
2-Hexanone	ND		10	2.5	ug/L			03/03/16 23:45	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/03/16 23:45	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/03/16 23:45	2
Acetone	ND		20	6.0	ug/L			03/03/16 23:45	2
Benzene	ND		2.0	0.82	ug/L			03/03/16 23:45	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/03/16 23:45	2
Bromoform	ND		2.0	0.52	ug/L			03/03/16 23:45	2
Bromomethane	ND		2.0	1.4	ug/L			03/03/16 23:45	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/03/16 23:45	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/03/16 23:45	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/03/16 23:45	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/03/16 23:45	2
Chloroethane	ND		2.0	0.64	ug/L			03/03/16 23:45	2
Chloroform	ND		2.0	0.68	ug/L			03/03/16 23:45	2
Chloromethane	ND		2.0	0.70	ug/L			03/03/16 23:45	2
cis-1,2-Dichloroethene	**60**		2.0	1.6	ug/L			03/03/16 23:45	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/03/16 23:45	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/03/16 23:45	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/03/16 23:45	2
Styrene	ND		2.0	1.5	ug/L			03/03/16 23:45	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/03/16 23:45	2
Toluene	ND		2.0	1.0	ug/L			03/03/16 23:45	2
trans-1,2-Dichloroethene	**7.6**		2.0	1.8	ug/L			03/03/16 23:45	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/03/16 23:45	2
Trichloroethene	**110**		2.0	0.92	ug/L			03/03/16 23:45	2
Vinyl chloride	**23**		2.0	1.8	ug/L			03/03/16 23:45	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/03/16 23:45	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/03/16 23:45*	*2*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/03/16 23:45*	*2*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/03/16 23:45*	*2*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/03/16 23:45*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Client Sample ID: Mixing Tank 030116

Lab Sample ID: 480-95878-3

Date Collected: 03/01/16 07:33
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**29**		2.0	1.6	ug/L			03/03/16 23:18	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/03/16 23:18	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/03/16 23:18	2
1,1-Dichloroethane	**6.3**		2.0	0.76	ug/L			03/03/16 23:18	2
1,1-Dichloroethene	**6.5**		2.0	0.58	ug/L			03/03/16 23:18	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/03/16 23:18	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/03/16 23:18	2
2-Hexanone	ND		10	2.5	ug/L			03/03/16 23:18	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/03/16 23:18	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/03/16 23:18	2
Acetone	ND		20	6.0	ug/L			03/03/16 23:18	2
Benzene	ND		2.0	0.82	ug/L			03/03/16 23:18	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/03/16 23:18	2
Bromoform	ND		2.0	0.52	ug/L			03/03/16 23:18	2
Bromomethane	ND		2.0	1.4	ug/L			03/03/16 23:18	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/03/16 23:18	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/03/16 23:18	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/03/16 23:18	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/03/16 23:18	2
Chloroethane	ND		2.0	0.64	ug/L			03/03/16 23:18	2
Chloroform	ND		2.0	0.68	ug/L			03/03/16 23:18	2
Chloromethane	ND		2.0	0.70	ug/L			03/03/16 23:18	2
cis-1,2-Dichloroethene	**51**		2.0	1.6	ug/L			03/03/16 23:18	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/03/16 23:18	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/03/16 23:18	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/03/16 23:18	2
Styrene	ND		2.0	1.5	ug/L			03/03/16 23:18	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/03/16 23:18	2
Toluene	ND		2.0	1.0	ug/L			03/03/16 23:18	2
trans-1,2-Dichloroethene	**6.1**		2.0	1.8	ug/L			03/03/16 23:18	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/03/16 23:18	2
Trichloroethene	**110**		2.0	0.92	ug/L			03/03/16 23:18	2
Vinyl chloride	**15**		2.0	1.8	ug/L			03/03/16 23:18	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/03/16 23:18	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/03/16 23:18*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*03/03/16 23:18*	*2*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/03/16 23:18*	*2*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*03/03/16 23:18*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Client Sample ID: Effluent 030116

Lab Sample ID: 480-95878-4

Date Collected: 03/01/16 07:25
Matrix: Water
Date Received: 03/02/16 10:30

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			03/03/16 22:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 22:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 22:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/03/16 22:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/03/16 22:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 22:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 22:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 22:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 22:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 22:51	1
Acetone	ND		10	3.0	ug/L			03/03/16 22:51	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 22:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 22:51	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 22:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 22:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 22:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 22:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 22:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 22:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 22:51	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 22:51	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 22:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/16 22:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 22:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 22:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 22:51	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 22:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 22:51	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 22:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 22:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 22:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 22:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/03/16 22:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 22:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*03/03/16 22:51*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/03/16 22:51*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/03/16 22:51*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/03/16 22:51*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-95878-1	Trip Blank	104	93	87	99
480-95878-2	Influent 030116	105	95	89	101
480-95878-3	Mixing Tank 030116	102	92	87	99
480-95878-4	Effluent 030116	103	94	87	100
LCS 480-289295/5	Lab Control Sample	102	96	93	100
LCS 480-289665/5	Lab Control Sample	101	94	93	100
MB 480-289295/7	Method Blank	102	93	87	98
MB 480-289665/7	Method Blank	101	93	88	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 Evendale - IRM Weekly

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

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

Lab Sample ID: MB 480-289295/7
Matrix: Water
Analysis Batch: 289295

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			03/02/16 21:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 21:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 21:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/02/16 21:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/02/16 21:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 21:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 21:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 21:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 21:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 21:07	1
Acetone	ND		10	3.0	ug/L			03/02/16 21:07	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 21:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 21:07	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 21:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 21:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 21:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 21:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 21:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 21:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 21:07	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 21:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 21:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/02/16 21:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 21:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 21:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 21:07	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 21:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 21:07	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 21:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 21:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 21:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/02/16 21:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/02/16 21:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 21:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/02/16 21:07*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/02/16 21:07*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 21:07*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/02/16 21:07*	*1*

Lab Sample ID: LCS 480-289295/5
Matrix: Water
Analysis Batch: 289295

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	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 126

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

Lab Sample ID: LCS 480-289295/5
Matrix: Water
Analysis Batch: 289295

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	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	58 - 121
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 127
1,2-Dichloropropane	25.0	24.4		ug/L		97	76 - 120
2-Hexanone	125	137		ug/L		110	65 - 127
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	132		ug/L		105	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	26.2		ug/L		105	52 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	25.0		ug/L		100	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	72 - 120
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Chloroethane	25.0	26.4		ug/L		106	69 - 136
Chloroform	25.0	26.2		ug/L		105	73 - 127
Chloromethane	25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		105	74 - 124
Ethylbenzene	25.0	24.9		ug/L		99	77 - 123
Methylene Chloride	25.0	24.3		ug/L		97	57 - 132
Styrene	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	72 - 123
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
Xylenes, Total	50.0	48.3		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: MB 480-289665/7
Matrix: Water
Analysis Batch: 289665

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			03/03/16 21:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 21:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 21:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/03/16 21:51	1

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

Lab Sample ID: MB 480-289665/7
Matrix: Water
Analysis Batch: 289665

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			03/03/16 21:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 21:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 21:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 21:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 21:51	1
Acetone	ND		10	3.0	ug/L			03/03/16 21:51	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 21:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 21:51	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 21:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 21:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 21:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 21:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 21:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 21:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 21:51	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 21:51	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 21:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/16 21:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 21:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 21:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 21:51	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 21:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 21:51	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 21:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 21:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 21:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 21:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/03/16 21:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 21:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/03/16 21:51*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 21:51*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/03/16 21:51*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/03/16 21:51*	*1*

Lab Sample ID: LCS 480-289665/5
Matrix: Water
Analysis Batch: 289665

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	28.2		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	70 - 126
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	25.1		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	25.4		ug/L		102	58 - 121
1,2-Dichloroethane	25.0	26.6		ug/L		106	75 - 127

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

Lab Sample ID: LCS 480-289665/5
Matrix: Water
Analysis Batch: 289665

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	24.3		ug/L		97	76 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		108	71 - 125
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	25.8		ug/L		103	52 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	72 - 120
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125
Chloroethane	25.0	24.9		ug/L		99	69 - 136
Chloroform	25.0	26.1		ug/L		105	73 - 127
Chloromethane	25.0	27.2		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		105	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methylene Chloride	25.0	24.0		ug/L		96	57 - 132
Styrene	25.0	25.2		ug/L		101	70 - 130
Tetrachloroethene	25.0	23.9		ug/L		96	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	72 - 123
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

GC/MS VOA

Analysis Batch: 289295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95878-1	Trip Blank	Total/NA	Water	8260C	
LCS 480-289295/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289295/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 289665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95878-2	Influent 030116	Total/NA	Water	8260C	
480-95878-3	Mixing Tank 030116	Total/NA	Water	8260C	
480-95878-4	Effluent 030116	Total/NA	Water	8260C	
LCS 480-289665/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289665/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-95878-1

Date Collected: 03/01/16 00:00 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/02/16 21:51	CDC	TAL BUF

Client Sample ID: Influent 030116 — Lab Sample ID: 480-95878-2

Date Collected: 03/01/16 07:35 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	289665	03/03/16 23:45	CDC	TAL BUF

Client Sample ID: Mixing Tank 030116 — Lab Sample ID: 480-95878-3

Date Collected: 03/01/16 07:33 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	289665	03/03/16 23:18	CDC	TAL BUF

Client Sample ID: Effluent 030116 — Lab Sample ID: 480-95878-4

Date Collected: 03/01/16 07:25 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289665	03/03/16 22:51	CDC	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 - IRM Weekly

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

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 - IRM Weekly

TestAmerica Job ID: 480-95878-1
SDG: 480-95429-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95878-1	Trip Blank	Water	03/01/16 00:00	03/02/16 10:30
480-95878-2	Influent 030116	Water	03/01/16 07:35	03/02/16 10:30
480-95878-3	Mixing Tank 030116	Water	03/01/16 07:33	03/02/16 10:30
480-95878-4	Effluent 030116	Water	03/01/16 07:25	03/02/16 10:30

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere	Project Manager: Scott McQueen	Date: 3-1-16	Chain of Custody Number: 291925
Address: 8805 Governors Hill Dr	Telephone Number (Area Code)/Fax Number: 610-405-7729	Lab Number	Page 1 of 1
City: Cincinnati; State: OH; Zip Code	Site Contact: Mike McLaughlin	Lab Contact: John Schove	
Project Name and Location (State): GE-IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 11311127			

Analysis (Attach list if more space is needed): VOC's (8260B)

Special Instructions/ Conditions of Receipt

480-95878 Chain of Custody

Cincinnati

210501

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	VOC's (8260B)
Trip Blank	3-1-16			X						2			X
Influent 030116	↓	7:35		X						3			X
Mixing Tank 030116	↓	7:33		X						3			X
Effluent 030116	↓	7:25		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)

1. Relinquished By: Mike McLaughlin	Date: 3-1-16	Time: 1149	1. Received By: [signature]	Date: 3/1/16	Time: 11:49
2. Relinquished By: [signature]	Date: 3/1/16	Time: 12:00	2. Received By: [signature]	Date: 3/2/16	Time: 1030
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: 3.0 #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: 480-95878-1
SDG Number: 480-95429-1

Login Number: 95878
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.	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: 480-95880-1
Client Project/Site: GE - Evendale, OH Site

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:
3/7/2016 2:08:18 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 - Evendale, OH Site

TestAmerica Job ID: 480-95880-1

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)

Case Narrative

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

TestAmerica Job ID: 480-95880-1

Job ID: 480-95880-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95880-1

Receipt
The samples were received on 3/2/2016 10:30 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 following samples was diluted to bring the concentration of target analytes within the calibration range: PMW-3P-030116 (480-95880-1) and OSMW-3D-030116 (480-95880-8). 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: 480-95880-1

Client Sample ID: PMW-3P-030116 — Lab Sample ID: 480-95880-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	47		5.0	1.9	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	150		5.0	4.1	ug/L	5		8260C	Total/NA
Trichloroethene	20		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: PMW-3S-030116 — Lab Sample ID: 480-95880-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.6		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	0.92	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	26		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	15		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	9.9		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-3D-030116 — Lab Sample ID: 480-95880-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	3.0		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.6		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	9.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10P-030116 — Lab Sample ID: 480-95880-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	5.1		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	19		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.1		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	39		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	22		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10S-030116 — Lab Sample ID: 480-95880-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	4.9		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	3.1		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	1.1		1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	7.3		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	29		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-10D-030116 — Lab Sample ID: 480-95880-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3S-030116 — Lab Sample ID: 480-95880-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	1.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-3D-030116 — Lab Sample ID: 480-95880-8

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-3D-030116 (Continued) — Lab Sample ID: 480-95880-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	280		10	8.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	22		10	9.0	ug/L	10		8260C	Total/NA
Trichloroethene	150		10	4.6	ug/L	10		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-95880-9

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 - Evendale, OH Site

TestAmerica Job ID: 480-95880-1

Client Sample ID: PMW-3P-030116

Date Collected: 03/01/16 13:56
Date Received: 03/02/16 10:30

Lab Sample ID: 480-95880-1

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		5.0	4.1	ug/L			03/02/16 22:18	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/02/16 22:18	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/02/16 22:18	5
1,1-Dichloroethane	**47**		5.0	1.9	ug/L			03/02/16 22:18	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/02/16 22:18	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/02/16 22:18	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/02/16 22:18	5
2-Hexanone	ND		25	6.2	ug/L			03/02/16 22:18	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/02/16 22:18	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/02/16 22:18	5
Acetone	ND		50	15	ug/L			03/02/16 22:18	5
Benzene	ND		5.0	2.1	ug/L			03/02/16 22:18	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/02/16 22:18	5
Bromoform	ND		5.0	1.3	ug/L			03/02/16 22:18	5
Bromomethane	ND		5.0	3.5	ug/L			03/02/16 22:18	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/02/16 22:18	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/02/16 22:18	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/02/16 22:18	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/02/16 22:18	5
Chloroethane	ND		5.0	1.6	ug/L			03/02/16 22:18	5
Chloroform	ND		5.0	1.7	ug/L			03/02/16 22:18	5
Chloromethane	ND		5.0	1.8	ug/L			03/02/16 22:18	5
cis-1,2-Dichloroethene	**150**		5.0	4.1	ug/L			03/02/16 22:18	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/02/16 22:18	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/02/16 22:18	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/02/16 22:18	5
Styrene	ND		5.0	3.7	ug/L			03/02/16 22:18	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/02/16 22:18	5
Toluene	ND		5.0	2.6	ug/L			03/02/16 22:18	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/02/16 22:18	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/02/16 22:18	5
Trichloroethene	**20**		5.0	2.3	ug/L			03/02/16 22:18	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/02/16 22:18	5
Xylenes, Total	ND		10	3.3	ug/L			03/02/16 22:18	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/02/16 22:18*	*5*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/02/16 22:18*	*5*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 22:18*	*5*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/02/16 22:18*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: PMW-3S-030116

Lab Sample ID: 480-95880-2

Date Collected: 03/01/16 14:03
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**4.6**		1.0	0.82	ug/L			03/02/16 22:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 22:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 22:45	1
1,1-Dichloroethane	**4.0**		1.0	0.38	ug/L			03/02/16 22:45	1
1,1-Dichloroethene	**0.92**	**J**	1.0	0.29	ug/L			03/02/16 22:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 22:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 22:45	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 22:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 22:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 22:45	1
Acetone	ND		10	3.0	ug/L			03/02/16 22:45	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 22:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 22:45	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 22:45	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 22:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 22:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 22:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 22:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 22:45	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 22:45	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 22:45	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 22:45	1
cis-1,2-Dichloroethene	**26**		1.0	0.81	ug/L			03/02/16 22:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 22:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 22:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 22:45	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 22:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 22:45	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 22:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 22:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 22:45	1
Trichloroethene	**15**		1.0	0.46	ug/L			03/02/16 22:45	1
Vinyl chloride	**9.9**		1.0	0.90	ug/L			03/02/16 22:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 22:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/02/16 22:45*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/02/16 22:45*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/02/16 22:45*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/02/16 22:45*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: PMW-3D-030116

Lab Sample ID: 480-95880-3

Date Collected: 03/01/16 14:07
Matrix: Water
Date Received: 03/02/16 10:30

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			03/02/16 23:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 23:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 23:12	1
1,1-Dichloroethane	**3.0**		1.0	0.38	ug/L			03/02/16 23:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/02/16 23:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 23:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 23:12	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 23:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 23:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 23:12	1
Acetone	ND		10	3.0	ug/L			03/02/16 23:12	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 23:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 23:12	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 23:12	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 23:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 23:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 23:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 23:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 23:12	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 23:12	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 23:12	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 23:12	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.81	ug/L			03/02/16 23:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 23:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 23:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 23:12	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 23:12	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 23:12	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 23:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 23:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 23:12	1
Trichloroethene	ND		1.0	0.46	ug/L			03/02/16 23:12	1
Vinyl chloride	**9.1**		1.0	0.90	ug/L			03/02/16 23:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 23:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/02/16 23:12*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/02/16 23:12*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 23:12*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/02/16 23:12*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-10P-030116

Lab Sample ID: 480-95880-4

Date Collected: 03/01/16 14:32
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**5.1**		1.0	0.82	ug/L			03/02/16 23:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 23:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 23:40	1
1,1-Dichloroethane	**19**		1.0	0.38	ug/L			03/02/16 23:40	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			03/02/16 23:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 23:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 23:40	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 23:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 23:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 23:40	1
Acetone	ND		10	3.0	ug/L			03/02/16 23:40	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 23:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 23:40	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 23:40	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 23:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 23:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 23:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 23:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 23:40	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 23:40	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 23:40	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 23:40	1
cis-1,2-Dichloroethene	**39**		1.0	0.81	ug/L			03/02/16 23:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 23:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 23:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 23:40	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 23:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 23:40	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 23:40	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 23:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 23:40	1
Trichloroethene	**22**		1.0	0.46	ug/L			03/02/16 23:40	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/02/16 23:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 23:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/02/16 23:40*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/02/16 23:40*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 23:40*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/02/16 23:40*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-10S-030116

Lab Sample ID: 480-95880-5

Date Collected: 03/01/16 14:34
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**4.9**		1.0	0.82	ug/L			03/03/16 00:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 00:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 00:07	1
1,1-Dichloroethane	**3.1**		1.0	0.38	ug/L			03/03/16 00:07	1
1,1-Dichloroethene	**1.1**		1.0	0.29	ug/L			03/03/16 00:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 00:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 00:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 00:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 00:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 00:07	1
Acetone	ND		10	3.0	ug/L			03/03/16 00:07	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 00:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 00:07	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 00:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 00:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 00:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 00:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 00:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 00:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 00:07	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 00:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 00:07	1
cis-1,2-Dichloroethene	**7.3**		1.0	0.81	ug/L			03/03/16 00:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 00:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 00:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 00:07	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 00:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 00:07	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 00:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 00:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 00:07	1
Trichloroethene	**29**		1.0	0.46	ug/L			03/03/16 00:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/03/16 00:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/03/16 00:07*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 00:07*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/03/16 00:07*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/03/16 00:07*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-10D-030116

Lab Sample ID: 480-95880-6

Date Collected: 03/01/16 14:38
Matrix: Water
Date Received: 03/02/16 10:30

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			03/03/16 00:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 00:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 00:34	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/03/16 00:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/03/16 00:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 00:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 00:34	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 00:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 00:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 00:34	1
Acetone	ND		10	3.0	ug/L			03/03/16 00:34	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 00:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 00:34	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 00:34	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 00:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 00:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 00:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 00:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 00:34	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 00:34	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 00:34	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 00:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/16 00:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 00:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 00:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 00:34	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 00:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 00:34	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 00:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 00:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 00:34	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 00:34	1
Vinyl chloride	**1.6**		1.0	0.90	ug/L			03/03/16 00:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 00:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/03/16 00:34*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/03/16 00:34*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/03/16 00:34*	*1*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*03/03/16 00:34*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-3S-030116

Lab Sample ID: 480-95880-7

Date Collected: 03/01/16 15:05
Matrix: Water
Date Received: 03/02/16 10:30

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			03/03/16 01:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 01:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 01:01	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/03/16 01:01	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/03/16 01:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 01:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 01:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 01:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 01:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 01:01	1
Acetone	ND		10	3.0	ug/L			03/03/16 01:01	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 01:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 01:01	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 01:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 01:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 01:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 01:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 01:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 01:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 01:01	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 01:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 01:01	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/16 01:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 01:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 01:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 01:01	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 01:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 01:01	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 01:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 01:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 01:01	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 01:01	1
Vinyl chloride	**1.0**		1.0	0.90	ug/L			03/03/16 01:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 01:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/03/16 01:01*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 01:01*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/03/16 01:01*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/03/16 01:01*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-3D-030116

Lab Sample ID: 480-95880-8

Date Collected: 03/01/16 15:10
Matrix: Water
Date Received: 03/02/16 10:30

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			03/03/16 01:28	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/03/16 01:28	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/03/16 01:28	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/03/16 01:28	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/03/16 01:28	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/03/16 01:28	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/03/16 01:28	10
2-Hexanone	ND		50	12	ug/L			03/03/16 01:28	10
2-Butanone (MEK)	ND		100	13	ug/L			03/03/16 01:28	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/03/16 01:28	10
Acetone	ND		100	30	ug/L			03/03/16 01:28	10
Benzene	ND		10	4.1	ug/L			03/03/16 01:28	10
Bromodichloromethane	ND		10	3.9	ug/L			03/03/16 01:28	10
Bromoform	ND		10	2.6	ug/L			03/03/16 01:28	10
Bromomethane	ND		10	6.9	ug/L			03/03/16 01:28	10
Carbon disulfide	ND		10	1.9	ug/L			03/03/16 01:28	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/03/16 01:28	10
Chlorobenzene	ND		10	7.5	ug/L			03/03/16 01:28	10
Dibromochloromethane	ND		10	3.2	ug/L			03/03/16 01:28	10
Chloroethane	ND		10	3.2	ug/L			03/03/16 01:28	10
Chloroform	ND		10	3.4	ug/L			03/03/16 01:28	10
Chloromethane	ND		10	3.5	ug/L			03/03/16 01:28	10
cis-1,2-Dichloroethene	**280**		10	8.1	ug/L			03/03/16 01:28	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/03/16 01:28	10
Ethylbenzene	ND		10	7.4	ug/L			03/03/16 01:28	10
Methylene Chloride	ND		10	4.4	ug/L			03/03/16 01:28	10
Styrene	ND		10	7.3	ug/L			03/03/16 01:28	10
Tetrachloroethene	ND		10	3.6	ug/L			03/03/16 01:28	10
Toluene	ND		10	5.1	ug/L			03/03/16 01:28	10
trans-1,2-Dichloroethene	**22**		10	9.0	ug/L			03/03/16 01:28	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/03/16 01:28	10
Trichloroethene	**150**		10	4.6	ug/L			03/03/16 01:28	10
Vinyl chloride	ND		10	9.0	ug/L			03/03/16 01:28	10
Xylenes, Total	ND		20	6.6	ug/L			03/03/16 01:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*03/03/16 01:28*	*10*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 01:28*	*10*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*03/03/16 01:28*	*10*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*03/03/16 01:28*	*10*

Client Sample Results

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-95880-9

Date Collected: 03/01/16 00:00
Matrix: Water
Date Received: 03/02/16 10:30

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			03/03/16 01:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 01:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 01:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/03/16 01:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/03/16 01:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 01:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 01:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 01:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 01:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 01:55	1
Acetone	ND		10	3.0	ug/L			03/03/16 01:55	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 01:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 01:55	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 01:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 01:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 01:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 01:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 01:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 01:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 01:55	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 01:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 01:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/16 01:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 01:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 01:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 01:55	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 01:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 01:55	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 01:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 01:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 01:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 01:55	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/03/16 01:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/03/16 01:55*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 01:55*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/03/16 01:55*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/03/16 01:55*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-95880-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-95880-1	PMW-3P-030116	104	94	87	100
480-95880-2	PMW-3S-030116	102	93	88	101
480-95880-3	PMW-3D-030116	105	94	87	100
480-95880-4	OSMW-10P-030116	102	93	87	98
480-95880-5	OSMW-10S-030116	105	93	88	100
480-95880-6	OSMW-10D-030116	102	95	88	99
480-95880-7	OSMW-3S-030116	105	93	87	100
480-95880-8	OSMW-3D-030116	103	93	86	99
480-95880-9	Trip Blank	104	93	85	102
LCS 480-289295/5	Lab Control Sample	102	96	93	100
MB 480-289295/7	Method Blank	102	93	87	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 - Evendale, OH Site

TestAmerica Job ID: 480-95880-1

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

Lab Sample ID: MB 480-289295/7
Matrix: Water
Analysis Batch: 289295

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			03/02/16 21:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 21:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 21:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/02/16 21:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/02/16 21:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 21:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 21:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 21:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 21:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 21:07	1
Acetone	ND		10	3.0	ug/L			03/02/16 21:07	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 21:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 21:07	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 21:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 21:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 21:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 21:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 21:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 21:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 21:07	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 21:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 21:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/02/16 21:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 21:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 21:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 21:07	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 21:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 21:07	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 21:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 21:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 21:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/02/16 21:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/02/16 21:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 21:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/02/16 21:07*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/02/16 21:07*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 21:07*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/02/16 21:07*	*1*

Lab Sample ID: LCS 480-289295/5
Matrix: Water
Analysis Batch: 289295

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	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 126

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

Lab Sample ID: LCS 480-289295/5
Matrix: Water
Analysis Batch: 289295

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	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	58 - 121
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 127
1,2-Dichloropropane	25.0	24.4		ug/L		97	76 - 120
2-Hexanone	125	137		ug/L		110	65 - 127
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	132		ug/L		105	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	26.2		ug/L		105	52 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	25.0		ug/L		100	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	72 - 120
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Chloroethane	25.0	26.4		ug/L		106	69 - 136
Chloroform	25.0	26.2		ug/L		105	73 - 127
Chloromethane	25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		105	74 - 124
Ethylbenzene	25.0	24.9		ug/L		99	77 - 123
Methylene Chloride	25.0	24.3		ug/L		97	57 - 132
Styrene	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	72 - 123
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
Xylenes, Total	50.0	48.3		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-95880-1

GC/MS VOA

Analysis Batch: 289295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95880-1	PMW-3P-030116	Total/NA	Water	8260C	
480-95880-2	PMW-3S-030116	Total/NA	Water	8260C	
480-95880-3	PMW-3D-030116	Total/NA	Water	8260C	
480-95880-4	OSMW-10P-030116	Total/NA	Water	8260C	
480-95880-5	OSMW-10S-030116	Total/NA	Water	8260C	
480-95880-6	OSMW-10D-030116	Total/NA	Water	8260C	
480-95880-7	OSMW-3S-030116	Total/NA	Water	8260C	
480-95880-8	OSMW-3D-030116	Total/NA	Water	8260C	
480-95880-9	Trip Blank	Total/NA	Water	8260C	
LCS 480-289295/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289295/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: PMW-3P-030116 — Lab Sample ID: 480-95880-1

Date Collected: 03/01/16 13:56 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	289295	03/02/16 22:18	CDC	TAL BUF

Client Sample ID: PMW-3S-030116 — Lab Sample ID: 480-95880-2

Date Collected: 03/01/16 14:03 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/02/16 22:45	CDC	TAL BUF

Client Sample ID: PMW-3D-030116 — Lab Sample ID: 480-95880-3

Date Collected: 03/01/16 14:07 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/02/16 23:12	CDC	TAL BUF

Client Sample ID: OSMW-10P-030116 — Lab Sample ID: 480-95880-4

Date Collected: 03/01/16 14:32 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/02/16 23:40	CDC	TAL BUF

Client Sample ID: OSMW-10S-030116 — Lab Sample ID: 480-95880-5

Date Collected: 03/01/16 14:34 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/03/16 00:07	CDC	TAL BUF

Client Sample ID: OSMW-10D-030116 — Lab Sample ID: 480-95880-6

Date Collected: 03/01/16 14:38 — **Matrix: Water**
Date Received: 03/02/16 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/03/16 00:34	CDC	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-95880-1

Client Sample ID: OSMW-3S-030116 — Lab Sample ID: 480-95880-7

Date Collected: 03/01/16 15:05
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/03/16 01:01	CDC	TAL BUF

Client Sample ID: OSMW-3D-030116 — Lab Sample ID: 480-95880-8

Date Collected: 03/01/16 15:10
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	289295	03/03/16 01:28	CDC	TAL BUF

Client Sample ID: Trip Blank — Lab Sample ID: 480-95880-9

Date Collected: 03/01/16 00:00
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/03/16 01:55	CDC	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: 480-95880-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* 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: 480-95880-1

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: 480-95880-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95880-1	PMW-3P-030116	Water	03/01/16 13:56	03/02/16 10:30
480-95880-2	PMW-3S-030116	Water	03/01/16 14:03	03/02/16 10:30
480-95880-3	PMW-3D-030116	Water	03/01/16 14:07	03/02/16 10:30
480-95880-4	OSMW-10P-030116	Water	03/01/16 14:32	03/02/16 10:30
480-95880-5	OSMW-10S-030116	Water	03/01/16 14:34	03/02/16 10:30
480-95880-6	OSMW-10D-030116	Water	03/01/16 14:38	03/02/16 10:30
480-95880-7	OSMW-3S-030116	Water	03/01/16 15:05	03/02/16 10:30
480-95880-8	OSMW-3D-030116	Water	03/01/16 15:10	03/02/16 10:30
480-95880-9	Trip Blank	Water	03/01/16 00:00	03/02/16 10:30

Ref:
Dep:

Date: 01Mar16
Wgt: 20.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: STANDARD OVERNIGHT
TRCK: 7003 1338 0415

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

Client Information	Sampler: Tera Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-79683-19575.1
Client Contact: ~~Chase Forman~~ Rick Boone	Phone: 513-697-2020	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: standard			
City: Cincinnati	TAT Requested (days): 14 days			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11600088			
Email: chase.forman@obg.com	WO #: 62574 100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
M - Hexane
L - EDA
Z - other (specify)
Other:

480-95880 Chain of Custody

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 - TCL list OLM04.2	Total Number of contai	Special Instructions/Note:
			Preservation Code:				A		
PMW-3P-030116	3/1/16	1356	G	Water			X	3	
PMW-3S-030116		1403		Water			X	3	
PMW-3D-030116		1407		Water			X	3	
~~OSMW~~ (TD) OSMW-10P-030116		1432		Water			X	3	
OSMW-10S-030116		1434		Water			X	3	
OSMW-10D-030116		1438		Water			X	3	
OSMW-3S-030116		1505		Water			X	3	
OSMW-3D-030116		1510		Water			X	3	
TRIP BLANK		—	—	Water			X	2	QC Sample
				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. Requested

Empty Kit Relinquished by: —	Date: —	Time: —	Method of Shipment: —		
Relinquished by: Tera Dalton	Date/Time: 3/1/16 1545	Company	Received by: [signature]	Date/Time: 3/1/16 1545	Company TestAmerica
Relinquished by: [signature]	Date/Time: 3/1/16 15:50	Company TestAmerica	Received by: FedEx 7003 1338 0415	Date/Time: 3/1/16 15:50	Company
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3/2/16 1030	Company

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 3.0

Chain of Custody Record

Buffalo

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: 3-1-16	Chain of Custody Number: 291926
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 Scheve	
Project Name and Location (State): GE IRM (Ohio)	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1131127			

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	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		VOCs (8260B)
EW-7S 030116	3-1-16	10:47		X							3				X
EW-8D 030116		10:45		X							3				X
EW-3D 030116		10:20		X							9				X
EW-4D 030116		9:55		X							3				X
EW-5P 030116		9:52		X							3				X
EW-2P 030116		9:37		X							3				X
ADP-100 030116		9:35		X							3				X

Cincinnati

210501

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	3-1-16	11:49	1. Received By: [signature]	3/1/16	11:49
2. Relinquished By: [signature]	3/1/16	12:00	2. Received By: [signature]	3/2/16	1030
3. Relinquished By			3. Received By		

Comments: Please Trip Blank w/ COC # 291925

3.0 °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: 480-95880-1

Login Number: 95880
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: 480-95880-2
Client Project/Site: GE - Evendale, OH Site

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:
3/9/2016 2:29:49 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 - Evendale, OH Site

TestAmerica Job ID: 480-95880-2

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.
F2	MS/MSD RPD exceeds control 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)

Case Narrative

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

TestAmerica Job ID: 480-95880-2

Job ID: 480-95880-2

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95880-2

Receipt
The samples were received on 3/2/2016 10:30 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 following samples was diluted to bring the concentration of target analytes within the calibration range: EW-3D 030116 (480-95880-12), EW-3D 030116 (480-95880-12[MS]), EW-3D 030116 (480-95880-12[MSD]), EW-4P 030116 (480-95880-13), EW-5P 030116 (480-95880-14), EW-2P 030116 (480-95880-15) and ADP-100 030116 (480-95880-16). 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: EW-7S 030116 (480-95880-10). 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: 480-95880-2

Client Sample ID: EW-7S 030116 — Lab Sample ID: 480-95880-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.3		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	0.49	J	1.0	0.29	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	250		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride - DL	360		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: EW-8D 030116 — Lab Sample ID: 480-95880-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.1		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	4.7		1.0	0.81	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	2.0		1.0	0.90	ug/L	1		8260C	Total/NA
Vinyl chloride	6.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: EW-3D 030116 — Lab Sample ID: 480-95880-12

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
trans-1,2-Dichloroethene	27		4.0	3.6	ug/L	4		8260C	Total/NA
Trichloroethene	200		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	4.2	F2	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-4P 030116 — Lab Sample ID: 480-95880-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	99		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	19		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	25		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	170		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	3.7	J	4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: EW-5P 030116 — Lab Sample ID: 480-95880-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	99		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	18		4.0	1.2	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	25		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 030116 — Lab Sample ID: 480-95880-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	99		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	8.5		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	17		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	1.9	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	200		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 - Evendale, OH Site

TestAmerica Job ID: 480-95880-2

Client Sample ID: ADP-100 030116 — Lab Sample ID: 480-95880-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	100		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	8.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	15		2.0	0.58	ug/L	2		8260C	Total/NA
Chloroform	1.9	J	2.0	0.68	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	13		2.0	1.6	ug/L	2		8260C	Total/NA
Tetrachloroethene	1.2	J	2.0	0.72	ug/L	2		8260C	Total/NA
Trichloroethene	190		2.0	0.92	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 - Evendale, OH Site

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-7S 030116

Lab Sample ID: 480-95880-10

Date Collected: 03/01/16 10:47
Matrix: Water
Date Received: 03/02/16 10:30

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			03/03/16 02:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 02:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 02:22	1
1,1-Dichloroethane	**1.3**		1.0	0.38	ug/L			03/03/16 02:22	1
1,1-Dichloroethene	**0.49**	**J**	1.0	0.29	ug/L			03/03/16 02:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 02:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 02:22	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 02:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/03/16 02:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 02:22	1
Acetone	ND		10	3.0	ug/L			03/03/16 02:22	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 02:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 02:22	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 02:22	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 02:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 02:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 02:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 02:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 02:22	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 02:22	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 02:22	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 02:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 02:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 02:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 02:22	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 02:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 02:22	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 02:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 02:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 02:22	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 02:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/03/16 02:22*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*03/03/16 02:22*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/03/16 02:22*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/03/16 02:22*	*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	**250**		10	8.1	ug/L			03/04/16 00:12	10
Vinyl chloride	**360**		10	9.0	ug/L			03/04/16 00:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/04/16 00:12*	*10*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/04/16 00:12*	*10*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/04/16 00:12*	*10*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/04/16 00:12*	*10*

Client Sample Results

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-8D 030116

Lab Sample ID: 480-95880-11

Date Collected: 03/01/16 10:45
Matrix: Water
Date Received: 03/02/16 10:30

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			03/04/16 00:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/04/16 00:40	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/04/16 00:40	1
1,1-Dichloroethane	**1.1**		1.0	0.38	ug/L			03/04/16 00:40	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/04/16 00:40	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/04/16 00:40	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/04/16 00:40	1
2-Hexanone	ND		5.0	1.2	ug/L			03/04/16 00:40	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/04/16 00:40	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/04/16 00:40	1
Acetone	ND		10	3.0	ug/L			03/04/16 00:40	1
Benzene	ND		1.0	0.41	ug/L			03/04/16 00:40	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/04/16 00:40	1
Bromoform	ND		1.0	0.26	ug/L			03/04/16 00:40	1
Bromomethane	ND		1.0	0.69	ug/L			03/04/16 00:40	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/04/16 00:40	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/04/16 00:40	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/04/16 00:40	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/04/16 00:40	1
Chloroethane	ND		1.0	0.32	ug/L			03/04/16 00:40	1
Chloroform	ND		1.0	0.34	ug/L			03/04/16 00:40	1
Chloromethane	ND		1.0	0.35	ug/L			03/04/16 00:40	1
cis-1,2-Dichloroethene	**4.7**		1.0	0.81	ug/L			03/04/16 00:40	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/04/16 00:40	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/04/16 00:40	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/04/16 00:40	1
Styrene	ND		1.0	0.73	ug/L			03/04/16 00:40	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/04/16 00:40	1
Toluene	ND		1.0	0.51	ug/L			03/04/16 00:40	1
trans-1,2-Dichloroethene	**2.0**		1.0	0.90	ug/L			03/04/16 00:40	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/04/16 00:40	1
Trichloroethene	ND		1.0	0.46	ug/L			03/04/16 00:40	1
Vinyl chloride	**6.8**		1.0	0.90	ug/L			03/04/16 00:40	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/04/16 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/04/16 00:40*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/04/16 00:40*	*1*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*03/04/16 00:40*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/04/16 00:40*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-3D 030116

Date Collected: 03/01/16 10:20
Date Received: 03/02/16 10:30

Lab Sample ID: 480-95880-12

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			03/03/16 03:16	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/03/16 03:16	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/03/16 03:16	4
1,1-Dichloroethane	ND		4.0	1.5	ug/L			03/03/16 03:16	4
1,1-Dichloroethene	ND		4.0	1.2	ug/L			03/03/16 03:16	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/03/16 03:16	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/03/16 03:16	4
2-Hexanone	ND		20	5.0	ug/L			03/03/16 03:16	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/03/16 03:16	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/03/16 03:16	4
Acetone	ND		40	12	ug/L			03/03/16 03:16	4
Benzene	ND		4.0	1.6	ug/L			03/03/16 03:16	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/03/16 03:16	4
Bromoform	ND		4.0	1.0	ug/L			03/03/16 03:16	4
Bromomethane	ND	F2	4.0	2.8	ug/L			03/03/16 03:16	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/03/16 03:16	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/03/16 03:16	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/03/16 03:16	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/03/16 03:16	4
Chloroethane	ND	F2	4.0	1.3	ug/L			03/03/16 03:16	4
Chloroform	ND		4.0	1.4	ug/L			03/03/16 03:16	4
Chloromethane	ND	F2	4.0	1.4	ug/L			03/03/16 03:16	4
cis-1,2-Dichloroethene	**140**		4.0	3.2	ug/L			03/03/16 03:16	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/03/16 03:16	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/03/16 03:16	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/03/16 03:16	4
Styrene	ND		4.0	2.9	ug/L			03/03/16 03:16	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/03/16 03:16	4
Toluene	ND		4.0	2.0	ug/L			03/03/16 03:16	4
trans-1,2-Dichloroethene	**27**		4.0	3.6	ug/L			03/03/16 03:16	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/03/16 03:16	4
Trichloroethene	**200**		4.0	1.8	ug/L			03/03/16 03:16	4
Vinyl chloride	**4.2**	**F2**	4.0	3.6	ug/L			03/03/16 03:16	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/03/16 03:16	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*03/03/16 03:16*	*4*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 03:16*	*4*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*03/03/16 03:16*	*4*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/03/16 03:16*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-4P 030116

Lab Sample ID: 480-95880-13

Date Collected: 03/01/16 09:55
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**99**		4.0	3.3	ug/L			03/03/16 03:43	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/03/16 03:43	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/03/16 03:43	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			03/03/16 03:43	4
1,1-Dichloroethene	**19**		4.0	1.2	ug/L			03/03/16 03:43	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/03/16 03:43	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/03/16 03:43	4
2-Hexanone	ND		20	5.0	ug/L			03/03/16 03:43	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/03/16 03:43	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/03/16 03:43	4
Acetone	ND		40	12	ug/L			03/03/16 03:43	4
Benzene	ND		4.0	1.6	ug/L			03/03/16 03:43	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/03/16 03:43	4
Bromoform	ND		4.0	1.0	ug/L			03/03/16 03:43	4
Bromomethane	ND		4.0	2.8	ug/L			03/03/16 03:43	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/03/16 03:43	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/03/16 03:43	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/03/16 03:43	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/03/16 03:43	4
Chloroethane	ND		4.0	1.3	ug/L			03/03/16 03:43	4
Chloroform	ND		4.0	1.4	ug/L			03/03/16 03:43	4
Chloromethane	ND		4.0	1.4	ug/L			03/03/16 03:43	4
cis-1,2-Dichloroethene	**25**		4.0	3.2	ug/L			03/03/16 03:43	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/03/16 03:43	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/03/16 03:43	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/03/16 03:43	4
Styrene	ND		4.0	2.9	ug/L			03/03/16 03:43	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/03/16 03:43	4
Toluene	ND		4.0	2.0	ug/L			03/03/16 03:43	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/03/16 03:43	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/03/16 03:43	4
Trichloroethene	**170**		4.0	1.8	ug/L			03/03/16 03:43	4
Vinyl chloride	**3.7**	**J**	4.0	3.6	ug/L			03/03/16 03:43	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/03/16 03:43	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/03/16 03:43*	*4*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 03:43*	*4*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*03/03/16 03:43*	*4*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/03/16 03:43*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-5P 030116

Lab Sample ID: 480-95880-14

Date Collected: 03/01/16 09:52
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**99**		4.0	3.3	ug/L			03/03/16 04:10	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/03/16 04:10	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/03/16 04:10	4
1,1-Dichloroethane	**22**		4.0	1.5	ug/L			03/03/16 04:10	4
1,1-Dichloroethene	**18**		4.0	1.2	ug/L			03/03/16 04:10	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/03/16 04:10	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/03/16 04:10	4
2-Hexanone	ND		20	5.0	ug/L			03/03/16 04:10	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/03/16 04:10	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/03/16 04:10	4
Acetone	ND		40	12	ug/L			03/03/16 04:10	4
Benzene	ND		4.0	1.6	ug/L			03/03/16 04:10	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/03/16 04:10	4
Bromoform	ND		4.0	1.0	ug/L			03/03/16 04:10	4
Bromomethane	ND		4.0	2.8	ug/L			03/03/16 04:10	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/03/16 04:10	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/03/16 04:10	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/03/16 04:10	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/03/16 04:10	4
Chloroethane	ND		4.0	1.3	ug/L			03/03/16 04:10	4
Chloroform	ND		4.0	1.4	ug/L			03/03/16 04:10	4
Chloromethane	ND		4.0	1.4	ug/L			03/03/16 04:10	4
cis-1,2-Dichloroethene	**25**		4.0	3.2	ug/L			03/03/16 04:10	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/03/16 04:10	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/03/16 04:10	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/03/16 04:10	4
Styrene	ND		4.0	2.9	ug/L			03/03/16 04:10	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/03/16 04:10	4
Toluene	ND		4.0	2.0	ug/L			03/03/16 04:10	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/03/16 04:10	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/03/16 04:10	4
Trichloroethene	**170**		4.0	1.8	ug/L			03/03/16 04:10	4
Vinyl chloride	ND		4.0	3.6	ug/L			03/03/16 04:10	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/03/16 04:10	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*		*03/03/16 04:10*	*4*
Toluene-d8 (Surr)	*92*		*71 - 126*		*03/03/16 04:10*	*4*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*03/03/16 04:10*	*4*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*03/03/16 04:10*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-2P 030116

Lab Sample ID: 480-95880-15

Date Collected: 03/01/16 09:37
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**99**		5.0	4.1	ug/L			03/03/16 04:37	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/03/16 04:37	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/03/16 04:37	5
1,1-Dichloroethane	**8.5**		5.0	1.9	ug/L			03/03/16 04:37	5
1,1-Dichloroethene	**17**		5.0	1.5	ug/L			03/03/16 04:37	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/03/16 04:37	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/03/16 04:37	5
2-Hexanone	ND		25	6.2	ug/L			03/03/16 04:37	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/03/16 04:37	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/03/16 04:37	5
Acetone	ND		50	15	ug/L			03/03/16 04:37	5
Benzene	ND		5.0	2.1	ug/L			03/03/16 04:37	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/03/16 04:37	5
Bromoform	ND		5.0	1.3	ug/L			03/03/16 04:37	5
Bromomethane	ND		5.0	3.5	ug/L			03/03/16 04:37	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/03/16 04:37	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/03/16 04:37	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/03/16 04:37	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/03/16 04:37	5
Chloroethane	ND		5.0	1.6	ug/L			03/03/16 04:37	5
Chloroform	**1.9**	**J**	5.0	1.7	ug/L			03/03/16 04:37	5
Chloromethane	ND		5.0	1.8	ug/L			03/03/16 04:37	5
cis-1,2-Dichloroethene	**13**		5.0	4.1	ug/L			03/03/16 04:37	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/03/16 04:37	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/03/16 04:37	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/03/16 04:37	5
Styrene	ND		5.0	3.7	ug/L			03/03/16 04:37	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/03/16 04:37	5
Toluene	ND		5.0	2.6	ug/L			03/03/16 04:37	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/03/16 04:37	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/03/16 04:37	5
Trichloroethene	**200**		5.0	2.3	ug/L			03/03/16 04:37	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/03/16 04:37	5
Xylenes, Total	ND		10	3.3	ug/L			03/03/16 04:37	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*03/03/16 04:37*	*5*
Toluene-d8 (Surr)	*92*		*71 - 126*		*03/03/16 04:37*	*5*
4-Bromofluorobenzene (Surr)	*84*		*73 - 120*		*03/03/16 04:37*	*5*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/03/16 04:37*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: ADP-100 030116

Lab Sample ID: 480-95880-16

Date Collected: 03/01/16 09:35
Matrix: Water
Date Received: 03/02/16 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**100**		2.0	1.6	ug/L			03/03/16 05:05	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/03/16 05:05	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/03/16 05:05	2
1,1-Dichloroethane	**8.4**		2.0	0.76	ug/L			03/03/16 05:05	2
1,1-Dichloroethene	**15**		2.0	0.58	ug/L			03/03/16 05:05	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/03/16 05:05	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/03/16 05:05	2
2-Hexanone	ND		10	2.5	ug/L			03/03/16 05:05	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/03/16 05:05	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/03/16 05:05	2
Acetone	ND		20	6.0	ug/L			03/03/16 05:05	2
Benzene	ND		2.0	0.82	ug/L			03/03/16 05:05	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/03/16 05:05	2
Bromoform	ND		2.0	0.52	ug/L			03/03/16 05:05	2
Bromomethane	ND		2.0	1.4	ug/L			03/03/16 05:05	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/03/16 05:05	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/03/16 05:05	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/03/16 05:05	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/03/16 05:05	2
Chloroethane	ND		2.0	0.64	ug/L			03/03/16 05:05	2
Chloroform	**1.9**	**J**	2.0	0.68	ug/L			03/03/16 05:05	2
Chloromethane	ND		2.0	0.70	ug/L			03/03/16 05:05	2
cis-1,2-Dichloroethene	**13**		2.0	1.6	ug/L			03/03/16 05:05	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/03/16 05:05	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/03/16 05:05	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/03/16 05:05	2
Styrene	ND		2.0	1.5	ug/L			03/03/16 05:05	2
Tetrachloroethene	**1.2**	**J**	2.0	0.72	ug/L			03/03/16 05:05	2
Toluene	ND		2.0	1.0	ug/L			03/03/16 05:05	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/03/16 05:05	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/03/16 05:05	2
Trichloroethene	**190**		2.0	0.92	ug/L			03/03/16 05:05	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/03/16 05:05	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/03/16 05:05	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/03/16 05:05*	*2*
Toluene-d8 (Surr)	*92*		*71 - 126*		*03/03/16 05:05*	*2*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/03/16 05:05*	*2*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/03/16 05:05*	*2*

Surrogate Summary

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

TestAmerica Job ID: 480-95880-2

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	(66-137)	(71-126)	(73-120)	(60-140)
480-95880-10	EW-7S 030116	105	92	87	102
480-95880-10 - DL	EW-7S 030116	104	94	87	101
480-95880-11	EW-8D 030116	104	93	86	101
480-95880-12	EW-3D 030116	106	93	84	103
480-95880-12 MS	EW-3D 030116	105	91	88	101
480-95880-12 MSD	EW-3D 030116	102	94	91	99
480-95880-13	EW-4P 030116	104	93	83	100
480-95880-14	EW-5P 030116	104	92	83	99
480-95880-15	EW-2P 030116	103	92	84	102
480-95880-16	ADP-100 030116	105	92	85	101
LCS 480-289295/5	Lab Control Sample	102	96	93	100
LCS 480-289665/5	Lab Control Sample	101	94	93	100
MB 480-289295/7	Method Blank	102	93	87	98
MB 480-289665/7	Method Blank	101	93	88	98

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 480-289295/7
Matrix: Water
Analysis Batch: 289295

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			03/02/16 21:07	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/02/16 21:07	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/02/16 21:07	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/02/16 21:07	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/02/16 21:07	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/02/16 21:07	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/02/16 21:07	1
2-Hexanone	ND		5.0	1.2	ug/L			03/02/16 21:07	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/02/16 21:07	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/02/16 21:07	1
Acetone	ND		10	3.0	ug/L			03/02/16 21:07	1
Benzene	ND		1.0	0.41	ug/L			03/02/16 21:07	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/02/16 21:07	1
Bromoform	ND		1.0	0.26	ug/L			03/02/16 21:07	1
Bromomethane	ND		1.0	0.69	ug/L			03/02/16 21:07	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/02/16 21:07	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/02/16 21:07	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/02/16 21:07	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/02/16 21:07	1
Chloroethane	ND		1.0	0.32	ug/L			03/02/16 21:07	1
Chloroform	ND		1.0	0.34	ug/L			03/02/16 21:07	1
Chloromethane	ND		1.0	0.35	ug/L			03/02/16 21:07	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/02/16 21:07	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/02/16 21:07	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/02/16 21:07	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/02/16 21:07	1
Styrene	ND		1.0	0.73	ug/L			03/02/16 21:07	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/02/16 21:07	1
Toluene	ND		1.0	0.51	ug/L			03/02/16 21:07	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/02/16 21:07	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/02/16 21:07	1
Trichloroethene	ND		1.0	0.46	ug/L			03/02/16 21:07	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/02/16 21:07	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/02/16 21:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/02/16 21:07*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/02/16 21:07*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/02/16 21:07*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/02/16 21:07*	*1*

Lab Sample ID: LCS 480-289295/5
Matrix: Water
Analysis Batch: 289295

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	29.0		ug/L		116	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.0		ug/L		100	70 - 126

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

Lab Sample ID: LCS 480-289295/5
Matrix: Water
Analysis Batch: 289295

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	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	24.7		ug/L		99	58 - 121
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 127
1,2-Dichloropropane	25.0	24.4		ug/L		97	76 - 120
2-Hexanone	125	137		ug/L		110	65 - 127
2-Butanone (MEK)	125	130		ug/L		104	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	132		ug/L		105	56 - 142
Benzene	25.0	24.7		ug/L		99	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	26.2		ug/L		105	52 - 132
Bromomethane	25.0	26.1		ug/L		105	55 - 144
Carbon disulfide	25.0	25.0		ug/L		100	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.2		ug/L		97	72 - 120
Dibromochloromethane	25.0	26.8		ug/L		107	75 - 125
Chloroethane	25.0	26.4		ug/L		106	69 - 136
Chloroform	25.0	26.2		ug/L		105	73 - 127
Chloromethane	25.0	28.2		ug/L		113	68 - 124
cis-1,2-Dichloroethene	25.0	24.5		ug/L		98	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		105	74 - 124
Ethylbenzene	25.0	24.9		ug/L		99	77 - 123
Methylene Chloride	25.0	24.3		ug/L		97	57 - 132
Styrene	25.0	25.0		ug/L		100	70 - 130
Tetrachloroethene	25.0	24.2		ug/L		97	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	25.0	26.8		ug/L		107	72 - 123
Trichloroethene	25.0	25.4		ug/L		102	74 - 123
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
Xylenes, Total	50.0	48.3		ug/L		97	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: 480-95880-12 MS
Matrix: Water
Analysis Batch: 289295

Client Sample ID: EW-3D 030116
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	111		ug/L		111	73 - 126
1,1,2,2-Tetrachloroethane	ND		100	99.8		ug/L		100	70 - 126
1,1,2-Trichloroethane	ND		100	94.7		ug/L		95	76 - 122
1,1-Dichloroethane	ND		100	92.8		ug/L		93	71 - 129

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

Lab Sample ID: 480-95880-12 MS
Matrix: Water
Analysis Batch: 289295

Client Sample ID: EW-3D 030116
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	92.9		ug/L		93	58 - 121
1,2-Dichloroethane	ND		100	104		ug/L		104	75 - 127
1,2-Dichloropropane	ND		100	90.3		ug/L		90	76 - 120
2-Hexanone	ND		500	495		ug/L		99	65 - 127
2-Butanone (MEK)	ND		500	451		ug/L		90	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		500	493		ug/L		99	71 - 125
Acetone	ND		500	404		ug/L		81	56 - 142
Benzene	ND		100	93.3		ug/L		93	71 - 124
Bromodichloromethane	ND		100	104		ug/L		104	80 - 122
Bromoform	ND		100	87.3		ug/L		87	52 - 132
Bromomethane	ND	F2	100	85.3		ug/L		85	55 - 144
Carbon disulfide	ND		100	91.9		ug/L		92	59 - 134
Carbon tetrachloride	ND		100	106		ug/L		106	72 - 134
Chlorobenzene	ND		100	87.7		ug/L		88	72 - 120
Dibromochloromethane	ND		100	94.2		ug/L		94	75 - 125
Chloroethane	ND	F2	100	85.8		ug/L		86	69 - 136
Chloroform	ND		100	101		ug/L		101	73 - 127
Chloromethane	ND	F2	100	84.9		ug/L		85	68 - 124
cis-1,2-Dichloroethene	140		100	230		ug/L		86	74 - 124
cis-1,3-Dichloropropene	ND		100	92.6		ug/L		93	74 - 124
Ethylbenzene	ND		100	90.7		ug/L		91	77 - 123
Methylene Chloride	ND		100	91.3		ug/L		91	57 - 132
Styrene	ND		100	91.0		ug/L		91	70 - 130
Tetrachloroethene	ND		100	85.0		ug/L		85	74 - 122
Toluene	ND		100	87.1		ug/L		87	80 - 122
trans-1,2-Dichloroethene	27		100	123		ug/L		97	73 - 127
trans-1,3-Dichloropropene	ND		100	94.5		ug/L		94	72 - 123
Trichloroethene	200		100	288		ug/L		85	74 - 123
Vinyl chloride	4.2	F2	100	82.8		ug/L		79	65 - 133
Xylenes, Total	ND		200	174		ug/L		87	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*
Toluene-d8 (Surr)	*91*		*71 - 126*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: 480-95880-12 MSD
Matrix: Water
Analysis Batch: 289295

Client Sample ID: EW-3D 030116
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	104		ug/L		104	73 - 126	6	15
1,1,2,2-Tetrachloroethane	ND		100	98.0		ug/L		98	70 - 126	2	15
1,1,2-Trichloroethane	ND		100	95.0		ug/L		95	76 - 122	0	15
1,1-Dichloroethane	ND		100	89.4		ug/L		89	71 - 129	4	20
1,1-Dichloroethene	ND		100	91.1		ug/L		91	58 - 121	2	16
1,2-Dichloroethane	ND		100	98.8		ug/L		99	75 - 127	5	20

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

Lab Sample ID: 480-95880-12 MSD
Matrix: Water
Analysis Batch: 289295

Client Sample ID: EW-3D 030116
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	86.9		ug/L		87	76 - 120	4	20
2-Hexanone	ND		500	513		ug/L		103	65 - 127	4	15
2-Butanone (MEK)	ND		500	464		ug/L		93	57 - 140	3	20
4-Methyl-2-pentanone (MIBK)	ND		500	516		ug/L		103	71 - 125	5	35
Acetone	ND		500	403		ug/L		81	56 - 142	0	15
Benzene	ND		100	88.3		ug/L		88	71 - 124	5	13
Bromodichloromethane	ND		100	98.6		ug/L		99	80 - 122	6	15
Bromoform	ND		100	88.2		ug/L		88	52 - 132	1	15
Bromomethane	ND	F2	100	106	F2	ug/L		106	55 - 144	21	15
Carbon disulfide	ND		100	88.0		ug/L		88	59 - 134	4	15
Carbon tetrachloride	ND		100	100		ug/L		100	72 - 134	6	15
Chlorobenzene	ND		100	86.9		ug/L		87	72 - 120	1	25
Dibromochloromethane	ND		100	94.5		ug/L		94	75 - 125	0	15
Chloroethane	ND	F2	100	104	F2	ug/L		104	69 - 136	19	15
Chloroform	ND		100	94.3		ug/L		94	73 - 127	7	20
Chloromethane	ND	F2	100	111	F2	ug/L		111	68 - 124	27	15
cis-1,2-Dichloroethene	140		100	225		ug/L		81	74 - 124	2	15
cis-1,3-Dichloropropene	ND		100	90.2		ug/L		90	74 - 124	3	15
Ethylbenzene	ND		100	88.2		ug/L		88	77 - 123	3	15
Methylene Chloride	ND		100	87.4		ug/L		87	57 - 132	4	15
Styrene	ND		100	90.1		ug/L		90	70 - 130	1	20
Tetrachloroethene	ND		100	82.9		ug/L		83	74 - 122	2	20
Toluene	ND		100	85.6		ug/L		86	80 - 122	2	15
trans-1,2-Dichloroethene	27		100	119		ug/L		92	73 - 127	4	20
trans-1,3-Dichloropropene	ND		100	93.9		ug/L		94	72 - 123	1	15
Trichloroethene	200		100	278		ug/L		75	74 - 123	4	16
Vinyl chloride	4.2	F2	100	111	F2	ug/L		107	65 - 133	29	15
Xylenes, Total	ND		200	170		ug/L		85	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*
Dibromofluoromethane (Surr)	*99*		*60 - 140*

Lab Sample ID: MB 480-289665/7
Matrix: Water
Analysis Batch: 289665

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			03/03/16 21:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/03/16 21:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/03/16 21:51	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/03/16 21:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/03/16 21:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/03/16 21:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/03/16 21:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/03/16 21:51	1

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

Lab Sample ID: MB 480-289665/7
Matrix: Water
Analysis Batch: 289665

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			03/03/16 21:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/03/16 21:51	1
Acetone	ND		10	3.0	ug/L			03/03/16 21:51	1
Benzene	ND		1.0	0.41	ug/L			03/03/16 21:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/03/16 21:51	1
Bromoform	ND		1.0	0.26	ug/L			03/03/16 21:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/03/16 21:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/03/16 21:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/03/16 21:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/03/16 21:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/03/16 21:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/03/16 21:51	1
Chloroform	ND		1.0	0.34	ug/L			03/03/16 21:51	1
Chloromethane	ND		1.0	0.35	ug/L			03/03/16 21:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/03/16 21:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/03/16 21:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/03/16 21:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/03/16 21:51	1
Styrene	ND		1.0	0.73	ug/L			03/03/16 21:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/03/16 21:51	1
Toluene	ND		1.0	0.51	ug/L			03/03/16 21:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/03/16 21:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/03/16 21:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/03/16 21:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/03/16 21:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/03/16 21:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/03/16 21:51*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/03/16 21:51*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/03/16 21:51*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/03/16 21:51*	*1*

Lab Sample ID: LCS 480-289665/5
Matrix: Water
Analysis Batch: 289665

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	28.2		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.8		ug/L		99	70 - 126
1,1,2-Trichloroethane	25.0	24.8		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	25.1		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	25.4		ug/L		102	58 - 121
1,2-Dichloroethane	25.0	26.6		ug/L		106	75 - 127
1,2-Dichloropropane	25.0	24.3		ug/L		97	76 - 120
2-Hexanone	125	139		ug/L		111	65 - 127
2-Butanone (MEK)	125	132		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		108	71 - 125

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

Lab Sample ID: LCS 480-289665/5
Matrix: Water
Analysis Batch: 289665

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	139		ug/L		111	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	27.3		ug/L		109	80 - 122
Bromoform	25.0	25.8		ug/L		103	52 - 132
Bromomethane	25.0	24.0		ug/L		96	55 - 144
Carbon disulfide	25.0	25.2		ug/L		101	59 - 134
Carbon tetrachloride	25.0	27.7		ug/L		111	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	72 - 120
Dibromochloromethane	25.0	26.4		ug/L		106	75 - 125
Chloroethane	25.0	24.9		ug/L		99	69 - 136
Chloroform	25.0	26.1		ug/L		105	73 - 127
Chloromethane	25.0	27.2		ug/L		109	68 - 124
cis-1,2-Dichloroethene	25.0	24.9		ug/L		99	74 - 124
cis-1,3-Dichloropropene	25.0	26.1		ug/L		105	74 - 124
Ethylbenzene	25.0	24.8		ug/L		99	77 - 123
Methylene Chloride	25.0	24.0		ug/L		96	57 - 132
Styrene	25.0	25.2		ug/L		101	70 - 130
Tetrachloroethene	25.0	23.9		ug/L		96	74 - 122
Toluene	25.0	24.0		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	25.8		ug/L		103	73 - 127
trans-1,3-Dichloropropene	25.0	26.7		ug/L		107	72 - 123
Trichloroethene	25.0	25.3		ug/L		101	74 - 123
Vinyl chloride	25.0	26.3		ug/L		105	65 - 133
Xylenes, Total	50.0	48.2		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-95880-2

GC/MS VOA

Analysis Batch: 289295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95880-10	EW-7S 030116	Total/NA	Water	8260C	
480-95880-12	EW-3D 030116	Total/NA	Water	8260C	
480-95880-12 MS	EW-3D 030116	Total/NA	Water	8260C	
480-95880-12 MSD	EW-3D 030116	Total/NA	Water	8260C	
480-95880-13	EW-4P 030116	Total/NA	Water	8260C	
480-95880-14	EW-5P 030116	Total/NA	Water	8260C	
480-95880-15	EW-2P 030116	Total/NA	Water	8260C	
480-95880-16	ADP-100 030116	Total/NA	Water	8260C	
LCS 480-289295/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289295/7	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 289665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95880-10 - DL	EW-7S 030116	Total/NA	Water	8260C	
480-95880-11	EW-8D 030116	Total/NA	Water	8260C	
LCS 480-289665/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289665/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: EW-7S 030116 — Lab Sample ID: 480-95880-10

Date Collected: 03/01/16 10:47
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289295	03/03/16 02:22	CDC	TAL BUF
Total/NA	Analysis	8260C	DL	10	289665	03/04/16 00:12	CDC	TAL BUF

Client Sample ID: EW-8D 030116 — Lab Sample ID: 480-95880-11

Date Collected: 03/01/16 10:45
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289665	03/04/16 00:40	CDC	TAL BUF

Client Sample ID: EW-3D 030116 — Lab Sample ID: 480-95880-12

Date Collected: 03/01/16 10:20
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	289295	03/03/16 03:16	CDC	TAL BUF

Client Sample ID: EW-4P 030116 — Lab Sample ID: 480-95880-13

Date Collected: 03/01/16 09:55
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	289295	03/03/16 03:43	CDC	TAL BUF

Client Sample ID: EW-5P 030116 — Lab Sample ID: 480-95880-14

Date Collected: 03/01/16 09:52
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	289295	03/03/16 04:10	CDC	TAL BUF

Client Sample ID: EW-2P 030116 — Lab Sample ID: 480-95880-15

Date Collected: 03/01/16 09:37
Date Received: 03/02/16 10:30
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	289295	03/03/16 04:37	CDC	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-95880-2

Client Sample ID: ADP-100 030116

Date Collected: 03/01/16 09:35
Date Received: 03/02/16 10:30

Lab Sample ID: 480-95880-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	289295	03/03/16 05:05	CDC	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: 480-95880-2

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* 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: 480-95880-2

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: 480-95880-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95880-10	EW-7S 030116	Water	03/01/16 10:47	03/02/16 10:30
480-95880-11	EW-8D 030116	Water	03/01/16 10:45	03/02/16 10:30
480-95880-12	EW-3D 030116	Water	03/01/16 10:20	03/02/16 10:30
480-95880-13	EW-4P 030116	Water	03/01/16 09:55	03/02/16 10:30
480-95880-14	EW-5P 030116	Water	03/01/16 09:52	03/02/16 10:30
480-95880-15	EW-2P 030116	Water	03/01/16 09:37	03/02/16 10:30
480-95880-16	ADP-100 030116	Water	03/01/16 09:35	03/02/16 10:30

Ref:
Dep:

Date: 01Mar16
Wgt: 20.00 LBS
DV: 0.00

SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00

Svcs: STANDARD OVERNIGHT
TRCK: 7003 1338 0415

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

Client Information	Sampler: Tera Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-79683-19575.1
Client Contact: ~~Chase Forman~~ Rick Boone	Phone: 513-697-2020	E-Mail: orlette.johnson@testamericainc.com		Page: Page 1 of 1
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: standard			
City: Cincinnati	TAT Requested (days): 14 days			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11600088			
Email: chase.forman@obg.com	WO #: 62574 100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL M - Hexane
L - EDA Z - other (specify)
Other:

480-95880 Chain of Custody

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 - TCL list OLM04.2	Total Number of contai	Special Instructions/Note:
			Preservation Code:				A		
PMW-3P-030116	3/1/16	1356	G	Water			X	3	
PMW-3S-030116		1403		Water			X	3	
PMW-3D-030116		1407		Water			X	3	
~~OSMW~~ (TD) OSMW-10P-030116		1432		Water			X	3	
OSMW-10S-030116		1434		Water			X	3	
OSMW-10D-030116		1438		Water			X	3	
OSMW-3S-030116		1505		Water			X	3	
OSMW-3D-030116		1510		Water			X	3	
TRIP BLANK		—	—	Water			X	2	QC Sample
				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. Requested

Empty Kit Relinquished by: —	Date: —	Time: —	Method of Shipment: —			
Relinquished by: Tera Dalton	Date/Time: 3/1/16 1545	Company	Received by: [signature]	Date/Time: 3/1/16 1545	Company TestAmerica	
Relinquished by: [signature]	Date/Time: 3/1/16 1550	Company TestAmerica	Received by: FedEx 7003 1338 0415	Date/Time: 3/1/16 1550	Company	
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3/2/16 1030	Company	
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks: 3.0			

Chain of Custody Record

Buffalo

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: 3-1-16	Chain of Custody Number: 291926
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 Scheve	
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
EW-7S 030116	3-1-16	10:47		X							3				X	
EW-8D 030116		10:45		X							3				X	
EW-3D 030116		10:20		X							9				X	
EW-4D 030116		9:55		X							3				X	
EW-5P 030116		9:52		X							3				X	
EW-2P 030116		9:37		X							3				X	
ADP-100 030116		9:35		X							3				X	

Cincinnati

210501

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)

1. Relinquished By: Mike McLaughlin	Date: 3-1-16	Time: 11:49	1. Received By: [signature]	Date: 3/1/16	Time: 11:49
2. Relinquished By: [signature]	Date: 3/1/16	Time: 12:00	2. Received By: [signature]	Date: 3/2/16	Time: 1030
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments: Please Trip Blank w/ COC # 291925

3.0 °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: 480-95880-2

Login Number: 95880
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: 480-95954-1
TestAmerica Sample Delivery Group: 95954-1
Client Project/Site: GE - Evendale, OH Site

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:
3/16/2016 1:44:14 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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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: 480-95954-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-95954-1

Receipt
The samples were received on 3/3/2016 7:40 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.4º C.

GC/MS VOA
Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: TMW-1P-030216 (480-95954-2) and AF-25P-030216 (480-95954-6). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following samples were diluted to bring the concentration of target analytes within the calibration range: TMW-1S-030216 (480-95954-3), TMW-2D-030216 (480-95954-11) and AF-5P-030216 (480-95954-12). 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: OSMW-6D-030216 (480-95954-22). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-290994 recovered above the upper control limit for 1,1,1-Trichloroethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: DUP-01-030216 (480-95954-23).

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: 480-95954-1
SDG: 95954-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-95954-1

No Detections.

Client Sample ID: TMW-1P-030216 — Lab Sample ID: 480-95954-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	160		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	37		4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	37		4.0	1.2	ug/L	4		8260C	Total/NA
Chloroform	1.8	J	4.0	1.4	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	46		4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	190		4.0	1.8	ug/L	4		8260C	Total/NA
Vinyl chloride	14		4.0	3.6	ug/L	4		8260C	Total/NA

Client Sample ID: TMW-1S-030216 — Lab Sample ID: 480-95954-3

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
Acetone	22		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	29		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride - DL	100		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: TMW-1D-030216 — Lab Sample ID: 480-95954-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	24		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: AF-6S-030216 — Lab Sample ID: 480-95954-5

No Detections.

Client Sample ID: AF-25P-030216 — Lab Sample ID: 480-95954-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	440		5.0	4.1	ug/L	5		8260C	Total/NA
1,1-Dichloroethane	55		5.0	1.9	ug/L	5		8260C	Total/NA
1,1-Dichloroethene	77		5.0	1.5	ug/L	5		8260C	Total/NA
Chloroform	3.2	J	5.0	1.7	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	30		5.0	4.1	ug/L	5		8260C	Total/NA
Tetrachloroethene	5.6		5.0	1.8	ug/L	5		8260C	Total/NA
Trichloroethene	410		5.0	2.3	ug/L	5		8260C	Total/NA

Client Sample ID: AF-19S-030216 — Lab Sample ID: 480-95954-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	9.8		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-19D-030216 — Lab Sample ID: 480-95954-8

No Detections.

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-9S-030216 — Lab Sample ID: 480-95954-9

No Detections.

Client Sample ID: TMW-2S-030216 — Lab Sample ID: 480-95954-10

No Detections.

Client Sample ID: TMW-2D-030216 — Lab Sample ID: 480-95954-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	4.2	J	10	4.1	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	650		10	8.1	ug/L	10		8260C	Total/NA
trans-1,2-Dichloroethene	170		10	9.0	ug/L	10		8260C	Total/NA
Vinyl chloride	34		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-5P-030216 — Lab Sample ID: 480-95954-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	35		4.0	3.3	ug/L	4		8260C	Total/NA
1,1-Dichloroethane	2.9	J	4.0	1.5	ug/L	4		8260C	Total/NA
1,1-Dichloroethene	7.8		4.0	1.2	ug/L	4		8260C	Total/NA
Acetone	24	J	40	12	ug/L	4		8260C	Total/NA
cis-1,2-Dichloroethene	3.8	J	4.0	3.2	ug/L	4		8260C	Total/NA
Trichloroethene	93		4.0	1.8	ug/L	4		8260C	Total/NA

Client Sample ID: AF-5S-030216 — Lab Sample ID: 480-95954-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.4		1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	2.6	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	23		10	3.0	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	5.1		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	36		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-2D-030216 — Lab Sample ID: 480-95954-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.41	J	1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: AF-4P-030216 — Lab Sample ID: 480-95954-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	41		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	6.5		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	7.3		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroform	0.61	J	1.0	0.34	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	3.6		1.0	0.81	ug/L	1		8260C	Total/NA
Tetrachloroethene	10		1.0	0.36	ug/L	1		8260C	Total/NA
Trichloroethene	91		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: AF-4S-030216 — Lab Sample ID: 480-95954-16

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-4S-030216 (Continued) — Lab Sample ID: 480-95954-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	2.5		1.0	0.82	ug/L	1		8260C	Total/NA
1,1-Dichloroethane	1.6		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
Benzene	0.53	J	1.0	0.41	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	17		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	4.7		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: PMW-4D-030216 — Lab Sample ID: 480-95954-17

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: AF-13P-030216 — Lab Sample ID: 480-95954-18

No Detections.

Client Sample ID: AF-13S-030216 — Lab Sample ID: 480-95954-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	12		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	0.97	J	1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11S-030216 — Lab Sample ID: 480-95954-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	3.0		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-11D-030216 — Lab Sample ID: 480-95954-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroethane	0.44	J	1.0	0.32	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-6D-030216 — Lab Sample ID: 480-95954-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	4.0	J	5.0	1.9	ug/L	5		8260C	Total/NA
cis-1,2-Dichloroethene	19		5.0	4.1	ug/L	5		8260C	Total/NA
Vinyl chloride	210		5.0	4.5	ug/L	5		8260C	Total/NA

Client Sample ID: DUP-01-030216 — Lab Sample ID: 480-95954-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	1.7		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	1.1		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 - Evendale, OH Site

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: Trip Blank

Date Collected: 03/02/16 00:00
Date Received: 03/03/16 07:40

Lab Sample ID: 480-95954-1

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			03/11/16 01:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 01:19	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 01:19	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 01:19	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 01:19	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 01:19	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 01:19	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 01:19	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 01:19	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 01:19	1
Acetone	ND		10	3.0	ug/L			03/11/16 01:19	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 01:19	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 01:19	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 01:19	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 01:19	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 01:19	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 01:19	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 01:19	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 01:19	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 01:19	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 01:19	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 01:19	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 01:19	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 01:19	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 01:19	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 01:19	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 01:19	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 01:19	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 01:19	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 01:19	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 01:19	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 01:19	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 01:19	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*03/11/16 01:19*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*03/11/16 01:19*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/11/16 01:19*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*		*03/11/16 01:19*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: TMW-1P-030216

Lab Sample ID: 480-95954-2

Date Collected: 03/02/16 09:24
Matrix: Water
Date Received: 03/03/16 07:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**160**		4.0	3.3	ug/L			03/11/16 01:46	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/11/16 01:46	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/11/16 01:46	4
1,1-Dichloroethane	**37**		4.0	1.5	ug/L			03/11/16 01:46	4
1,1-Dichloroethene	**37**		4.0	1.2	ug/L			03/11/16 01:46	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/11/16 01:46	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/11/16 01:46	4
2-Hexanone	ND		20	5.0	ug/L			03/11/16 01:46	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/11/16 01:46	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/11/16 01:46	4
Acetone	ND		40	12	ug/L			03/11/16 01:46	4
Benzene	ND		4.0	1.6	ug/L			03/11/16 01:46	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/11/16 01:46	4
Bromoform	ND		4.0	1.0	ug/L			03/11/16 01:46	4
Bromomethane	ND		4.0	2.8	ug/L			03/11/16 01:46	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/11/16 01:46	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/11/16 01:46	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/11/16 01:46	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/11/16 01:46	4
Chloroethane	ND		4.0	1.3	ug/L			03/11/16 01:46	4
Chloroform	**1.8**	**J**	4.0	1.4	ug/L			03/11/16 01:46	4
Chloromethane	ND		4.0	1.4	ug/L			03/11/16 01:46	4
cis-1,2-Dichloroethene	**46**		4.0	3.2	ug/L			03/11/16 01:46	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/11/16 01:46	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/11/16 01:46	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/11/16 01:46	4
Styrene	ND		4.0	2.9	ug/L			03/11/16 01:46	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/11/16 01:46	4
Toluene	ND		4.0	2.0	ug/L			03/11/16 01:46	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/11/16 01:46	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/11/16 01:46	4
Trichloroethene	**190**		4.0	1.8	ug/L			03/11/16 01:46	4
Vinyl chloride	**14**		4.0	3.6	ug/L			03/11/16 01:46	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/11/16 01:46	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/11/16 01:46*	*4*
Toluene-d8 (Surr)	*88*		*71 - 126*		*03/11/16 01:46*	*4*
4-Bromofluorobenzene (Surr)	*86*		*73 - 120*		*03/11/16 01:46*	*4*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/11/16 01:46*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: TMW-1S-030216

Date Collected: 03/02/16 09:27
Date Received: 03/03/16 07:40

Lab Sample ID: 480-95954-3

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		1.0	0.82	ug/L			03/11/16 02:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 02:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 02:14	1
1,1-Dichloroethane	**3.4**		1.0	0.38	ug/L			03/11/16 02:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 02:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 02:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 02:14	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 02:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 02:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 02:14	1
Acetone	**22**		10	3.0	ug/L			03/11/16 02:14	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 02:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 02:14	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 02:14	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 02:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 02:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 02:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 02:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 02:14	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 02:14	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 02:14	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 02:14	1
cis-1,2-Dichloroethene	**29**		1.0	0.81	ug/L			03/11/16 02:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 02:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 02:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 02:14	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 02:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 02:14	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 02:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 02:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 02:14	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 02:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*03/11/16 02:14*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*		*03/11/16 02:14*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/11/16 02:14*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*03/11/16 02:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	**100**		2.0	1.8	ug/L			03/11/16 13:55	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/11/16 13:55*	*2*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/11/16 13:55*	*2*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/11/16 13:55*	*2*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*03/11/16 13:55*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: TMW-1D-030216

Lab Sample ID: 480-95954-4

Date Collected: 03/02/16 09:30
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 02:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 02:41	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 02:41	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 02:41	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 02:41	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 02:41	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 02:41	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 02:41	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 02:41	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 02:41	1
Acetone	**24**		10	3.0	ug/L			03/11/16 02:41	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 02:41	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 02:41	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 02:41	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 02:41	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 02:41	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 02:41	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 02:41	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 02:41	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 02:41	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 02:41	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 02:41	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 02:41	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 02:41	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 02:41	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 02:41	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 02:41	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 02:41	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 02:41	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 02:41	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 02:41	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 02:41	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 02:41	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 02:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*03/11/16 02:41*	*1*
Toluene-d8 (Surr)	*87*		*71 - 126*		*03/11/16 02:41*	*1*
4-Bromofluorobenzene (Surr)	*85*		*73 - 120*		*03/11/16 02:41*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*03/11/16 02:41*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-6S-030216

Lab Sample ID: 480-95954-5

Date Collected: 03/02/16 09:55
Date Received: 03/03/16 07:40

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			03/11/16 03:08	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 03:08	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 03:08	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 03:08	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 03:08	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 03:08	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 03:08	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 03:08	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 03:08	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 03:08	1
Acetone	ND		10	3.0	ug/L			03/11/16 03:08	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 03:08	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 03:08	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 03:08	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 03:08	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 03:08	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 03:08	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 03:08	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 03:08	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 03:08	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 03:08	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 03:08	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 03:08	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 03:08	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 03:08	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 03:08	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 03:08	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 03:08	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 03:08	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 03:08	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 03:08	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 03:08	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 03:08	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*03/11/16 03:08*	*1*
Toluene-d8 (Surr)	*89*		*71 - 126*		*03/11/16 03:08*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/11/16 03:08*	*1*
Dibromofluoromethane (Surr)	*95*		*60 - 140*		*03/11/16 03:08*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-25P-030216

Lab Sample ID: 480-95954-6

Date Collected: 03/02/16 11:27
Matrix: Water
Date Received: 03/03/16 07:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**440**		5.0	4.1	ug/L			03/11/16 03:35	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/11/16 03:35	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/11/16 03:35	5
1,1-Dichloroethane	**55**		5.0	1.9	ug/L			03/11/16 03:35	5
1,1-Dichloroethene	**77**		5.0	1.5	ug/L			03/11/16 03:35	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/11/16 03:35	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/11/16 03:35	5
2-Hexanone	ND		25	6.2	ug/L			03/11/16 03:35	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/11/16 03:35	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/11/16 03:35	5
Acetone	ND		50	15	ug/L			03/11/16 03:35	5
Benzene	ND		5.0	2.1	ug/L			03/11/16 03:35	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/11/16 03:35	5
Bromoform	ND		5.0	1.3	ug/L			03/11/16 03:35	5
Bromomethane	ND		5.0	3.5	ug/L			03/11/16 03:35	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/11/16 03:35	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/11/16 03:35	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/11/16 03:35	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/11/16 03:35	5
Chloroethane	ND		5.0	1.6	ug/L			03/11/16 03:35	5
Chloroform	**3.2**	**J**	5.0	1.7	ug/L			03/11/16 03:35	5
Chloromethane	ND		5.0	1.8	ug/L			03/11/16 03:35	5
cis-1,2-Dichloroethene	**30**		5.0	4.1	ug/L			03/11/16 03:35	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/11/16 03:35	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/11/16 03:35	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/11/16 03:35	5
Styrene	ND		5.0	3.7	ug/L			03/11/16 03:35	5
Tetrachloroethene	**5.6**		5.0	1.8	ug/L			03/11/16 03:35	5
Toluene	ND		5.0	2.6	ug/L			03/11/16 03:35	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/11/16 03:35	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/11/16 03:35	5
Trichloroethene	**410**		5.0	2.3	ug/L			03/11/16 03:35	5
Vinyl chloride	ND		5.0	4.5	ug/L			03/11/16 03:35	5
Xylenes, Total	ND		10	3.3	ug/L			03/11/16 03:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*66 - 137*		*03/11/16 03:35*	*5*
Toluene-d8 (Surr)	*88*		*71 - 126*		*03/11/16 03:35*	*5*
4-Bromofluorobenzene (Surr)	*83*		*73 - 120*		*03/11/16 03:35*	*5*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*03/11/16 03:35*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-19S-030216

Lab Sample ID: 480-95954-7

Date Collected: 03/02/16 11:40
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 14:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 14:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 14:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 14:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 14:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 14:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 14:23	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 14:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 14:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 14:23	1
Acetone	ND		10	3.0	ug/L			03/11/16 14:23	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 14:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 14:23	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 14:23	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 14:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 14:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 14:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 14:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 14:23	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 14:23	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 14:23	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 14:23	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 14:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 14:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 14:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 14:23	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 14:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 14:23	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 14:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 14:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 14:23	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 14:23	1
Vinyl chloride	**9.8**		1.0	0.90	ug/L			03/11/16 14:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/11/16 14:23*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/11/16 14:23*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/11/16 14:23*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*03/11/16 14:23*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-19D-030216

Lab Sample ID: 480-95954-8

Date Collected: 03/02/16 11:45
Date Received: 03/03/16 07:40

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			03/11/16 14:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 14:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 14:50	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 14:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 14:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 14:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 14:50	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 14:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 14:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 14:50	1
Acetone	ND		10	3.0	ug/L			03/11/16 14:50	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 14:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 14:50	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 14:50	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 14:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 14:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 14:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 14:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 14:50	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 14:50	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 14:50	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 14:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 14:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 14:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 14:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 14:50	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 14:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 14:50	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 14:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 14:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 14:50	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 14:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 14:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*124*		*66 - 137*		*03/11/16 14:50*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/11/16 14:50*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*03/11/16 14:50*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/11/16 14:50*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-9S-030216

Date Collected: 03/02/16 12:07
Date Received: 03/03/16 07:40

Lab Sample ID: 480-95954-9

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	ND		1.0	0.82	ug/L			03/11/16 15:17	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 15:17	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 15:17	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 15:17	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 15:17	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 15:17	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 15:17	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 15:17	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 15:17	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 15:17	1
Acetone	ND		10	3.0	ug/L			03/11/16 15:17	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 15:17	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 15:17	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 15:17	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 15:17	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 15:17	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 15:17	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 15:17	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 15:17	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 15:17	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 15:17	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 15:17	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 15:17	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 15:17	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 15:17	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 15:17	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 15:17	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 15:17	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 15:17	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 15:17	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 15:17	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 15:17	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 15:17	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/11/16 15:17*	*1*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/11/16 15:17*	*1*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*03/11/16 15:17*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/11/16 15:17*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: TMW-2S-030216

Lab Sample ID: 480-95954-10

Date Collected: 03/02/16 12:25
Date Received: 03/03/16 07:40

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			03/11/16 15:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 15:45	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 15:45	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 15:45	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 15:45	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 15:45	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 15:45	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 15:45	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 15:45	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 15:45	1
Acetone	ND		10	3.0	ug/L			03/11/16 15:45	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 15:45	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 15:45	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 15:45	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 15:45	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 15:45	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 15:45	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 15:45	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 15:45	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 15:45	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 15:45	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 15:45	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 15:45	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 15:45	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 15:45	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 15:45	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 15:45	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 15:45	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 15:45	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 15:45	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 15:45	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 15:45	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 15:45	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/11/16 15:45*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*03/11/16 15:45*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*03/11/16 15:45*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/11/16 15:45*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: TMW-2D-030216

Lab Sample ID: 480-95954-11

Date Collected: 03/02/16 12:30
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 16:12	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/11/16 16:12	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/11/16 16:12	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/11/16 16:12	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/11/16 16:12	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/11/16 16:12	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/11/16 16:12	10
2-Hexanone	ND		50	12	ug/L			03/11/16 16:12	10
2-Butanone (MEK)	ND		100	13	ug/L			03/11/16 16:12	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/11/16 16:12	10
Acetone	ND		100	30	ug/L			03/11/16 16:12	10
Benzene	**4.2**	**J**	10	4.1	ug/L			03/11/16 16:12	10
Bromodichloromethane	ND		10	3.9	ug/L			03/11/16 16:12	10
Bromoform	ND		10	2.6	ug/L			03/11/16 16:12	10
Bromomethane	ND		10	6.9	ug/L			03/11/16 16:12	10
Carbon disulfide	ND		10	1.9	ug/L			03/11/16 16:12	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/11/16 16:12	10
Chlorobenzene	ND		10	7.5	ug/L			03/11/16 16:12	10
Dibromochloromethane	ND		10	3.2	ug/L			03/11/16 16:12	10
Chloroethane	ND		10	3.2	ug/L			03/11/16 16:12	10
Chloroform	ND		10	3.4	ug/L			03/11/16 16:12	10
Chloromethane	ND		10	3.5	ug/L			03/11/16 16:12	10
cis-1,2-Dichloroethene	**650**		10	8.1	ug/L			03/11/16 16:12	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/11/16 16:12	10
Ethylbenzene	ND		10	7.4	ug/L			03/11/16 16:12	10
Methylene Chloride	ND		10	4.4	ug/L			03/11/16 16:12	10
Styrene	ND		10	7.3	ug/L			03/11/16 16:12	10
Tetrachloroethene	ND		10	3.6	ug/L			03/11/16 16:12	10
Toluene	ND		10	5.1	ug/L			03/11/16 16:12	10
trans-1,2-Dichloroethene	**170**		10	9.0	ug/L			03/11/16 16:12	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/11/16 16:12	10
Trichloroethene	ND		10	4.6	ug/L			03/11/16 16:12	10
Vinyl chloride	**34**		10	9.0	ug/L			03/11/16 16:12	10
Xylenes, Total	ND		20	6.6	ug/L			03/11/16 16:12	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/11/16 16:12*	*10*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/11/16 16:12*	*10*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*03/11/16 16:12*	*10*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*03/11/16 16:12*	*10*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-5P-030216

Lab Sample ID: 480-95954-12

Date Collected: 03/02/16 12:53
Matrix: Water
Date Received: 03/03/16 07:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**35**		4.0	3.3	ug/L			03/11/16 16:39	4
1,1,2,2-Tetrachloroethane	ND		4.0	0.84	ug/L			03/11/16 16:39	4
1,1,2-Trichloroethane	ND		4.0	0.92	ug/L			03/11/16 16:39	4
1,1-Dichloroethane	**2.9**	**J**	4.0	1.5	ug/L			03/11/16 16:39	4
1,1-Dichloroethene	**7.8**		4.0	1.2	ug/L			03/11/16 16:39	4
1,2-Dichloroethane	ND		4.0	0.84	ug/L			03/11/16 16:39	4
1,2-Dichloropropane	ND		4.0	2.9	ug/L			03/11/16 16:39	4
2-Hexanone	ND		20	5.0	ug/L			03/11/16 16:39	4
2-Butanone (MEK)	ND		40	5.3	ug/L			03/11/16 16:39	4
4-Methyl-2-pentanone (MIBK)	ND		20	8.4	ug/L			03/11/16 16:39	4
Acetone	**24**	**J**	40	12	ug/L			03/11/16 16:39	4
Benzene	ND		4.0	1.6	ug/L			03/11/16 16:39	4
Bromodichloromethane	ND		4.0	1.6	ug/L			03/11/16 16:39	4
Bromoform	ND		4.0	1.0	ug/L			03/11/16 16:39	4
Bromomethane	ND		4.0	2.8	ug/L			03/11/16 16:39	4
Carbon disulfide	ND		4.0	0.76	ug/L			03/11/16 16:39	4
Carbon tetrachloride	ND		4.0	1.1	ug/L			03/11/16 16:39	4
Chlorobenzene	ND		4.0	3.0	ug/L			03/11/16 16:39	4
Dibromochloromethane	ND		4.0	1.3	ug/L			03/11/16 16:39	4
Chloroethane	ND		4.0	1.3	ug/L			03/11/16 16:39	4
Chloroform	ND		4.0	1.4	ug/L			03/11/16 16:39	4
Chloromethane	ND		4.0	1.4	ug/L			03/11/16 16:39	4
cis-1,2-Dichloroethene	**3.8**	**J**	4.0	3.2	ug/L			03/11/16 16:39	4
cis-1,3-Dichloropropene	ND		4.0	1.4	ug/L			03/11/16 16:39	4
Ethylbenzene	ND		4.0	3.0	ug/L			03/11/16 16:39	4
Methylene Chloride	ND		4.0	1.8	ug/L			03/11/16 16:39	4
Styrene	ND		4.0	2.9	ug/L			03/11/16 16:39	4
Tetrachloroethene	ND		4.0	1.4	ug/L			03/11/16 16:39	4
Toluene	ND		4.0	2.0	ug/L			03/11/16 16:39	4
trans-1,2-Dichloroethene	ND		4.0	3.6	ug/L			03/11/16 16:39	4
trans-1,3-Dichloropropene	ND		4.0	1.5	ug/L			03/11/16 16:39	4
Trichloroethene	**93**		4.0	1.8	ug/L			03/11/16 16:39	4
Vinyl chloride	ND		4.0	3.6	ug/L			03/11/16 16:39	4
Xylenes, Total	ND		8.0	2.6	ug/L			03/11/16 16:39	4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/11/16 16:39*	*4*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/11/16 16:39*	*4*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/11/16 16:39*	*4*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*03/11/16 16:39*	*4*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-5S-030216

Lab Sample ID: 480-95954-13

Date Collected: 03/02/16 12:58
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 17:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 17:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 17:06	1
1,1-Dichloroethane	**4.4**		1.0	0.38	ug/L			03/11/16 17:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 17:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 17:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 17:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 17:06	1
2-Butanone (MEK)	**2.6**	**J**	10	1.3	ug/L			03/11/16 17:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 17:06	1
Acetone	**23**		10	3.0	ug/L			03/11/16 17:06	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 17:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 17:06	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 17:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 17:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 17:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 17:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 17:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 17:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 17:06	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 17:06	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 17:06	1
cis-1,2-Dichloroethene	**5.1**		1.0	0.81	ug/L			03/11/16 17:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 17:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 17:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 17:06	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 17:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 17:06	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 17:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 17:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 17:06	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 17:06	1
Vinyl chloride	**36**		1.0	0.90	ug/L			03/11/16 17:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 17:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/11/16 17:06*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/11/16 17:06*	*1*
4-Bromofluorobenzene (Surr)	*87*		*73 - 120*		*03/11/16 17:06*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/11/16 17:06*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: PMW-2D-030216

Lab Sample ID: 480-95954-14

Date Collected: 03/02/16 13:15
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 17:34	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 17:34	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 17:34	1
1,1-Dichloroethane	**0.41**	**J**	1.0	0.38	ug/L			03/11/16 17:34	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 17:34	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 17:34	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 17:34	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 17:34	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 17:34	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 17:34	1
Acetone	ND		10	3.0	ug/L			03/11/16 17:34	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 17:34	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 17:34	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 17:34	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 17:34	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 17:34	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 17:34	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 17:34	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 17:34	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 17:34	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 17:34	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 17:34	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 17:34	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 17:34	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 17:34	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 17:34	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 17:34	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 17:34	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 17:34	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 17:34	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 17:34	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 17:34	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 17:34	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 17:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/11/16 17:34*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/11/16 17:34*	*1*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/11/16 17:34*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*03/11/16 17:34*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-4P-030216

Lab Sample ID: 480-95954-15

Date Collected: 03/02/16 13:33
Matrix: Water
Date Received: 03/03/16 07:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**41**		1.0	0.82	ug/L			03/11/16 18:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 18:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 18:01	1
1,1-Dichloroethane	**6.5**		1.0	0.38	ug/L			03/11/16 18:01	1
1,1-Dichloroethene	**7.3**		1.0	0.29	ug/L			03/11/16 18:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 18:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 18:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 18:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 18:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 18:01	1
Acetone	ND		10	3.0	ug/L			03/11/16 18:01	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 18:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 18:01	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 18:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 18:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 18:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 18:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 18:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 18:01	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 18:01	1
Chloroform	**0.61**	**J**	1.0	0.34	ug/L			03/11/16 18:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 18:01	1
cis-1,2-Dichloroethene	**3.6**		1.0	0.81	ug/L			03/11/16 18:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 18:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 18:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 18:01	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 18:01	1
Tetrachloroethene	**10**		1.0	0.36	ug/L			03/11/16 18:01	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 18:01	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 18:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 18:01	1
Trichloroethene	**91**		1.0	0.46	ug/L			03/11/16 18:01	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 18:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/11/16 18:01*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/11/16 18:01*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/11/16 18:01*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*03/11/16 18:01*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-4S-030216

Lab Sample ID: 480-95954-16

Date Collected: 03/02/16 13:38
Matrix: Water
Date Received: 03/03/16 07:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**2.5**		1.0	0.82	ug/L			03/11/16 18:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 18:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 18:28	1
1,1-Dichloroethane	**1.6**		1.0	0.38	ug/L			03/11/16 18:28	1
1,1-Dichloroethene	**1.2**		1.0	0.29	ug/L			03/11/16 18:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 18:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 18:28	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 18:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 18:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 18:28	1
Acetone	ND		10	3.0	ug/L			03/11/16 18:28	1
Benzene	**0.53**	**J**	1.0	0.41	ug/L			03/11/16 18:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 18:28	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 18:28	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 18:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 18:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 18:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 18:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 18:28	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 18:28	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 18:28	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 18:28	1
cis-1,2-Dichloroethene	**17**		1.0	0.81	ug/L			03/11/16 18:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 18:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 18:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 18:28	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 18:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 18:28	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 18:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 18:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 18:28	1
Trichloroethene	**4.7**		1.0	0.46	ug/L			03/11/16 18:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 18:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/11/16 18:28*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/11/16 18:28*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/11/16 18:28*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*03/11/16 18:28*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: PMW-4D-030216

Lab Sample ID: 480-95954-17

Date Collected: 03/02/16 14:18
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 18:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 18:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 18:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 18:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 18:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 18:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 18:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 18:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 18:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 18:55	1
Acetone	ND		10	3.0	ug/L			03/11/16 18:55	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 18:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 18:55	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 18:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 18:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 18:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 18:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 18:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 18:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 18:55	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 18:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 18:55	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 18:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 18:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 18:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 18:55	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 18:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 18:55	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 18:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 18:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 18:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 18:55	1
Vinyl chloride	**2.7**		1.0	0.90	ug/L			03/11/16 18:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/11/16 18:55*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/11/16 18:55*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/11/16 18:55*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*03/11/16 18:55*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-13P-030216

Lab Sample ID: 480-95954-18

Date Collected: 03/02/16 14:50
Matrix: Water
Date Received: 03/03/16 07:40

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			03/12/16 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/16 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/16 00:28	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/16 00:28	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/16 00:28	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/16 00:28	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/16 00:28	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/16 00:28	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/16 00:28	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/16 00:28	1
Acetone	ND		10	3.0	ug/L			03/12/16 00:28	1
Benzene	ND		1.0	0.41	ug/L			03/12/16 00:28	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/16 00:28	1
Bromoform	ND		1.0	0.26	ug/L			03/12/16 00:28	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/16 00:28	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/16 00:28	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/16 00:28	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/16 00:28	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/16 00:28	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/16 00:28	1
Chloroform	ND		1.0	0.34	ug/L			03/12/16 00:28	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/16 00:28	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/16 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/16 00:28	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/16 00:28	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/16 00:28	1
Styrene	ND		1.0	0.73	ug/L			03/12/16 00:28	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/16 00:28	1
Toluene	ND		1.0	0.51	ug/L			03/12/16 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/16 00:28	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/16 00:28	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/16 00:28	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/12/16 00:28	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/16 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/12/16 00:28*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/12/16 00:28*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/12/16 00:28*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*03/12/16 00:28*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-13S-030216

Lab Sample ID: 480-95954-19

Date Collected: 03/02/16 14:55
Matrix: Water
Date Received: 03/03/16 07:40

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			03/12/16 00:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/16 00:55	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/16 00:55	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/16 00:55	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/16 00:55	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/16 00:55	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/16 00:55	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/16 00:55	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/16 00:55	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/16 00:55	1
Acetone	ND		10	3.0	ug/L			03/12/16 00:55	1
Benzene	ND		1.0	0.41	ug/L			03/12/16 00:55	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/16 00:55	1
Bromoform	ND		1.0	0.26	ug/L			03/12/16 00:55	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/16 00:55	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/16 00:55	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/16 00:55	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/16 00:55	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/16 00:55	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/16 00:55	1
Chloroform	ND		1.0	0.34	ug/L			03/12/16 00:55	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/16 00:55	1
cis-1,2-Dichloroethene	**12**		1.0	0.81	ug/L			03/12/16 00:55	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/16 00:55	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/16 00:55	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/16 00:55	1
Styrene	ND		1.0	0.73	ug/L			03/12/16 00:55	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/16 00:55	1
Toluene	ND		1.0	0.51	ug/L			03/12/16 00:55	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/16 00:55	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/16 00:55	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/16 00:55	1
Vinyl chloride	**0.97**	**J**	1.0	0.90	ug/L			03/12/16 00:55	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/16 00:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*03/12/16 00:55*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/12/16 00:55*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/12/16 00:55*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*03/12/16 00:55*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-11S-030216

Lab Sample ID: 480-95954-20

Date Collected: 03/02/16 15:10
Matrix: Water
Date Received: 03/03/16 07:40

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			03/12/16 01:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/12/16 01:22	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/12/16 01:22	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/12/16 01:22	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/12/16 01:22	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/12/16 01:22	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/12/16 01:22	1
2-Hexanone	ND		5.0	1.2	ug/L			03/12/16 01:22	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/12/16 01:22	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/12/16 01:22	1
Acetone	ND		10	3.0	ug/L			03/12/16 01:22	1
Benzene	ND		1.0	0.41	ug/L			03/12/16 01:22	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/12/16 01:22	1
Bromoform	ND		1.0	0.26	ug/L			03/12/16 01:22	1
Bromomethane	ND		1.0	0.69	ug/L			03/12/16 01:22	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/12/16 01:22	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/12/16 01:22	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/12/16 01:22	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/12/16 01:22	1
Chloroethane	ND		1.0	0.32	ug/L			03/12/16 01:22	1
Chloroform	ND		1.0	0.34	ug/L			03/12/16 01:22	1
Chloromethane	ND		1.0	0.35	ug/L			03/12/16 01:22	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/12/16 01:22	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/12/16 01:22	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/12/16 01:22	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/12/16 01:22	1
Styrene	ND		1.0	0.73	ug/L			03/12/16 01:22	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/12/16 01:22	1
Toluene	ND		1.0	0.51	ug/L			03/12/16 01:22	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/12/16 01:22	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/12/16 01:22	1
Trichloroethene	ND		1.0	0.46	ug/L			03/12/16 01:22	1
Vinyl chloride	**3.0**		1.0	0.90	ug/L			03/12/16 01:22	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/12/16 01:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*66 - 137*		*03/12/16 01:22*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/12/16 01:22*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/12/16 01:22*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*03/12/16 01:22*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-11D-030216

Lab Sample ID: 480-95954-21

Date Collected: 03/02/16 15:15
Matrix: Water
Date Received: 03/03/16 07:40

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			03/11/16 19:23	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 19:23	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 19:23	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 19:23	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 19:23	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 19:23	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 19:23	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 19:23	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 19:23	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 19:23	1
Acetone	ND		10	3.0	ug/L			03/11/16 19:23	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 19:23	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 19:23	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 19:23	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 19:23	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 19:23	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 19:23	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 19:23	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 19:23	1
Chloroethane	**0.44**	**J**	1.0	0.32	ug/L			03/11/16 19:23	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 19:23	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 19:23	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.81	ug/L			03/11/16 19:23	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 19:23	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 19:23	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 19:23	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 19:23	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 19:23	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 19:23	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 19:23	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 19:23	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 19:23	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			03/11/16 19:23	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/11/16 19:23*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*03/11/16 19:23*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/11/16 19:23*	*1*
Dibromofluoromethane (Surr)	*107*		*60 - 140*		*03/11/16 19:23*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: OSMW-6D-030216

Lab Sample ID: 480-95954-22

Date Collected: 03/02/16 15:58
Matrix: Water
Date Received: 03/03/16 07:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		5.0	4.1	ug/L			03/12/16 01:49	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.1	ug/L			03/12/16 01:49	5
1,1,2-Trichloroethane	ND		5.0	1.2	ug/L			03/12/16 01:49	5
1,1-Dichloroethane	**4.0**	**J**	5.0	1.9	ug/L			03/12/16 01:49	5
1,1-Dichloroethene	ND		5.0	1.5	ug/L			03/12/16 01:49	5
1,2-Dichloroethane	ND		5.0	1.1	ug/L			03/12/16 01:49	5
1,2-Dichloropropane	ND		5.0	3.6	ug/L			03/12/16 01:49	5
2-Hexanone	ND		25	6.2	ug/L			03/12/16 01:49	5
2-Butanone (MEK)	ND		50	6.6	ug/L			03/12/16 01:49	5
4-Methyl-2-pentanone (MIBK)	ND		25	11	ug/L			03/12/16 01:49	5
Acetone	ND		50	15	ug/L			03/12/16 01:49	5
Benzene	ND		5.0	2.1	ug/L			03/12/16 01:49	5
Bromodichloromethane	ND		5.0	2.0	ug/L			03/12/16 01:49	5
Bromoform	ND		5.0	1.3	ug/L			03/12/16 01:49	5
Bromomethane	ND		5.0	3.5	ug/L			03/12/16 01:49	5
Carbon disulfide	ND		5.0	0.95	ug/L			03/12/16 01:49	5
Carbon tetrachloride	ND		5.0	1.4	ug/L			03/12/16 01:49	5
Chlorobenzene	ND		5.0	3.8	ug/L			03/12/16 01:49	5
Dibromochloromethane	ND		5.0	1.6	ug/L			03/12/16 01:49	5
Chloroethane	ND		5.0	1.6	ug/L			03/12/16 01:49	5
Chloroform	ND		5.0	1.7	ug/L			03/12/16 01:49	5
Chloromethane	ND		5.0	1.8	ug/L			03/12/16 01:49	5
cis-1,2-Dichloroethene	**19**		5.0	4.1	ug/L			03/12/16 01:49	5
cis-1,3-Dichloropropene	ND		5.0	1.8	ug/L			03/12/16 01:49	5
Ethylbenzene	ND		5.0	3.7	ug/L			03/12/16 01:49	5
Methylene Chloride	ND		5.0	2.2	ug/L			03/12/16 01:49	5
Styrene	ND		5.0	3.7	ug/L			03/12/16 01:49	5
Tetrachloroethene	ND		5.0	1.8	ug/L			03/12/16 01:49	5
Toluene	ND		5.0	2.6	ug/L			03/12/16 01:49	5
trans-1,2-Dichloroethene	ND		5.0	4.5	ug/L			03/12/16 01:49	5
trans-1,3-Dichloropropene	ND		5.0	1.9	ug/L			03/12/16 01:49	5
Trichloroethene	ND		5.0	2.3	ug/L			03/12/16 01:49	5
Vinyl chloride	**210**		5.0	4.5	ug/L			03/12/16 01:49	5
Xylenes, Total	ND		10	3.3	ug/L			03/12/16 01:49	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*		*03/12/16 01:49*	*5*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/12/16 01:49*	*5*
4-Bromofluorobenzene (Surr)	*89*		*73 - 120*		*03/12/16 01:49*	*5*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*03/12/16 01:49*	*5*

Client Sample Results

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: DUP-01-030216

Lab Sample ID: 480-95954-23

Date Collected: 03/02/16 12:00
Matrix: Water
Date Received: 03/03/16 07:40

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			03/15/16 01:06	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/15/16 01:06	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/15/16 01:06	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/15/16 01:06	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/15/16 01:06	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/15/16 01:06	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/15/16 01:06	1
2-Hexanone	ND		5.0	1.2	ug/L			03/15/16 01:06	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/15/16 01:06	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/15/16 01:06	1
Acetone	ND		10	3.0	ug/L			03/15/16 01:06	1
Benzene	ND		1.0	0.41	ug/L			03/15/16 01:06	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/15/16 01:06	1
Bromoform	ND		1.0	0.26	ug/L			03/15/16 01:06	1
Bromomethane	ND		1.0	0.69	ug/L			03/15/16 01:06	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/15/16 01:06	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/15/16 01:06	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/15/16 01:06	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/15/16 01:06	1
Chloroethane	ND		1.0	0.32	ug/L			03/15/16 01:06	1
Chloroform	ND		1.0	0.34	ug/L			03/15/16 01:06	1
Chloromethane	ND		1.0	0.35	ug/L			03/15/16 01:06	1
cis-1,2-Dichloroethene	**1.7**		1.0	0.81	ug/L			03/15/16 01:06	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/15/16 01:06	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/15/16 01:06	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/15/16 01:06	1
Styrene	ND		1.0	0.73	ug/L			03/15/16 01:06	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/15/16 01:06	1
Toluene	ND		1.0	0.51	ug/L			03/15/16 01:06	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/15/16 01:06	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/15/16 01:06	1
Trichloroethene	ND		1.0	0.46	ug/L			03/15/16 01:06	1
Vinyl chloride	**1.1**		1.0	0.90	ug/L			03/15/16 01:06	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/15/16 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*		*03/15/16 01:06*	*1*
Toluene-d8 (Surr)	*93*		*71 - 126*		*03/15/16 01:06*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/15/16 01:06*	*1*
Dibromofluoromethane (Surr)	*105*		*60 - 140*		*03/15/16 01:06*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-95954-1	Trip Blank	96	88	87	94
480-95954-2	TMW-1P-030216	101	88	86	98
480-95954-3	TMW-1S-030216	99	87	85	97
480-95954-3 - DL	TMW-1S-030216	110	95	89	105
480-95954-4	TMW-1D-030216	100	87	85	97
480-95954-5	AF-6S-030216	98	89	87	95
480-95954-6	AF-25P-030216	99	88	83	96
480-95954-7	AF-19S-030216	110	95	90	107
480-95954-8	AF-19D-030216	124	94	91	100
480-95954-9	AF-9S-030216	112	96	92	102
480-95954-10	TMW-2S-030216	112	97	91	102
480-95954-11	TMW-2D-030216	109	96	92	104
480-95954-12	AF-5P-030216	109	94	90	104
480-95954-13	AF-5S-030216	109	94	87	103
480-95954-14	PMW-2D-030216	110	95	89	105
480-95954-15	AF-4P-030216	112	95	88	107
480-95954-16	AF-4S-030216	109	94	88	107
480-95954-17	PMW-4D-030216	110	95	88	105
480-95954-18	AF-13P-030216	109	95	90	104
480-95954-19	AF-13S-030216	111	94	90	105
480-95954-20	AF-11S-030216	107	94	90	104
480-95954-21	AF-11D-030216	112	97	88	107
480-95954-21 MS	AF-11D-030216	109	94	95	104
480-95954-21 MSD	AF-11D-030216	112	96	93	106
480-95954-22	OSMW-6D-030216	109	95	89	105
480-95954-23	DUP-01-030216	110	93	90	105
LCS 480-290588/4	Lab Control Sample	97	90	93	95
LCS 480-290640/4	Lab Control Sample	104	96	95	101
LCS 480-290774/4	Lab Control Sample	110	96	97	104
LCS 480-290994/5	Lab Control Sample	111	95	98	105
MB 480-290588/6	Method Blank	96	88	88	93
MB 480-290640/6	Method Blank	106	95	90	102
MB 480-290774/6	Method Blank	108	94	91	104
MB 480-290994/7	Method Blank	108	92	94	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

Lab Sample ID: MB 480-290588/6
Matrix: Water
Analysis Batch: 290588

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			03/11/16 00:35	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 00:35	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 00:35	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 00:35	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 00:35	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 00:35	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 00:35	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 00:35	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 00:35	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 00:35	1
Acetone	ND		10	3.0	ug/L			03/11/16 00:35	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 00:35	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 00:35	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 00:35	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 00:35	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 00:35	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 00:35	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 00:35	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 00:35	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 00:35	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 00:35	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 00:35	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 00:35	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 00:35	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 00:35	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 00:35	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 00:35	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 00:35	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 00:35	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 00:35	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 00:35	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 00:35	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 00:35	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 00:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*03/11/16 00:35*	*1*
Toluene-d8 (Surr)	*88*		*71 - 126*		*03/11/16 00:35*	*1*
4-Bromofluorobenzene (Surr)	*88*		*73 - 120*		*03/11/16 00:35*	*1*
Dibromofluoromethane (Surr)	*93*		*60 - 140*		*03/11/16 00:35*	*1*

Lab Sample ID: LCS 480-290588/4
Matrix: Water
Analysis Batch: 290588

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	24.9		ug/L		100	70 - 126

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

Lab Sample ID: LCS 480-290588/4
Matrix: Water
Analysis Batch: 290588

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	23.5		ug/L		94	71 - 129
1,1-Dichloroethene	25.0	23.1		ug/L		93	58 - 121
1,2-Dichloroethane	25.0	26.2		ug/L		105	75 - 127
1,2-Dichloropropane	25.0	23.7		ug/L		95	76 - 120
2-Hexanone	125	136		ug/L		109	65 - 127
2-Butanone (MEK)	125	128		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	125	133		ug/L		107	71 - 125
Acetone	125	128		ug/L		103	56 - 142
Benzene	25.0	23.6		ug/L		94	71 - 124
Bromodichloromethane	25.0	27.1		ug/L		108	80 - 122
Bromoform	25.0	25.7		ug/L		103	52 - 132
Bromomethane	25.0	25.8		ug/L		103	55 - 144
Carbon disulfide	25.0	22.6		ug/L		90	59 - 134
Carbon tetrachloride	25.0	25.6		ug/L		102	72 - 134
Chlorobenzene	25.0	23.0		ug/L		92	72 - 120
Dibromochloromethane	25.0	26.2		ug/L		105	75 - 125
Chloroethane	25.0	21.7		ug/L		87	69 - 136
Chloroform	25.0	25.7		ug/L		103	73 - 127
Chloromethane	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	24.0		ug/L		96	74 - 124
cis-1,3-Dichloropropene	25.0	25.5		ug/L		102	74 - 124
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Methylene Chloride	25.0	23.2		ug/L		93	57 - 132
Styrene	25.0	24.3		ug/L		97	70 - 130
Tetrachloroethene	25.0	22.4		ug/L		89	74 - 122
Toluene	25.0	23.1		ug/L		92	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		94	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	72 - 123
Trichloroethene	25.0	24.4		ug/L		98	74 - 123
Vinyl chloride	25.0	21.9		ug/L		88	65 - 133
Xylenes, Total	50.0	46.3		ug/L		93	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*66 - 137*
Toluene-d8 (Surr)	*90*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*95*		*60 - 140*

Lab Sample ID: MB 480-290640/6
Matrix: Water
Analysis Batch: 290640

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			03/11/16 13:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 13:15	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 13:15	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 13:15	1

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

Lab Sample ID: MB 480-290640/6
Matrix: Water
Analysis Batch: 290640

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			03/11/16 13:15	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 13:15	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 13:15	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 13:15	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 13:15	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 13:15	1
Acetone	ND		10	3.0	ug/L			03/11/16 13:15	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 13:15	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/11/16 13:15	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 13:15	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 13:15	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 13:15	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 13:15	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 13:15	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 13:15	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 13:15	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 13:15	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 13:15	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 13:15	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 13:15	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 13:15	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 13:15	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 13:15	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 13:15	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 13:15	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 13:15	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 13:15	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 13:15	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 13:15	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 13:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*66 - 137*		*03/11/16 13:15*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/11/16 13:15*	*1*
4-Bromofluorobenzene (Surr)	*90*		*73 - 120*		*03/11/16 13:15*	*1*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/11/16 13:15*	*1*

Lab Sample ID: LCS 480-290640/4
Matrix: Water
Analysis Batch: 290640

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	24.9		ug/L		100	70 - 126
1,1,2-Trichloroethane	25.0	24.6		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	22.5		ug/L		90	71 - 129
1,1-Dichloroethene	25.0	22.8		ug/L		91	58 - 121
1,2-Dichloroethane	25.0	25.7		ug/L		103	75 - 127

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

Lab Sample ID: LCS 480-290640/4
Matrix: Water
Analysis Batch: 290640

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	22.2		ug/L		89	76 - 120
2-Hexanone	125	135		ug/L		108	65 - 127
2-Butanone (MEK)	125	124		ug/L		100	57 - 140
4-Methyl-2-pentanone (MIBK)	125	132		ug/L		106	71 - 125
Acetone	125	130		ug/L		104	56 - 142
Benzene	25.0	22.5		ug/L		90	71 - 124
Bromodichloromethane	25.0	26.3		ug/L		105	80 - 122
Bromoform	25.0	25.3		ug/L		101	52 - 132
Bromomethane	25.0	22.1		ug/L		88	55 - 144
Carbon disulfide	25.0	21.9		ug/L		88	59 - 134
Carbon tetrachloride	25.0	25.1		ug/L		100	72 - 134
Chlorobenzene	25.0	22.6		ug/L		90	72 - 120
Dibromochloromethane	25.0	25.8		ug/L		103	75 - 125
Chloroethane	25.0	21.5		ug/L		86	69 - 136
Chloroform	25.0	25.1		ug/L		101	73 - 127
Chloromethane	25.0	23.6		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	23.0		ug/L		92	74 - 124
cis-1,3-Dichloropropene	25.0	24.2		ug/L		97	74 - 124
Ethylbenzene	25.0	23.3		ug/L		93	77 - 123
Methylene Chloride	25.0	22.9		ug/L		92	57 - 132
Styrene	25.0	23.6		ug/L		95	70 - 130
Tetrachloroethene	25.0	21.8		ug/L		87	74 - 122
Toluene	25.0	22.3		ug/L		89	80 - 122
trans-1,2-Dichloroethene	25.0	23.2		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	25.5		ug/L		102	72 - 123
Trichloroethene	25.0	22.9		ug/L		91	74 - 123
Vinyl chloride	25.0	22.4		ug/L		89	65 - 133
Xylenes, Total	50.0	45.0		ug/L		90	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: 480-95954-21 MS
Matrix: Water
Analysis Batch: 290640

Client Sample ID: AF-11D-030216
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	28.3		ug/L		113	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	27.9		ug/L		112	70 - 126
1,1,2-Trichloroethane	ND		25.0	26.2		ug/L		105	76 - 122
1,1-Dichloroethane	ND		25.0	24.9		ug/L		100	71 - 129
1,1-Dichloroethene	ND		25.0	26.4		ug/L		106	58 - 121
1,2-Dichloroethane	ND		25.0	28.9		ug/L		116	75 - 127
1,2-Dichloropropane	ND		25.0	23.8		ug/L		95	76 - 120
2-Hexanone	ND		125	139		ug/L		111	65 - 127

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

Lab Sample ID: 480-95954-21 MS
Matrix: Water
Analysis Batch: 290640

Client Sample ID: AF-11D-030216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Butanone (MEK)	ND		125	128		ug/L		102	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	139		ug/L		111	71 - 125
Acetone	ND		125	129		ug/L		103	56 - 142
Benzene	ND		25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122
Bromoform	ND		25.0	25.8		ug/L		103	52 - 132
Bromomethane	ND		25.0	26.4		ug/L		106	55 - 144
Carbon disulfide	ND		25.0	24.8		ug/L		99	59 - 134
Carbon tetrachloride	ND		25.0	28.7		ug/L		115	72 - 134
Chlorobenzene	ND		25.0	23.8		ug/L		95	72 - 120
Dibromochloromethane	ND		25.0	27.2		ug/L		109	75 - 125
Chloroethane	0.44	J	25.0	23.3		ug/L		91	69 - 136
Chloroform	ND		25.0	28.4		ug/L		114	73 - 127
Chloromethane	ND		25.0	27.1		ug/L		108	68 - 124
cis-1,2-Dichloroethene	1.7		25.0	26.8		ug/L		100	74 - 124
cis-1,3-Dichloropropene	ND		25.0	25.1		ug/L		100	74 - 124
Ethylbenzene	ND		25.0	25.0		ug/L		100	77 - 123
Methylene Chloride	ND		25.0	25.5		ug/L		102	57 - 132
Styrene	ND		25.0	24.8		ug/L		99	70 - 130
Tetrachloroethene	ND		25.0	22.7		ug/L		91	74 - 122
Toluene	ND		25.0	23.4		ug/L		94	80 - 122
trans-1,2-Dichloroethene	ND		25.0	26.0		ug/L		104	73 - 127
trans-1,3-Dichloropropene	ND		25.0	26.3		ug/L		105	72 - 123
Trichloroethene	ND		25.0	25.3		ug/L		101	74 - 123
Vinyl chloride	1.1		25.0	27.4		ug/L		105	65 - 133
Xylenes, Total	ND		50.0	47.4		ug/L		95	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*66 - 137*
Toluene-d8 (Surr)	*94*		*71 - 126*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*60 - 140*

Lab Sample ID: 480-95954-21 MSD
Matrix: Water
Analysis Batch: 290640

Client Sample ID: AF-11D-030216
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	28.3		ug/L		113	73 - 126	0	15
1,1,2,2-Tetrachloroethane	ND		25.0	26.9		ug/L		108	70 - 126	4	15
1,1,2-Trichloroethane	ND		25.0	25.1		ug/L		100	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	24.5		ug/L		98	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	25.2		ug/L		101	58 - 121	5	16
1,2-Dichloroethane	ND		25.0	27.9		ug/L		112	75 - 127	3	20
1,2-Dichloropropane	ND		25.0	23.9		ug/L		95	76 - 120	0	20
2-Hexanone	ND		125	138		ug/L		110	65 - 127	1	15
2-Butanone (MEK)	ND		125	127		ug/L		102	57 - 140	1	20
4-Methyl-2-pentanone (MIBK)	ND		125	137		ug/L		110	71 - 125	1	35

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

Lab Sample ID: 480-95954-21 MSD
Matrix: Water
Analysis Batch: 290640

Client Sample ID: AF-11D-030216
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		125	121		ug/L		97	56 - 142	6	15
Benzene	ND		25.0	24.5		ug/L		98	71 - 124	1	13
Bromodichloromethane	ND		25.0	28.5		ug/L		114	80 - 122	0	15
Bromoform	ND		25.0	24.6		ug/L		98	52 - 132	5	15
Bromomethane	ND		25.0	25.4		ug/L		102	55 - 144	4	15
Carbon disulfide	ND		25.0	24.2		ug/L		97	59 - 134	3	15
Carbon tetrachloride	ND		25.0	28.4		ug/L		114	72 - 134	1	15
Chlorobenzene	ND		25.0	23.1		ug/L		93	72 - 120	3	25
Dibromochloromethane	ND		25.0	26.1		ug/L		105	75 - 125	4	15
Chloroethane	0.44	J	25.0	25.4		ug/L		100	69 - 136	9	15
Chloroform	ND		25.0	27.2		ug/L		109	73 - 127	4	20
Chloromethane	ND		25.0	27.7		ug/L		111	68 - 124	2	15
cis-1,2-Dichloroethene	1.7		25.0	26.4		ug/L		99	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	24.8		ug/L		99	74 - 124	1	15
Ethylbenzene	ND		25.0	24.3		ug/L		97	77 - 123	3	15
Methylene Chloride	ND		25.0	24.2		ug/L		97	57 - 132	5	15
Styrene	ND		25.0	24.1		ug/L		97	70 - 130	3	20
Tetrachloroethene	ND		25.0	22.7		ug/L		91	74 - 122	0	20
Toluene	ND		25.0	23.1		ug/L		93	80 - 122	1	15
trans-1,2-Dichloroethene	ND		25.0	25.3		ug/L		101	73 - 127	2	20
trans-1,3-Dichloropropene	ND		25.0	25.2		ug/L		101	72 - 123	4	15
Trichloroethene	ND		25.0	24.9		ug/L		100	74 - 123	1	16
Vinyl chloride	1.1		25.0	28.3		ug/L		109	65 - 133	3	15
Xylenes, Total	ND		50.0	46.6		ug/L		93	76 - 122	2	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*60 - 140*

Lab Sample ID: MB 480-290774/6
Matrix: Water
Analysis Batch: 290774

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			03/11/16 23:46	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/11/16 23:46	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/11/16 23:46	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/11/16 23:46	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/11/16 23:46	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/11/16 23:46	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/11/16 23:46	1
2-Hexanone	ND		5.0	1.2	ug/L			03/11/16 23:46	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/11/16 23:46	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/11/16 23:46	1
Acetone	ND		10	3.0	ug/L			03/11/16 23:46	1
Benzene	ND		1.0	0.41	ug/L			03/11/16 23:46	1

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

Lab Sample ID: MB 480-290774/6
Matrix: Water
Analysis Batch: 290774

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			03/11/16 23:46	1
Bromoform	ND		1.0	0.26	ug/L			03/11/16 23:46	1
Bromomethane	ND		1.0	0.69	ug/L			03/11/16 23:46	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/11/16 23:46	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/11/16 23:46	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/11/16 23:46	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/11/16 23:46	1
Chloroethane	ND		1.0	0.32	ug/L			03/11/16 23:46	1
Chloroform	ND		1.0	0.34	ug/L			03/11/16 23:46	1
Chloromethane	ND		1.0	0.35	ug/L			03/11/16 23:46	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/11/16 23:46	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/11/16 23:46	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/11/16 23:46	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/11/16 23:46	1
Styrene	ND		1.0	0.73	ug/L			03/11/16 23:46	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/11/16 23:46	1
Toluene	ND		1.0	0.51	ug/L			03/11/16 23:46	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/11/16 23:46	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/11/16 23:46	1
Trichloroethene	ND		1.0	0.46	ug/L			03/11/16 23:46	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/11/16 23:46	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/11/16 23:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*03/11/16 23:46*	*1*
Toluene-d8 (Surr)	*94*		*71 - 126*		*03/11/16 23:46*	*1*
4-Bromofluorobenzene (Surr)	*91*		*73 - 120*		*03/11/16 23:46*	*1*
Dibromofluoromethane (Surr)	*104*		*60 - 140*		*03/11/16 23:46*	*1*

Lab Sample ID: LCS 480-290774/4
Matrix: Water
Analysis Batch: 290774

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	24.7		ug/L		99	70 - 126
1,1,2-Trichloroethane	25.0	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	24.6		ug/L		99	71 - 129
1,1-Dichloroethene	25.0	24.3		ug/L		97	58 - 121
1,2-Dichloroethane	25.0	27.1		ug/L		108	75 - 127
1,2-Dichloropropane	25.0	24.5		ug/L		98	76 - 120
2-Hexanone	125	136		ug/L		109	65 - 127
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	134		ug/L		107	71 - 125
Acetone	125	134		ug/L		107	56 - 142
Benzene	25.0	24.6		ug/L		98	71 - 124
Bromodichloromethane	25.0	27.8		ug/L		111	80 - 122
Bromoform	25.0	25.3		ug/L		101	52 - 132

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

Lab Sample ID: LCS 480-290774/4
Matrix: Water
Analysis Batch: 290774

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	25.6		ug/L		103	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	27.8		ug/L		111	72 - 134
Chlorobenzene	25.0	23.7		ug/L		95	72 - 120
Dibromochloromethane	25.0	26.0		ug/L		104	75 - 125
Chloroethane	25.0	22.6		ug/L		91	69 - 136
Chloroform	25.0	26.8		ug/L		107	73 - 127
Chloromethane	25.0	23.9		ug/L		96	68 - 124
cis-1,2-Dichloroethene	25.0	24.4		ug/L		97	74 - 124
cis-1,3-Dichloropropene	25.0	25.9		ug/L		104	74 - 124
Ethylbenzene	25.0	24.5		ug/L		98	77 - 123
Methylene Chloride	25.0	23.6		ug/L		94	57 - 132
Styrene	25.0	24.7		ug/L		99	70 - 130
Tetrachloroethene	25.0	23.6		ug/L		95	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	24.8		ug/L		99	73 - 127
trans-1,3-Dichloropropene	25.0	25.8		ug/L		103	72 - 123
Trichloroethene	25.0	25.5		ug/L		102	74 - 123
Vinyl chloride	25.0	23.0		ug/L		92	65 - 133
Xylenes, Total	50.0	47.5		ug/L		95	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*
Dibromofluoromethane (Surr)	*104*		*60 - 140*

Lab Sample ID: MB 480-290994/7
Matrix: Water
Analysis Batch: 290994

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			03/15/16 00:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/15/16 00:30	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/15/16 00:30	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/15/16 00:30	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/15/16 00:30	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/15/16 00:30	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/15/16 00:30	1
2-Hexanone	ND		5.0	1.2	ug/L			03/15/16 00:30	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/15/16 00:30	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/15/16 00:30	1
Acetone	ND		10	3.0	ug/L			03/15/16 00:30	1
Benzene	ND		1.0	0.41	ug/L			03/15/16 00:30	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/15/16 00:30	1
Bromoform	ND		1.0	0.26	ug/L			03/15/16 00:30	1
Bromomethane	ND		1.0	0.69	ug/L			03/15/16 00:30	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/15/16 00:30	1

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

Lab Sample ID: MB 480-290994/7
Matrix: Water
Analysis Batch: 290994

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/15/16 00:30	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/15/16 00:30	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/15/16 00:30	1
Chloroethane	ND		1.0	0.32	ug/L			03/15/16 00:30	1
Chloroform	ND		1.0	0.34	ug/L			03/15/16 00:30	1
Chloromethane	ND		1.0	0.35	ug/L			03/15/16 00:30	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/15/16 00:30	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/15/16 00:30	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/15/16 00:30	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/15/16 00:30	1
Styrene	ND		1.0	0.73	ug/L			03/15/16 00:30	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/15/16 00:30	1
Toluene	ND		1.0	0.51	ug/L			03/15/16 00:30	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/15/16 00:30	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/15/16 00:30	1
Trichloroethene	ND		1.0	0.46	ug/L			03/15/16 00:30	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/15/16 00:30	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/15/16 00:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*66 - 137*		*03/15/16 00:30*	*1*
Toluene-d8 (Surr)	*92*		*71 - 126*		*03/15/16 00:30*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/15/16 00:30*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/15/16 00:30*	*1*

Lab Sample ID: LCS 480-290994/5
Matrix: Water
Analysis Batch: 290994

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	30.7		ug/L		123	73 - 126
1,1,2,2-Tetrachloroethane	25.0	24.6		ug/L		99	70 - 126
1,1,2-Trichloroethane	25.0	24.7		ug/L		99	76 - 122
1,1-Dichloroethane	25.0	24.9		ug/L		100	71 - 129
1,1-Dichloroethene	25.0	24.9		ug/L		100	58 - 121
1,2-Dichloroethane	25.0	28.3		ug/L		113	75 - 127
1,2-Dichloropropane	25.0	24.2		ug/L		97	76 - 120
2-Hexanone	125	140		ug/L		112	65 - 127
2-Butanone (MEK)	125	141		ug/L		113	57 - 140
4-Methyl-2-pentanone (MIBK)	125	136		ug/L		109	71 - 125
Acetone	125	153		ug/L		123	56 - 142
Benzene	25.0	25.0		ug/L		100	71 - 124
Bromodichloromethane	25.0	28.6		ug/L		114	80 - 122
Bromoform	25.0	26.3		ug/L		105	52 - 132
Bromomethane	25.0	21.1		ug/L		85	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	30.0		ug/L		120	72 - 134
Chlorobenzene	25.0	23.4		ug/L		93	72 - 120

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

Lab Sample ID: LCS 480-290994/5
Matrix: Water
Analysis Batch: 290994

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromochloromethane	25.0	26.7		ug/L		107	75 - 125
Chloroethane	25.0	21.4		ug/L		86	69 - 136
Chloroform	25.0	27.6		ug/L		110	73 - 127
Chloromethane	25.0	22.9		ug/L		92	68 - 124
cis-1,2-Dichloroethene	25.0	25.3		ug/L		101	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Ethylbenzene	25.0	24.6		ug/L		98	77 - 123
Methylene Chloride	25.0	24.1		ug/L		96	57 - 132
Styrene	25.0	24.6		ug/L		99	70 - 130
Tetrachloroethene	25.0	23.8		ug/L		95	74 - 122
Toluene	25.0	23.5		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	25.5		ug/L		102	73 - 127
trans-1,3-Dichloropropene	25.0	26.3		ug/L		105	72 - 123
Trichloroethene	25.0	26.1		ug/L		105	74 - 123
Vinyl chloride	25.0	23.4		ug/L		94	65 - 133
Xylenes, Total	50.0	47.2		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*
Toluene-d8 (Surr)	*95*		*71 - 126*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*105*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

GC/MS VOA

Analysis Batch: 290588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95954-1	Trip Blank	Total/NA	Water	8260C	
480-95954-2	TMW-1P-030216	Total/NA	Water	8260C	
480-95954-3	TMW-1S-030216	Total/NA	Water	8260C	
480-95954-4	TMW-1D-030216	Total/NA	Water	8260C	
480-95954-5	AF-6S-030216	Total/NA	Water	8260C	
480-95954-6	AF-25P-030216	Total/NA	Water	8260C	
LCS 480-290588/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-290588/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 290640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95954-3 - DL	TMW-1S-030216	Total/NA	Water	8260C	
480-95954-7	AF-19S-030216	Total/NA	Water	8260C	
480-95954-8	AF-19D-030216	Total/NA	Water	8260C	
480-95954-9	AF-9S-030216	Total/NA	Water	8260C	
480-95954-10	TMW-2S-030216	Total/NA	Water	8260C	
480-95954-11	TMW-2D-030216	Total/NA	Water	8260C	
480-95954-12	AF-5P-030216	Total/NA	Water	8260C	
480-95954-13	AF-5S-030216	Total/NA	Water	8260C	
480-95954-14	PMW-2D-030216	Total/NA	Water	8260C	
480-95954-15	AF-4P-030216	Total/NA	Water	8260C	
480-95954-16	AF-4S-030216	Total/NA	Water	8260C	
480-95954-17	PMW-4D-030216	Total/NA	Water	8260C	
480-95954-21	AF-11D-030216	Total/NA	Water	8260C	
480-95954-21 MS	AF-11D-030216	Total/NA	Water	8260C	
480-95954-21 MSD	AF-11D-030216	Total/NA	Water	8260C	
LCS 480-290640/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-290640/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 290774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95954-18	AF-13P-030216	Total/NA	Water	8260C	
480-95954-19	AF-13S-030216	Total/NA	Water	8260C	
480-95954-20	AF-11S-030216	Total/NA	Water	8260C	
480-95954-22	OSMW-6D-030216	Total/NA	Water	8260C	
LCS 480-290774/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-290774/6	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 290994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-95954-23	DUP-01-030216	Total/NA	Water	8260C	
LCS 480-290994/5	Lab Control Sample	Total/NA	Water	8260C	
MB 480-290994/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-95954-1

Date Collected: 03/02/16 00:00 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290588	03/11/16 01:19	RRS	TAL BUF

Client Sample ID: TMW-1P-030216 — Lab Sample ID: 480-95954-2

Date Collected: 03/02/16 09:24 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	290588	03/11/16 01:46	RRS	TAL BUF

Client Sample ID: TMW-1S-030216 — Lab Sample ID: 480-95954-3

Date Collected: 03/02/16 09:27 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290588	03/11/16 02:14	RRS	TAL BUF
Total/NA	Analysis	8260C	DL	2	290640	03/11/16 13:55	SWO	TAL BUF

Client Sample ID: TMW-1D-030216 — Lab Sample ID: 480-95954-4

Date Collected: 03/02/16 09:30 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290588	03/11/16 02:41	RRS	TAL BUF

Client Sample ID: AF-6S-030216 — Lab Sample ID: 480-95954-5

Date Collected: 03/02/16 09:55 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290588	03/11/16 03:08	RRS	TAL BUF

Client Sample ID: AF-25P-030216 — Lab Sample ID: 480-95954-6

Date Collected: 03/02/16 11:27 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	290588	03/11/16 03:35	RRS	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-19S-030216 — Lab Sample ID: 480-95954-7

Date Collected: 03/02/16 11:40 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 14:23	SWO	TAL BUF

Client Sample ID: AF-19D-030216 — Lab Sample ID: 480-95954-8

Date Collected: 03/02/16 11:45 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 14:50	SWO	TAL BUF

Client Sample ID: AF-9S-030216 — Lab Sample ID: 480-95954-9

Date Collected: 03/02/16 12:07 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 15:17	SWO	TAL BUF

Client Sample ID: TMW-2S-030216 — Lab Sample ID: 480-95954-10

Date Collected: 03/02/16 12:25 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 15:45	SWO	TAL BUF

Client Sample ID: TMW-2D-030216 — Lab Sample ID: 480-95954-11

Date Collected: 03/02/16 12:30 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	290640	03/11/16 16:12	SWO	TAL BUF

Client Sample ID: AF-5P-030216 — Lab Sample ID: 480-95954-12

Date Collected: 03/02/16 12:53 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		4	290640	03/11/16 16:39	SWO	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-5S-030216 — Lab Sample ID: 480-95954-13

Date Collected: 03/02/16 12:58 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 17:06	SWO	TAL BUF

Client Sample ID: PMW-2D-030216 — Lab Sample ID: 480-95954-14

Date Collected: 03/02/16 13:15 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 17:34	SWO	TAL BUF

Client Sample ID: AF-4P-030216 — Lab Sample ID: 480-95954-15

Date Collected: 03/02/16 13:33 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 18:01	SWO	TAL BUF

Client Sample ID: AF-4S-030216 — Lab Sample ID: 480-95954-16

Date Collected: 03/02/16 13:38 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 18:28	SWO	TAL BUF

Client Sample ID: PMW-4D-030216 — Lab Sample ID: 480-95954-17

Date Collected: 03/02/16 14:18 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 18:55	SWO	TAL BUF

Client Sample ID: AF-13P-030216 — Lab Sample ID: 480-95954-18

Date Collected: 03/02/16 14:50 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290774	03/12/16 00:28	NMD1	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-95954-1
SDG: 95954-1

Client Sample ID: AF-13S-030216 — Lab Sample ID: 480-95954-19

Date Collected: 03/02/16 14:55 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290774	03/12/16 00:55	NMD1	TAL BUF

Client Sample ID: AF-11S-030216 — Lab Sample ID: 480-95954-20

Date Collected: 03/02/16 15:10 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290774	03/12/16 01:22	NMD1	TAL BUF

Client Sample ID: AF-11D-030216 — Lab Sample ID: 480-95954-21

Date Collected: 03/02/16 15:15 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290640	03/11/16 19:23	SWO	TAL BUF

Client Sample ID: OSMW-6D-030216 — Lab Sample ID: 480-95954-22

Date Collected: 03/02/16 15:58 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		5	290774	03/12/16 01:49	NMD1	TAL BUF

Client Sample ID: DUP-01-030216 — Lab Sample ID: 480-95954-23

Date Collected: 03/02/16 12:00 — **Matrix: Water**
Date Received: 03/03/16 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	290994	03/15/16 01:06	LCH	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: 480-95954-1
SDG: 95954-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* 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: 480-95954-1
SDG: 95954-1

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: 480-95954-1
SDG: 95954-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-95954-1	Trip Blank	Water	03/02/16 00:00	03/03/16 07:40
480-95954-2	TMW-1P-030216	Water	03/02/16 09:24	03/03/16 07:40
480-95954-3	TMW-1S-030216	Water	03/02/16 09:27	03/03/16 07:40
480-95954-4	TMW-1D-030216	Water	03/02/16 09:30	03/03/16 07:40
480-95954-5	AF-6S-030216	Water	03/02/16 09:55	03/03/16 07:40
480-95954-6	AF-25P-030216	Water	03/02/16 11:27	03/03/16 07:40
480-95954-7	AF-19S-030216	Water	03/02/16 11:40	03/03/16 07:40
480-95954-8	AF-19D-030216	Water	03/02/16 11:45	03/03/16 07:40
480-95954-9	AF-9S-030216	Water	03/02/16 12:07	03/03/16 07:40
480-95954-10	TMW-2S-030216	Water	03/02/16 12:25	03/03/16 07:40
480-95954-11	TMW-2D-030216	Water	03/02/16 12:30	03/03/16 07:40
480-95954-12	AF-5P-030216	Water	03/02/16 12:53	03/03/16 07:40
480-95954-13	AF-5S-030216	Water	03/02/16 12:58	03/03/16 07:40
480-95954-14	PMW-2D-030216	Water	03/02/16 13:15	03/03/16 07:40
480-95954-15	AF-4P-030216	Water	03/02/16 13:33	03/03/16 07:40
480-95954-16	AF-4S-030216	Water	03/02/16 13:38	03/03/16 07:40
480-95954-17	PMW-4D-030216	Water	03/02/16 14:18	03/03/16 07:40
480-95954-18	AF-13P-030216	Water	03/02/16 14:50	03/03/16 07:40
480-95954-19	AF-13S-030216	Water	03/02/16 14:55	03/03/16 07:40
480-95954-20	AF-11S-030216	Water	03/02/16 15:10	03/03/16 07:40
480-95954-21	AF-11D-030216	Water	03/02/16 15:15	03/03/16 07:40
480-95954-22	OSMW-6D-030216	Water	03/02/16 15:58	03/03/16 07:40
480-95954-23	DUP-01-030216	Water	03/02/16 12:00	03/03/16 07:40

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tera Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-79683-19575.2
Client Contact: Chase Forman	Phone: 513-697-2020	E-Mail: orlette.johnson@testamericainc.com		Page: ~~Page 2 of 6~~ 1 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: standard			
City: Cincinnati	TAT Requested (days): 14 days			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11600088			
Email: chase.forman@obg.com	WO #: 62574 100.130			
Project Name: GE - Evendale, OH site	Project #: 48003453			
Site: Ohio	SSOW#:			

Analysis Requested

480-95954 Chain of Custody

J - DI Water
K - EDTA
L - EDA
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 - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
TRIP BLANK	3/2/16	—	—	Water			X	2	QC SAMPLE
TMW-1P-030216		924	G	Water			X	3	
TMW-1S-030216		927		Water			X	3	
TMW-1D-030216		930		Water			X	3	
AF-6S-030216		955		Water			X	3	
AF-25P-030216		1127		Water			X	3	
AF-19S-030216		1140		Water			X	3	
AF-19D-030216		1145		Water			X	3	
AF-9S-030216		1207		Water			X	3	
TMW-2S-030216		1225		Water			X	3	
TMW-2D-030216		1230		Water			X	3	

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 Requested

Empty Kit Relinquished by: —	Date: —	Time: —	Method of Shipment: —

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tera Dalton OBG	3/2/16 1720	OBG	FedEx# 7925 07545305	3/2/16 1720	carrier
				3/3/16 0740	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 2.4 BH

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-79683-19575.3
Client Contact: Chase Forman	Phone: 513-697-2020	E-Mail: orlette.johnson@testamericainc.com		Page: ~~Page 3 of 6~~ 2 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: standard			
City: Cincinnati	TAT Requested (days): 14 days			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11600088			
Email: chase.forman@obg.com	WO #: 62574 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 - Na2S2SO3, 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 - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
AF-5P-030216	3/2/16	1230 1253	G	Water			X	3	
AF-5S-030216		1253 1258		Water			X	3	
PMW-2D-030216		1258 1315		Water			X	3	
AF-4P-030216		1315 1333		Water			X	3	
AF-4S-030216		1333 1338		Water			X	3	
PMW-4D-030216		1338 1418		Water			X	3	
AF-13P-030216		1418 1450		Water			X	3	
AF-13S-030216		1450 1455		Water			X	3	
AF-11S-030216		1455 1510		Water			X	2	*very limited vol. available*
AF-11D-030216 (+MS/MSD)		(MS) 1510 1555		Water			X	9	*MS/MSD volume provided*
OSMW-6D-030216		1558		Water			X	3	

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. Requested

Empty Kit Relinquished by: —	Date: —	Time: —	Method of Shipment: —			
Relinquished by: [signature]	Date/Time: 3/2/16 1720	Company: OBG	Received by: FedEx # 782507545305	Date/Time: 3/2/16 1720	Company: carrier	
Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 3/3/16 0740	Company	
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: 7.4 #1

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: Tenia Dalton	Lab PM: Johnson, Orlette S	Carrier Tracking No(s):	COC No: 480-79683-19575.4
Client Contact: Chase Forman	Phone: 513-697-2020	E-Mail: orlette.johnson@testamericainc.com		Page: ~~Page 4 of 6~~ 3 of 3
Company: O'Brien & Gere Inc of North America				Job #:
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: Standard			
City: Cincinnati	TAT Requested (days): 14 days			
State, Zip: OH, 45249				
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11600088			
Email: chase.forman@obg.com	WO #: 62574 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 - Na2S2SO3, 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 - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
DUP-01-030216	3/2/16	1200	G	Water			X	3	
				Water					
				Water					
				Water					
				Water					
				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 3 Data Pkg requested

Empty Kit Relinquished by: —	Date: —	Time: —	Method of Shipment: —

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Tenia Dalton	3/2/16 1720	OBG	FedEx# 782597545305	3/2/16 1720	Carrier
				3/3/16 0740	

Custody Seals Intact: Δ Yes Δ No
Custody Seal No.:
Cooler Temperature(s) °C and Other Remarks: 24 #1

Login Sample Receipt Checklist

Client: O'Brien & Gere Inc of North America

Job Number: 480-95954-1
SDG Number: 95954-1

Login Number: 95954
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: 480-96101-1
Client Project/Site: GE - Evendale, OH Site

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:
3/16/2016 2:00:17 PM
Joe Giacomazza, Project Management Assistant II
joe.giacomazza@testamericainc.com

Designee for

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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: 480-96101-1

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: 480-96101-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96101-1

Receipt
The samples were received on 3/5/2016 9:00 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 following samples were diluted to bring the concentration of target analytes within the calibration range: OSMW-1S-030316 (480-96101-3), OSMW-9SR-030316 (480-96101-5), AF-7S-030316 (480-96101-9) and OSMW-11S 030316 (480-96101-14). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatile samples were analyzed with significant headspace in the sample vials: AF-7D-030316 (480-96101-10), AF-7D-030316 (480-96101-10[MS]), AF-7D-030316 (480-96101-10[MSD]) and DUP-01-030316 (480-96101-11). Significant headspace is defined as a bubble greater than 6 mm in diameter.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: OSMW-11D 030316 (480-96101-15). 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: 480-96101-1

Client Sample ID: OSMW-13P-030316 — Lab Sample ID: 480-96101-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.1		1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1P-030316 — Lab Sample ID: 480-96101-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.5		1.0	0.38	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-1S-030316 — Lab Sample ID: 480-96101-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	180		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride	290		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: OSMW-1D-030316 — Lab Sample ID: 480-96101-4

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	0.91	J	1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	8.6		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-9SR-030316 — Lab Sample ID: 480-96101-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.4		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	0.96	J	2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	56		2.0	1.6	ug/L	2		8260C	Total/NA
Vinyl chloride	97		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-4S-030316 — Lab Sample ID: 480-96101-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.8	J	10	1.3	ug/L	1		8260C	Total/NA
Acetone	23		10	3.0	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-4D-030316 — Lab Sample ID: 480-96101-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	0.86	J	1.0	0.38	ug/L	1		8260C	Total/NA
2-Butanone (MEK)	2.6	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	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Vinyl chloride	3.3		1.0	0.90	ug/L	1		8260C	Total/NA

Client Sample ID: AF-7P-030316 — Lab Sample ID: 480-96101-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	1.4		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: AF-7S-030316 — Lab Sample ID: 480-96101-9

This Detection Summary does not include radiochemical test results.

Detection Summary

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: AF-7S-030316 (Continued) — Lab Sample ID: 480-96101-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	7.3	J	10	3.8	ug/L	10		8260C	Total/NA
1,1-Dichloroethene	3.0	J	10	2.9	ug/L	10		8260C	Total/NA
cis-1,2-Dichloroethene	360		10	8.1	ug/L	10		8260C	Total/NA
Vinyl chloride	460		10	9.0	ug/L	10		8260C	Total/NA

Client Sample ID: AF-7D-030316 — Lab Sample ID: 480-96101-10

No Detections.

Client Sample ID: DUP-01-030316 — Lab Sample ID: 480-96101-11

No Detections.

Client Sample ID: OSMW-12P 030316 — Lab Sample ID: 480-96101-12

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	2.6		1.0	0.38	ug/L	1		8260C	Total/NA
Trichloroethene	3.3		1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11P 030316 — Lab Sample ID: 480-96101-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	2.2		1.0	0.38	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.1		1.0	0.81	ug/L	1		8260C	Total/NA
Trichloroethene	0.60	J	1.0	0.46	ug/L	1		8260C	Total/NA

Client Sample ID: OSMW-11S 030316 — Lab Sample ID: 480-96101-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	20		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	140		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	3.4		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	41		2.0	0.92	ug/L	2		8260C	Total/NA

Client Sample ID: OSMW-11D 030316 — Lab Sample ID: 480-96101-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethane	21		1.0	0.38	ug/L	1		8260C	Total/NA
1,1-Dichloroethene	2.3		1.0	0.29	ug/L	1		8260C	Total/NA
Chloroethane	1.0		1.0	0.32	ug/L	1		8260C	Total/NA
trans-1,2-Dichloroethene	3.1		1.0	0.90	ug/L	1		8260C	Total/NA
Trichloroethene	16		1.0	0.46	ug/L	1		8260C	Total/NA
Vinyl chloride	3.0		1.0	0.90	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene - DL	110		2.0	1.6	ug/L	2		8260C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 480-96101-16

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 - Evendale, OH Site

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-13P-030316

Date Collected: 03/03/16 10:30
Date Received: 03/05/16 09:00

Lab Sample ID: 480-96101-1

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			03/07/16 13:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 13:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 13:27	1
1,1-Dichloroethane	**2.1**		1.0	0.38	ug/L			03/07/16 13:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 13:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 13:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 13:27	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 13:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 13:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 13:27	1
Acetone	ND		10	3.0	ug/L			03/07/16 13:27	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 13:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 13:27	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 13:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 13:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 13:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 13:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 13:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 13:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 13:27	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 13:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 13:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 13:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 13:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 13:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 13:27	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 13:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 13:27	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 13:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 13:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 13:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 13:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 13:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*03/07/16 13:27*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*03/07/16 13:27*	*1*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/07/16 13:27*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*03/07/16 13:27*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-1P-030316

Lab Sample ID: 480-96101-2

Date Collected: 03/03/16 10:48
Matrix: Water
Date Received: 03/05/16 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			03/07/16 13:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 13:51	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 13:51	1
1,1-Dichloroethane	**2.5**		1.0	0.38	ug/L			03/07/16 13:51	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 13:51	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 13:51	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 13:51	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 13:51	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 13:51	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 13:51	1
Acetone	ND		10	3.0	ug/L			03/07/16 13:51	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 13:51	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 13:51	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 13:51	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 13:51	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 13:51	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 13:51	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 13:51	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 13:51	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 13:51	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 13:51	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 13:51	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 13:51	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 13:51	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 13:51	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 13:51	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 13:51	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 13:51	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 13:51	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 13:51	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 13:51	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 13:51	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 13:51	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*03/07/16 13:51*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/07/16 13:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/07/16 13:51*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 13:51*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-1S-030316

Lab Sample ID: 480-96101-3

Date Collected: 03/03/16 10:53
Matrix: Water
Date Received: 03/05/16 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		10	8.2	ug/L			03/07/16 14:15	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/07/16 14:15	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/07/16 14:15	10
1,1-Dichloroethane	ND		10	3.8	ug/L			03/07/16 14:15	10
1,1-Dichloroethene	ND		10	2.9	ug/L			03/07/16 14:15	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/07/16 14:15	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/07/16 14:15	10
2-Hexanone	ND		50	12	ug/L			03/07/16 14:15	10
2-Butanone (MEK)	ND		100	13	ug/L			03/07/16 14:15	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/07/16 14:15	10
Acetone	ND		100	30	ug/L			03/07/16 14:15	10
Benzene	ND		10	4.1	ug/L			03/07/16 14:15	10
Bromodichloromethane	ND		10	3.9	ug/L			03/07/16 14:15	10
Bromoform	ND		10	2.6	ug/L			03/07/16 14:15	10
Bromomethane	ND		10	6.9	ug/L			03/07/16 14:15	10
Carbon disulfide	ND		10	1.9	ug/L			03/07/16 14:15	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/07/16 14:15	10
Chlorobenzene	ND		10	7.5	ug/L			03/07/16 14:15	10
Dibromochloromethane	ND		10	3.2	ug/L			03/07/16 14:15	10
Chloroethane	ND		10	3.2	ug/L			03/07/16 14:15	10
Chloroform	ND		10	3.4	ug/L			03/07/16 14:15	10
Chloromethane	ND		10	3.5	ug/L			03/07/16 14:15	10
cis-1,2-Dichloroethene	**180**		10	8.1	ug/L			03/07/16 14:15	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/07/16 14:15	10
Ethylbenzene	ND		10	7.4	ug/L			03/07/16 14:15	10
Methylene Chloride	ND		10	4.4	ug/L			03/07/16 14:15	10
Styrene	ND		10	7.3	ug/L			03/07/16 14:15	10
Tetrachloroethene	ND		10	3.6	ug/L			03/07/16 14:15	10
Toluene	ND		10	5.1	ug/L			03/07/16 14:15	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/07/16 14:15	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/07/16 14:15	10
Trichloroethene	ND		10	4.6	ug/L			03/07/16 14:15	10
Vinyl chloride	**290**		10	9.0	ug/L			03/07/16 14:15	10
Xylenes, Total	ND		20	6.6	ug/L			03/07/16 14:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/07/16 14:15*	*10*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 14:15*	*10*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/07/16 14:15*	*10*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 14:15*	*10*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-1D-030316

Lab Sample ID: 480-96101-4

Date Collected: 03/03/16 11:01
Matrix: Water
Date Received: 03/05/16 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			03/07/16 14:38	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 14:38	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 14:38	1
1,1-Dichloroethane	**1.6**		1.0	0.38	ug/L			03/07/16 14:38	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 14:38	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 14:38	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 14:38	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 14:38	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 14:38	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 14:38	1
Acetone	ND		10	3.0	ug/L			03/07/16 14:38	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 14:38	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 14:38	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 14:38	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 14:38	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 14:38	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 14:38	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 14:38	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 14:38	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 14:38	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 14:38	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 14:38	1
cis-1,2-Dichloroethene	**0.91**	**J**	1.0	0.81	ug/L			03/07/16 14:38	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 14:38	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 14:38	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 14:38	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 14:38	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 14:38	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 14:38	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 14:38	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 14:38	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 14:38	1
Vinyl chloride	**8.6**		1.0	0.90	ug/L			03/07/16 14:38	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*66 - 137*		*03/07/16 14:38*	*1*
Toluene-d8 (Surr)	*97*		*71 - 126*		*03/07/16 14:38*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/07/16 14:38*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/07/16 14:38*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-9SR-030316

Lab Sample ID: 480-96101-5

Date Collected: 03/03/16 11:35
Matrix: Water
Date Received: 03/05/16 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		2.0	1.6	ug/L			03/07/16 15:03	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/07/16 15:03	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/07/16 15:03	2
1,1-Dichloroethane	**2.4**		2.0	0.76	ug/L			03/07/16 15:03	2
1,1-Dichloroethene	**0.96**	**J**	2.0	0.58	ug/L			03/07/16 15:03	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/07/16 15:03	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/07/16 15:03	2
2-Hexanone	ND		10	2.5	ug/L			03/07/16 15:03	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/07/16 15:03	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/07/16 15:03	2
Acetone	ND		20	6.0	ug/L			03/07/16 15:03	2
Benzene	ND		2.0	0.82	ug/L			03/07/16 15:03	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/07/16 15:03	2
Bromoform	ND		2.0	0.52	ug/L			03/07/16 15:03	2
Bromomethane	ND		2.0	1.4	ug/L			03/07/16 15:03	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/07/16 15:03	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/07/16 15:03	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/07/16 15:03	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/07/16 15:03	2
Chloroethane	ND		2.0	0.64	ug/L			03/07/16 15:03	2
Chloroform	ND		2.0	0.68	ug/L			03/07/16 15:03	2
Chloromethane	ND		2.0	0.70	ug/L			03/07/16 15:03	2
cis-1,2-Dichloroethene	**56**		2.0	1.6	ug/L			03/07/16 15:03	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/07/16 15:03	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/07/16 15:03	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/07/16 15:03	2
Styrene	ND		2.0	1.5	ug/L			03/07/16 15:03	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/07/16 15:03	2
Toluene	ND		2.0	1.0	ug/L			03/07/16 15:03	2
trans-1,2-Dichloroethene	ND		2.0	1.8	ug/L			03/07/16 15:03	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/07/16 15:03	2
Trichloroethene	ND		2.0	0.92	ug/L			03/07/16 15:03	2
Vinyl chloride	**97**		2.0	1.8	ug/L			03/07/16 15:03	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/07/16 15:03	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/07/16 15:03*	*2*
Toluene-d8 (Surr)	*101*		*71 - 126*		*03/07/16 15:03*	*2*
4-Bromofluorobenzene (Surr)	*97*		*73 - 120*		*03/07/16 15:03*	*2*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/07/16 15:03*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-4S-030316

Lab Sample ID: 480-96101-6

Date Collected: 03/03/16 11:58
Matrix: Water
Date Received: 03/05/16 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			03/07/16 15:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 15:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 15:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/16 15:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 15:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 15:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 15:27	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 15:27	1
2-Butanone (MEK)	**2.8**	**J**	10	1.3	ug/L			03/07/16 15:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 15:27	1
Acetone	**23**		10	3.0	ug/L			03/07/16 15:27	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 15:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 15:27	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 15:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 15:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 15:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 15:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 15:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 15:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 15:27	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 15:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 15:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 15:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 15:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 15:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 15:27	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 15:27	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 15:27	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 15:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 15:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 15:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 15:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 15:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*03/07/16 15:27*	*1*
Toluene-d8 (Surr)	*95*		*71 - 126*		*03/07/16 15:27*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/07/16 15:27*	*1*
Dibromofluoromethane (Surr)	*103*		*60 - 140*		*03/07/16 15:27*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-4D-030316

Lab Sample ID: 480-96101-7

Date Collected: 03/03/16 12:07
Matrix: Water
Date Received: 03/05/16 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			03/07/16 15:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 15:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 15:50	1
1,1-Dichloroethane	**0.86**	**J**	1.0	0.38	ug/L			03/07/16 15:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 15:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 15:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 15:50	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 15:50	1
2-Butanone (MEK)	**2.6**	**J**	10	1.3	ug/L			03/07/16 15:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 15:50	1
Acetone	**19**		10	3.0	ug/L			03/07/16 15:50	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 15:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 15:50	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 15:50	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 15:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 15:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 15:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 15:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 15:50	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 15:50	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 15:50	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 15:50	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			03/07/16 15:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 15:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 15:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 15:50	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 15:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 15:50	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 15:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 15:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 15:50	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 15:50	1
Vinyl chloride	**3.3**		1.0	0.90	ug/L			03/07/16 15:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 15:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/07/16 15:50*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/07/16 15:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/07/16 15:50*	*1*
Dibromofluoromethane (Surr)	*97*		*60 - 140*		*03/07/16 15:50*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: AF-7P-030316

Date Collected: 03/03/16 14:30
Date Received: 03/05/16 09:00

Lab Sample ID: 480-96101-8

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			03/07/16 16:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 16:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 16:14	1
1,1-Dichloroethane	**1.4**		1.0	0.38	ug/L			03/07/16 16:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 16:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 16:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 16:14	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 16:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 16:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 16:14	1
Acetone	ND		10	3.0	ug/L			03/07/16 16:14	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 16:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 16:14	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 16:14	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 16:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 16:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 16:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 16:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 16:14	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 16:14	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 16:14	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 16:14	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 16:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 16:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 16:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 16:14	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 16:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 16:14	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 16:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 16:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 16:14	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 16:14	1
Vinyl chloride	**1.7**		1.0	0.90	ug/L			03/07/16 16:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/07/16 16:14*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/07/16 16:14*	*1*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*		*03/07/16 16:14*	*1*
Dibromofluoromethane (Surr)	*106*		*60 - 140*		*03/07/16 16:14*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: AF-7S-030316

Date Collected: 03/03/16 14:25
Date Received: 03/05/16 09:00

Lab Sample ID: 480-96101-9

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	ND		10	8.2	ug/L			03/07/16 16:38	10
1,1,2,2-Tetrachloroethane	ND		10	2.1	ug/L			03/07/16 16:38	10
1,1,2-Trichloroethane	ND		10	2.3	ug/L			03/07/16 16:38	10
1,1-Dichloroethane	**7.3**	**J**	10	3.8	ug/L			03/07/16 16:38	10
1,1-Dichloroethene	**3.0**	**J**	10	2.9	ug/L			03/07/16 16:38	10
1,2-Dichloroethane	ND		10	2.1	ug/L			03/07/16 16:38	10
1,2-Dichloropropane	ND		10	7.2	ug/L			03/07/16 16:38	10
2-Hexanone	ND		50	12	ug/L			03/07/16 16:38	10
2-Butanone (MEK)	ND		100	13	ug/L			03/07/16 16:38	10
4-Methyl-2-pentanone (MIBK)	ND		50	21	ug/L			03/07/16 16:38	10
Acetone	ND		100	30	ug/L			03/07/16 16:38	10
Benzene	ND		10	4.1	ug/L			03/07/16 16:38	10
Bromodichloromethane	ND		10	3.9	ug/L			03/07/16 16:38	10
Bromoform	ND		10	2.6	ug/L			03/07/16 16:38	10
Bromomethane	ND		10	6.9	ug/L			03/07/16 16:38	10
Carbon disulfide	ND		10	1.9	ug/L			03/07/16 16:38	10
Carbon tetrachloride	ND		10	2.7	ug/L			03/07/16 16:38	10
Chlorobenzene	ND		10	7.5	ug/L			03/07/16 16:38	10
Dibromochloromethane	ND		10	3.2	ug/L			03/07/16 16:38	10
Chloroethane	ND		10	3.2	ug/L			03/07/16 16:38	10
Chloroform	ND		10	3.4	ug/L			03/07/16 16:38	10
Chloromethane	ND		10	3.5	ug/L			03/07/16 16:38	10
cis-1,2-Dichloroethene	**360**		10	8.1	ug/L			03/07/16 16:38	10
cis-1,3-Dichloropropene	ND		10	3.6	ug/L			03/07/16 16:38	10
Ethylbenzene	ND		10	7.4	ug/L			03/07/16 16:38	10
Methylene Chloride	ND		10	4.4	ug/L			03/07/16 16:38	10
Styrene	ND		10	7.3	ug/L			03/07/16 16:38	10
Tetrachloroethene	ND		10	3.6	ug/L			03/07/16 16:38	10
Toluene	ND		10	5.1	ug/L			03/07/16 16:38	10
trans-1,2-Dichloroethene	ND		10	9.0	ug/L			03/07/16 16:38	10
trans-1,3-Dichloropropene	ND		10	3.7	ug/L			03/07/16 16:38	10
Trichloroethene	ND		10	4.6	ug/L			03/07/16 16:38	10
Vinyl chloride	**460**		10	9.0	ug/L			03/07/16 16:38	10
Xylenes, Total	ND		20	6.6	ug/L			03/07/16 16:38	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/07/16 16:38*	*10*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 16:38*	*10*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*03/07/16 16:38*	*10*
Dibromofluoromethane (Surr)	*102*		*60 - 140*		*03/07/16 16:38*	*10*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: AF-7D-030316

Date Collected: 03/03/16 14:15
Date Received: 03/05/16 09:00

Lab Sample ID: 480-96101-10

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			03/07/16 17:02	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 17:02	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 17:02	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/16 17:02	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 17:02	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 17:02	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 17:02	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 17:02	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 17:02	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 17:02	1
Acetone	ND		10	3.0	ug/L			03/07/16 17:02	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 17:02	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 17:02	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 17:02	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 17:02	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 17:02	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 17:02	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 17:02	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 17:02	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 17:02	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 17:02	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 17:02	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 17:02	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 17:02	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 17:02	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 17:02	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 17:02	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 17:02	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 17:02	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 17:02	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 17:02	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 17:02	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 17:02	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*03/07/16 17:02*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 17:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/07/16 17:02*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 17:02*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: DUP-01-030316

Lab Sample ID: 480-96101-11

Date Collected: 03/03/16 12:00
Matrix: Water
Date Received: 03/05/16 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			03/07/16 17:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 17:26	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 17:26	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/16 17:26	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 17:26	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 17:26	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 17:26	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 17:26	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 17:26	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 17:26	1
Acetone	ND		10	3.0	ug/L			03/07/16 17:26	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 17:26	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 17:26	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 17:26	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 17:26	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 17:26	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 17:26	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 17:26	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 17:26	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 17:26	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 17:26	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 17:26	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 17:26	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 17:26	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 17:26	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 17:26	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 17:26	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 17:26	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 17:26	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 17:26	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 17:26	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 17:26	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 17:26	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/07/16 17:26*	*1*
Toluene-d8 (Surr)	*99*		*71 - 126*		*03/07/16 17:26*	*1*
4-Bromofluorobenzene (Surr)	*93*		*73 - 120*		*03/07/16 17:26*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 17:26*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-12P 030316

Lab Sample ID: 480-96101-12

Date Collected: 03/03/16 09:30
Matrix: Water
Date Received: 03/05/16 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	**2.7**		1.0	0.82	ug/L			03/07/16 17:50	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 17:50	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 17:50	1
1,1-Dichloroethane	**2.6**		1.0	0.38	ug/L			03/07/16 17:50	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 17:50	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 17:50	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 17:50	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 17:50	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 17:50	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 17:50	1
Acetone	ND		10	3.0	ug/L			03/07/16 17:50	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 17:50	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 17:50	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 17:50	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 17:50	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 17:50	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 17:50	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 17:50	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 17:50	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 17:50	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 17:50	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 17:50	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 17:50	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 17:50	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 17:50	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 17:50	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 17:50	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 17:50	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 17:50	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 17:50	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 17:50	1
Trichloroethene	**3.3**		1.0	0.46	ug/L			03/07/16 17:50	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 17:50	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 17:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*03/07/16 17:50*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/07/16 17:50*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/07/16 17:50*	*1*
Dibromofluoromethane (Surr)	*101*		*60 - 140*		*03/07/16 17:50*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-11P 030316

Lab Sample ID: 480-96101-13

Date Collected: 03/03/16 09:45
Matrix: Water
Date Received: 03/05/16 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			03/07/16 18:14	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 18:14	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 18:14	1
1,1-Dichloroethane	**2.2**		1.0	0.38	ug/L			03/07/16 18:14	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 18:14	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 18:14	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 18:14	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 18:14	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 18:14	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 18:14	1
Acetone	ND		10	3.0	ug/L			03/07/16 18:14	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 18:14	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 18:14	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 18:14	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 18:14	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 18:14	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 18:14	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 18:14	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 18:14	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 18:14	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 18:14	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 18:14	1
cis-1,2-Dichloroethene	**1.1**		1.0	0.81	ug/L			03/07/16 18:14	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 18:14	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 18:14	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 18:14	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 18:14	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 18:14	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 18:14	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 18:14	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 18:14	1
Trichloroethene	**0.60**	**J**	1.0	0.46	ug/L			03/07/16 18:14	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 18:14	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*66 - 137*		*03/07/16 18:14*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 18:14*	*1*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*		*03/07/16 18:14*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 18:14*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-11S 030316

Lab Sample ID: 480-96101-14

Date Collected: 03/03/16 09:55
Matrix: Water
Date Received: 03/05/16 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		2.0	1.6	ug/L			03/07/16 18:38	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/07/16 18:38	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/07/16 18:38	2
1,1-Dichloroethane	**20**		2.0	0.76	ug/L			03/07/16 18:38	2
1,1-Dichloroethene	**2.2**		2.0	0.58	ug/L			03/07/16 18:38	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/07/16 18:38	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/07/16 18:38	2
2-Hexanone	ND		10	2.5	ug/L			03/07/16 18:38	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/07/16 18:38	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/07/16 18:38	2
Acetone	ND		20	6.0	ug/L			03/07/16 18:38	2
Benzene	ND		2.0	0.82	ug/L			03/07/16 18:38	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/07/16 18:38	2
Bromoform	ND		2.0	0.52	ug/L			03/07/16 18:38	2
Bromomethane	ND		2.0	1.4	ug/L			03/07/16 18:38	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/07/16 18:38	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/07/16 18:38	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/07/16 18:38	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/07/16 18:38	2
Chloroethane	ND		2.0	0.64	ug/L			03/07/16 18:38	2
Chloroform	ND		2.0	0.68	ug/L			03/07/16 18:38	2
Chloromethane	ND		2.0	0.70	ug/L			03/07/16 18:38	2
cis-1,2-Dichloroethene	**140**		2.0	1.6	ug/L			03/07/16 18:38	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/07/16 18:38	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/07/16 18:38	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/07/16 18:38	2
Styrene	ND		2.0	1.5	ug/L			03/07/16 18:38	2
Tetrachloroethene	ND		2.0	0.72	ug/L			03/07/16 18:38	2
Toluene	ND		2.0	1.0	ug/L			03/07/16 18:38	2
trans-1,2-Dichloroethene	**3.4**		2.0	1.8	ug/L			03/07/16 18:38	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/07/16 18:38	2
Trichloroethene	**41**		2.0	0.92	ug/L			03/07/16 18:38	2
Vinyl chloride	ND		2.0	1.8	ug/L			03/07/16 18:38	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/07/16 18:38	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*03/07/16 18:38*	*2*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 18:38*	*2*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/07/16 18:38*	*2*
Dibromofluoromethane (Surr)	*96*		*60 - 140*		*03/07/16 18:38*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-11D 030316

Lab Sample ID: 480-96101-15

Date Collected: 03/03/16 10:01
Matrix: Water
Date Received: 03/05/16 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			03/07/16 19:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 19:01	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 19:01	1
1,1-Dichloroethane	**21**		1.0	0.38	ug/L			03/07/16 19:01	1
1,1-Dichloroethene	**2.3**		1.0	0.29	ug/L			03/07/16 19:01	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 19:01	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 19:01	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 19:01	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 19:01	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 19:01	1
Acetone	ND		10	3.0	ug/L			03/07/16 19:01	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 19:01	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 19:01	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 19:01	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 19:01	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 19:01	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 19:01	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 19:01	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 19:01	1
Chloroethane	**1.0**		1.0	0.32	ug/L			03/07/16 19:01	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 19:01	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 19:01	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 19:01	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 19:01	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 19:01	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 19:01	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 19:01	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 19:01	1
trans-1,2-Dichloroethene	**3.1**		1.0	0.90	ug/L			03/07/16 19:01	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 19:01	1
Trichloroethene	**16**		1.0	0.46	ug/L			03/07/16 19:01	1
Vinyl chloride	**3.0**		1.0	0.90	ug/L			03/07/16 19:01	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*66 - 137*		*03/07/16 19:01*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 19:01*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/07/16 19:01*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 19:01*	*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	**110**		2.0	1.6	ug/L			03/08/16 06:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*		*03/08/16 06:01*	*2*
Toluene-d8 (Surr)	*96*		*71 - 126*		*03/08/16 06:01*	*2*
4-Bromofluorobenzene (Surr)	*92*		*73 - 120*		*03/08/16 06:01*	*2*
Dibromofluoromethane (Surr)	*99*		*60 - 140*		*03/08/16 06:01*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-96101-16

Date Collected: 03/03/16 00:00
Matrix: Water
Date Received: 03/05/16 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			03/07/16 19:25	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 19:25	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 19:25	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/16 19:25	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 19:25	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 19:25	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 19:25	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 19:25	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 19:25	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 19:25	1
Acetone	ND		10	3.0	ug/L			03/07/16 19:25	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 19:25	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 19:25	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 19:25	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 19:25	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 19:25	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 19:25	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 19:25	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 19:25	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 19:25	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 19:25	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 19:25	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 19:25	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 19:25	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 19:25	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 19:25	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 19:25	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 19:25	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 19:25	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 19:25	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 19:25	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 19:25	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 19:25	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 19:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*		*03/07/16 19:25*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 19:25*	*1*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*03/07/16 19:25*	*1*
Dibromofluoromethane (Surr)	*100*		*60 - 140*		*03/07/16 19:25*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-96101-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-96101-8	AF-7P-030316	101	100	95	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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		12DCE	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(66-137)	(71-126)	(73-120)	(60-140)
480-96101-1	OSMW-13P-030316	96	99	97	97
480-96101-2	OSMW-1P-030316	100	100	96	100
480-96101-3	OSMW-1S-030316	101	98	97	100
480-96101-4	OSMW-1D-030316	98	97	95	98
480-96101-5	OSMW-9SR-030316	101	101	97	103
480-96101-6	OSMW-4S-030316	103	95	95	103
480-96101-7	OSMW-4D-030316	101	100	96	97
480-96101-9	AF-7S-030316	102	98	93	102
480-96101-10	AF-7D-030316	103	98	98	100
480-96101-10 MS	AF-7D-030316	100	99	98	101
480-96101-10 MSD	AF-7D-030316	103	96	96	98
480-96101-11	DUP-01-030316	105	99	93	100
480-96101-12	OSMW-12P 030316	100	100	98	101
480-96101-13	OSMW-11P 030316	101	98	96	100
480-96101-14	OSMW-11S 030316	96	98	94	96
480-96101-15	OSMW-11D 030316	102	98	98	100
480-96101-15 - DL	OSMW-11D 030316	103	96	92	99
480-96101-16	Trip Blank	100	98	94	100
LCS 480-289902/6	Lab Control Sample	96	97	95	100
LCS 480-289985/4	Lab Control Sample	100	99	100	100
MB 480-289902/8	Method Blank	96	100	99	98
MB 480-289985/6	Method Blank	96	98	98	94

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 480-289902/8
Matrix: Water
Analysis Batch: 289902

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			03/07/16 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 11:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/16 11:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 11:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 11:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 11:57	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 11:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/07/16 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 11:57	1
Acetone	ND		10	3.0	ug/L			03/07/16 11:57	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 11:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 11:57	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 11:57	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 11:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 11:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 11:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 11:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 11:57	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 11:57	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 11:57	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 11:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 11:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 11:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 11:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 11:57	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 11:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 11:57	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 11:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 11:57	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 11:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 11:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 11:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*03/07/16 11:57*	*1*
Toluene-d8 (Surr)	*100*		*71 - 126*		*03/07/16 11:57*	*1*
4-Bromofluorobenzene (Surr)	*99*		*73 - 120*		*03/07/16 11:57*	*1*
Dibromofluoromethane (Surr)	*98*		*60 - 140*		*03/07/16 11:57*	*1*

Lab Sample ID: LCS 480-289902/6
Matrix: Water
Analysis Batch: 289902

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	23.6		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.5		ug/L		94	70 - 126

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

Lab Sample ID: LCS 480-289902/6
Matrix: Water
Analysis Batch: 289902

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	24.5		ug/L		98	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	23.7		ug/L		95	58 - 121
1,2-Dichloroethane	25.0	23.0		ug/L		92	75 - 127
1,2-Dichloropropane	25.0	25.0		ug/L		100	76 - 120
2-Hexanone	125	126		ug/L		100	65 - 127
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	111		ug/L		89	56 - 142
Benzene	25.0	23.2		ug/L		93	71 - 124
Bromodichloromethane	25.0	24.5		ug/L		98	80 - 122
Bromoform	25.0	24.2		ug/L		97	52 - 132
Bromomethane	25.0	25.6		ug/L		102	55 - 144
Carbon disulfide	25.0	23.2		ug/L		93	59 - 134
Carbon tetrachloride	25.0	24.1		ug/L		96	72 - 134
Chlorobenzene	25.0	23.6		ug/L		94	72 - 120
Dibromochloromethane	25.0	24.5		ug/L		98	75 - 125
Chloroethane	25.0	25.1		ug/L		101	69 - 136
Chloroform	25.0	22.4		ug/L		90	73 - 127
Chloromethane	25.0	23.6		ug/L		94	68 - 124
cis-1,2-Dichloroethene	25.0	23.6		ug/L		95	74 - 124
cis-1,3-Dichloropropene	25.0	24.8		ug/L		99	74 - 124
Ethylbenzene	25.0	23.9		ug/L		96	77 - 123
Methylene Chloride	25.0	24.1		ug/L		97	57 - 132
Styrene	25.0	24.4		ug/L		97	70 - 130
Tetrachloroethene	25.0	23.7		ug/L		95	74 - 122
Toluene	25.0	23.7		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	23.6		ug/L		95	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	72 - 123
Trichloroethene	25.0	23.3		ug/L		93	74 - 123
Vinyl chloride	25.0	25.4		ug/L		101	65 - 133
Xylenes, Total	50.0	46.8		ug/L		94	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*
Toluene-d8 (Surr)	*97*		*71 - 126*
4-Bromofluorobenzene (Surr)	*95*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

Lab Sample ID: 480-96101-10 MS
Matrix: Water
Analysis Batch: 289902

Client Sample ID: AF-7D-030316
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	28.6		ug/L		114	73 - 126
1,1,2,2-Tetrachloroethane	ND		25.0	29.6		ug/L		118	70 - 126
1,1,2-Trichloroethane	ND		25.0	28.5		ug/L		114	76 - 122
1,1-Dichloroethane	ND		25.0	29.7		ug/L		119	71 - 129

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

Lab Sample ID: 480-96101-10 MS
Matrix: Water
Analysis Batch: 289902

Client Sample ID: AF-7D-030316
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	29.5		ug/L		118	58 - 121
1,2-Dichloroethane	ND		25.0	27.2		ug/L		109	75 - 127
1,2-Dichloropropane	ND		25.0	29.1		ug/L		116	76 - 120
2-Hexanone	ND		125	146		ug/L		117	65 - 127
2-Butanone (MEK)	ND		125	130		ug/L		104	57 - 140
4-Methyl-2-pentanone (MIBK)	ND		125	141		ug/L		113	71 - 125
Acetone	ND		125	119		ug/L		95	56 - 142
Benzene	ND		25.0	27.4		ug/L		110	71 - 124
Bromodichloromethane	ND		25.0	28.3		ug/L		113	80 - 122
Bromoform	ND		25.0	28.6		ug/L		114	52 - 132
Bromomethane	ND		25.0	28.1		ug/L		113	55 - 144
Carbon disulfide	ND		25.0	26.0		ug/L		104	59 - 134
Carbon tetrachloride	ND		25.0	28.4		ug/L		113	72 - 134
Chlorobenzene	ND		25.0	28.7		ug/L		115	72 - 120
Dibromochloromethane	ND		25.0	28.0		ug/L		112	75 - 125
Chloroethane	ND		25.0	29.0		ug/L		116	69 - 136
Chloroform	ND		25.0	26.9		ug/L		108	73 - 127
Chloromethane	ND		25.0	26.3		ug/L		105	68 - 124
cis-1,2-Dichloroethene	ND		25.0	27.5		ug/L		110	74 - 124
cis-1,3-Dichloropropene	ND		25.0	27.6		ug/L		111	74 - 124
Ethylbenzene	ND		25.0	29.2		ug/L		117	77 - 123
Methylene Chloride	ND		25.0	27.7		ug/L		111	57 - 132
Styrene	ND		25.0	29.7		ug/L		119	70 - 130
Tetrachloroethene	ND		25.0	28.7		ug/L		115	74 - 122
Toluene	ND		25.0	29.0		ug/L		116	80 - 122
trans-1,2-Dichloroethene	ND		25.0	27.8		ug/L		111	73 - 127
trans-1,3-Dichloropropene	ND		25.0	28.3		ug/L		113	72 - 123
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123
Vinyl chloride	ND		25.0	28.2		ug/L		113	65 - 133
Xylenes, Total	ND		50.0	56.7		ug/L		113	76 - 122

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*
Dibromofluoromethane (Surr)	*101*		*60 - 140*

Lab Sample ID: 480-96101-10 MSD
Matrix: Water
Analysis Batch: 289902

Client Sample ID: AF-7D-030316
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	29.3		ug/L		117	73 - 126	3	15
1,1,2,2-Tetrachloroethane	ND		25.0	28.6		ug/L		114	70 - 126	3	15
1,1,2-Trichloroethane	ND		25.0	27.3		ug/L		109	76 - 122	4	15
1,1-Dichloroethane	ND		25.0	30.1		ug/L		121	71 - 129	2	20
1,1-Dichloroethene	ND		25.0	28.8		ug/L		115	58 - 121	2	16
1,2-Dichloroethane	ND		25.0	27.3		ug/L		109	75 - 127	0	20

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

Lab Sample ID: 480-96101-10 MSD
Matrix: Water
Analysis Batch: 289902

Client Sample ID: AF-7D-030316
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	30.0		ug/L		120	76 - 120	3	20
2-Hexanone	ND		125	145		ug/L		116	65 - 127	0	15
2-Butanone (MEK)	ND		125	133		ug/L		106	57 - 140	2	20
4-Methyl-2-pentanone (MIBK)	ND		125	141		ug/L		113	71 - 125	0	35
Acetone	ND		125	125		ug/L		100	56 - 142	5	15
Benzene	ND		25.0	28.2		ug/L		113	71 - 124	3	13
Bromodichloromethane	ND		25.0	28.9		ug/L		115	80 - 122	2	15
Bromoform	ND		25.0	27.6		ug/L		110	52 - 132	3	15
Bromomethane	ND		25.0	26.4		ug/L		106	55 - 144	6	15
Carbon disulfide	ND		25.0	27.2		ug/L		109	59 - 134	4	15
Carbon tetrachloride	ND		25.0	29.0		ug/L		116	72 - 134	2	15
Chlorobenzene	ND		25.0	28.4		ug/L		114	72 - 120	1	25
Dibromochloromethane	ND		25.0	28.0		ug/L		112	75 - 125	0	15
Chloroethane	ND		25.0	27.8		ug/L		111	69 - 136	4	15
Chloroform	ND		25.0	27.1		ug/L		108	73 - 127	1	20
Chloromethane	ND		25.0	26.9		ug/L		108	68 - 124	2	15
cis-1,2-Dichloroethene	ND		25.0	27.8		ug/L		111	74 - 124	1	15
cis-1,3-Dichloropropene	ND		25.0	27.7		ug/L		111	74 - 124	0	15
Ethylbenzene	ND		25.0	28.9		ug/L		116	77 - 123	1	15
Methylene Chloride	ND		25.0	29.2		ug/L		117	57 - 132	5	15
Styrene	ND		25.0	29.1		ug/L		116	70 - 130	2	20
Tetrachloroethene	ND		25.0	28.1		ug/L		113	74 - 122	2	20
Toluene	ND		25.0	28.3		ug/L		113	80 - 122	2	15
trans-1,2-Dichloroethene	ND		25.0	28.7		ug/L		115	73 - 127	3	20
trans-1,3-Dichloropropene	ND		25.0	27.9		ug/L		112	72 - 123	1	15
Trichloroethene	ND		25.0	27.3		ug/L		109	74 - 123	0	16
Vinyl chloride	ND		25.0	29.6		ug/L		118	65 - 133	5	15
Xylenes, Total	ND		50.0	56.2		ug/L		112	76 - 122	1	16

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*66 - 137*
Toluene-d8 (Surr)	*96*		*71 - 126*
4-Bromofluorobenzene (Surr)	*96*		*73 - 120*
Dibromofluoromethane (Surr)	*98*		*60 - 140*

Lab Sample ID: MB 480-289985/6
Matrix: Water
Analysis Batch: 289985

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			03/07/16 22:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/07/16 22:43	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/07/16 22:43	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/07/16 22:43	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/07/16 22:43	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/07/16 22:43	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/07/16 22:43	1
2-Hexanone	ND		5.0	1.2	ug/L			03/07/16 22:43	1

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

Lab Sample ID: MB 480-289985/6
Matrix: Water
Analysis Batch: 289985

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			03/07/16 22:43	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/07/16 22:43	1
Acetone	ND		10	3.0	ug/L			03/07/16 22:43	1
Benzene	ND		1.0	0.41	ug/L			03/07/16 22:43	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/07/16 22:43	1
Bromoform	ND		1.0	0.26	ug/L			03/07/16 22:43	1
Bromomethane	ND		1.0	0.69	ug/L			03/07/16 22:43	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/07/16 22:43	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/07/16 22:43	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/07/16 22:43	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/07/16 22:43	1
Chloroethane	ND		1.0	0.32	ug/L			03/07/16 22:43	1
Chloroform	ND		1.0	0.34	ug/L			03/07/16 22:43	1
Chloromethane	ND		1.0	0.35	ug/L			03/07/16 22:43	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/07/16 22:43	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/07/16 22:43	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/07/16 22:43	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/07/16 22:43	1
Styrene	ND		1.0	0.73	ug/L			03/07/16 22:43	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/07/16 22:43	1
Toluene	ND		1.0	0.51	ug/L			03/07/16 22:43	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/07/16 22:43	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/07/16 22:43	1
Trichloroethene	ND		1.0	0.46	ug/L			03/07/16 22:43	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/07/16 22:43	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/07/16 22:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*66 - 137*		*03/07/16 22:43*	*1*
Toluene-d8 (Surr)	*98*		*71 - 126*		*03/07/16 22:43*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*03/07/16 22:43*	*1*
Dibromofluoromethane (Surr)	*94*		*60 - 140*		*03/07/16 22:43*	*1*

Lab Sample ID: LCS 480-289985/4
Matrix: Water
Analysis Batch: 289985

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	23.4		ug/L		94	73 - 126
1,1,2,2-Tetrachloroethane	25.0	25.7		ug/L		103	70 - 126
1,1,2-Trichloroethane	25.0	25.2		ug/L		101	76 - 122
1,1-Dichloroethane	25.0	24.5		ug/L		98	71 - 129
1,1-Dichloroethene	25.0	23.3		ug/L		93	58 - 121
1,2-Dichloroethane	25.0	23.6		ug/L		94	75 - 127
1,2-Dichloropropane	25.0	24.6		ug/L		98	76 - 120
2-Hexanone	125	134		ug/L		107	65 - 127
2-Butanone (MEK)	125	121		ug/L		97	57 - 140
4-Methyl-2-pentanone (MIBK)	125	125		ug/L		100	71 - 125

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

Lab Sample ID: LCS 480-289985/4
Matrix: Water
Analysis Batch: 289985

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	125	122		ug/L		97	56 - 142
Benzene	25.0	23.0		ug/L		92	71 - 124
Bromodichloromethane	25.0	24.2		ug/L		97	80 - 122
Bromoform	25.0	25.1		ug/L		100	52 - 132
Bromomethane	25.0	20.4		ug/L		82	55 - 144
Carbon disulfide	25.0	22.4		ug/L		90	59 - 134
Carbon tetrachloride	25.0	23.1		ug/L		93	72 - 134
Chlorobenzene	25.0	24.1		ug/L		96	72 - 120
Dibromochloromethane	25.0	24.1		ug/L		96	75 - 125
Chloroethane	25.0	20.7		ug/L		83	69 - 136
Chloroform	25.0	22.7		ug/L		91	73 - 127
Chloromethane	25.0	19.8		ug/L		79	68 - 124
cis-1,2-Dichloroethene	25.0	22.7		ug/L		91	74 - 124
cis-1,3-Dichloropropene	25.0	24.0		ug/L		96	74 - 124
Ethylbenzene	25.0	24.0		ug/L		96	77 - 123
Methylene Chloride	25.0	24.4		ug/L		98	57 - 132
Styrene	25.0	25.2		ug/L		101	70 - 130
Tetrachloroethene	25.0	24.0		ug/L		96	74 - 122
Toluene	25.0	23.8		ug/L		95	80 - 122
trans-1,2-Dichloroethene	25.0	22.8		ug/L		91	73 - 127
trans-1,3-Dichloropropene	25.0	26.1		ug/L		104	72 - 123
Trichloroethene	25.0	22.7		ug/L		91	74 - 123
Vinyl chloride	25.0	21.3		ug/L		85	65 - 133
Xylenes, Total	50.0	48.0		ug/L		96	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*66 - 137*
Toluene-d8 (Surr)	*99*		*71 - 126*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*
Dibromofluoromethane (Surr)	*100*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-96101-1

GC/MS VOA

Analysis Batch: 289902

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96101-1	OSMW-13P-030316	Total/NA	Water	8260C	
480-96101-2	OSMW-1P-030316	Total/NA	Water	8260C	
480-96101-3	OSMW-1S-030316	Total/NA	Water	8260C	
480-96101-4	OSMW-1D-030316	Total/NA	Water	8260C	
480-96101-5	OSMW-9SR-030316	Total/NA	Water	8260C	
480-96101-6	OSMW-4S-030316	Total/NA	Water	8260C	
480-96101-7	OSMW-4D-030316	Total/NA	Water	8260C	
480-96101-8	AF-7P-030316	Total/NA	Ground Water	8260C	
480-96101-9	AF-7S-030316	Total/NA	Water	8260C	
480-96101-10	AF-7D-030316	Total/NA	Water	8260C	
480-96101-10 MS	AF-7D-030316	Total/NA	Water	8260C	
480-96101-10 MSD	AF-7D-030316	Total/NA	Water	8260C	
480-96101-11	DUP-01-030316	Total/NA	Water	8260C	
480-96101-12	OSMW-12P 030316	Total/NA	Water	8260C	
480-96101-13	OSMW-11P 030316	Total/NA	Water	8260C	
480-96101-14	OSMW-11S 030316	Total/NA	Water	8260C	
480-96101-15	OSMW-11D 030316	Total/NA	Water	8260C	
480-96101-16	Trip Blank	Total/NA	Water	8260C	
LCS 480-289902/6	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289902/8	Method Blank	Total/NA	Water	8260C	

Analysis Batch: 289985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96101-15 - DL	OSMW-11D 030316	Total/NA	Water	8260C	
LCS 480-289985/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-289985/6	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-13P-030316 — Lab Sample ID: 480-96101-1

Date Collected: 03/03/16 10:30 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 13:27	SWO	TAL BUF

Client Sample ID: OSMW-1P-030316 — Lab Sample ID: 480-96101-2

Date Collected: 03/03/16 10:48 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 13:51	SWO	TAL BUF

Client Sample ID: OSMW-1S-030316 — Lab Sample ID: 480-96101-3

Date Collected: 03/03/16 10:53 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	289902	03/07/16 14:15	SWO	TAL BUF

Client Sample ID: OSMW-1D-030316 — Lab Sample ID: 480-96101-4

Date Collected: 03/03/16 11:01 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 14:38	SWO	TAL BUF

Client Sample ID: OSMW-9SR-030316 — Lab Sample ID: 480-96101-5

Date Collected: 03/03/16 11:35 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	289902	03/07/16 15:03	SWO	TAL BUF

Client Sample ID: OSMW-4S-030316 — Lab Sample ID: 480-96101-6

Date Collected: 03/03/16 11:58 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 15:27	SWO	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-4D-030316 — Lab Sample ID: 480-96101-7

Date Collected: 03/03/16 12:07 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 15:50	SWO	TAL BUF

Client Sample ID: AF-7P-030316 — Lab Sample ID: 480-96101-8

Date Collected: 03/03/16 14:30 — **Matrix: Ground Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 16:14	SWO	TAL BUF

Client Sample ID: AF-7S-030316 — Lab Sample ID: 480-96101-9

Date Collected: 03/03/16 14:25 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		10	289902	03/07/16 16:38	SWO	TAL BUF

Client Sample ID: AF-7D-030316 — Lab Sample ID: 480-96101-10

Date Collected: 03/03/16 14:15 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 17:02	SWO	TAL BUF

Client Sample ID: DUP-01-030316 — Lab Sample ID: 480-96101-11

Date Collected: 03/03/16 12:00 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 17:26	SWO	TAL BUF

Client Sample ID: OSMW-12P 030316 — Lab Sample ID: 480-96101-12

Date Collected: 03/03/16 09:30 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 17:50	SWO	TAL BUF

Lab Chronicle

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

TestAmerica Job ID: 480-96101-1

Client Sample ID: OSMW-11P 030316 — Lab Sample ID: 480-96101-13

Date Collected: 03/03/16 09:45 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 18:14	SWO	TAL BUF

Client Sample ID: OSMW-11S 030316 — Lab Sample ID: 480-96101-14

Date Collected: 03/03/16 09:55 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	289902	03/07/16 18:38	SWO	TAL BUF

Client Sample ID: OSMW-11D 030316 — Lab Sample ID: 480-96101-15

Date Collected: 03/03/16 10:01 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 19:01	SWO	TAL BUF
Total/NA	Analysis	8260C	DL	2	289985	03/08/16 06:01	GTG	TAL BUF

Client Sample ID: Trip Blank — Lab Sample ID: 480-96101-16

Date Collected: 03/03/16 00:00 — **Matrix: Water**
Date Received: 03/05/16 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	289902	03/07/16 19:25	SWO	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: 480-96101-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* 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: 480-96101-1

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: 480-96101-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96101-1	OSMW-13P-030316	Water	03/03/16 10:30	03/05/16 09:00
480-96101-2	OSMW-1P-030316	Water	03/03/16 10:48	03/05/16 09:00
480-96101-3	OSMW-1S-030316	Water	03/03/16 10:53	03/05/16 09:00
480-96101-4	OSMW-1D-030316	Water	03/03/16 11:01	03/05/16 09:00
480-96101-5	OSMW-9SR-030316	Water	03/03/16 11:35	03/05/16 09:00
480-96101-6	OSMW-4S-030316	Water	03/03/16 11:58	03/05/16 09:00
480-96101-7	OSMW-4D-030316	Water	03/03/16 12:07	03/05/16 09:00
480-96101-8	AF-7P-030316	Ground Water	03/03/16 14:30	03/05/16 09:00
480-96101-9	AF-7S-030316	Water	03/03/16 14:25	03/05/16 09:00
480-96101-10	AF-7D-030316	Water	03/03/16 14:15	03/05/16 09:00
480-96101-11	DUP-01-030316	Water	03/03/16 12:00	03/05/16 09:00
480-96101-12	OSMW-12P 030316	Water	03/03/16 09:30	03/05/16 09:00
480-96101-13	OSMW-11P 030316	Water	03/03/16 09:45	03/05/16 09:00
480-96101-14	OSMW-11S 030316	Water	03/03/16 09:55	03/05/16 09:00
480-96101-15	OSMW-11D 030316	Water	03/03/16 10:01	03/05/16 09:00
480-96101-16	Trip Blank	Water	03/03/16 00:00	03/05/16 09:00

Ref:
Dep:
Date: 03Mar16
Wgt: 31.00 LBS
DV: 0.00
SHIPPING: 0.00
SPECIAL: 0.00
HANDLING: 0.00
TOTAL: 0.00
Svcs: STANDARD OVERNIGHT
TRCK: 7003 1338 0551

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

480-96101 Chain of Custody

Client Information	Sampler: Terra Dalton	Lab PM: Johnson, Orlette S	COC No: 3-19575.5
Client Contact: Chase Forman	Phone: 513-697-2020	E-Mail: orlette.johnson@testamerica	1 of 2
Company: O'Brien & Gere Inc of North America			
Address: 8805 Governor's Hill Dr. Ste. 164	Due Date Requested: Standard		
City: Cincinnati	TAT Requested (days): 14 days		
State, Zip: OH, 45249			
Phone: 513-697-2035(Tel) 513-697-2040(Fax)	PO #: 11600088		
Email: chase.forman@obg.com	WO #: 62574 100.130		
Project Name: GE - Evendale, OH site	Project #: 48003453		
Site: Ohio	SSOW#:		

Preservation Codes:
M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2S2SO3
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - ph 4-5
Z - other (specify)
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
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 - TCL list OLM04.2	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
OSMW-13P-030316	3/3/16	1030	G	Water	N		X	3	
OSMW-1P-030316		1048		Water			X	3	
OSMW-1S-030316		1053		Water			X	3	
OSMW-1D-030316		1101		Water			X	3	
OSMW-9SR-030316		1135		Water			X	3	
OSMW-4S-030316		FD ~~1140~~	1158	Water			X	3	
OSMW-4D-030316		~~1158~~	1207	Water			X	3	
AF-7P-030316		~~1209~~	1430	Water			X	3	
AF-7S-030316		1425		Water			X	3	
AF-7D-030316		1415		Water		Y	X	9	*MS/MSD Volume provided*
TRIP BLANK			QC	Water	V		X	2	

Cincinnati
210501

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 IV Data Pkg Requested

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Terra Dalton	3/3/16 1520	OBG		3/3/16 1520	TA
	3/3/16 1525	TA	FedEx 7003 1338 0551	3/3/16 1525	TA
				03/05/16 0900	TA

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.0#1

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
O'Brien & Gere	Rick Boone	3/3/16	291972
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
8805 Governor's Hill Dr. Ste. 164	513-697-2020		

City	State	Zip Code	Site Contact	Lab Contact
Cincinnati	OH	45249	Terra Dalton	Ollette Johnson

Project Name and Location (State): GE Aviation Evendale

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: P.O.# 1168000888, WO# 62574.100.130

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	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
DUP-01-030316	3/3/16	12:00		X							3				X		
OSMW-12P-030316	↓	930		X							3				X		
OSMW-11P-030316		945		X							3				X		
OSMW-11S-030316		955		X							3				X		
OSMW-11D-030316		1001		X							3				X		

Cincinnati

210501

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 Pkg

		Date	Time			Date	Time
1. Relinquished By	Terra Dalton OBG	3/3/16	15:15	1. Received By	[illegible]	3/3/16	15:15
2. Relinquished By	[illegible]	3/3/16	15:25	2. Received By	FedEx 7003 1338 0551	3/3/16	15:25
3. Relinquished By				3. Received By	[illegible] TA	03/05/16	0900

Comments: Temp 3.0 #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: 480-96101-1

Login Number: 96101
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	OBRIEN & GERE
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: 480-96633-1
TestAmerica Sample Delivery Group: 480-96633-1
Client Project/Site: GE Evendale - 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:
3/30/2016 11:47:34 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 Evendale - IRM Weekly

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

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: 480-96633-1

Laboratory: TestAmerica Buffalo

Narrative

Job Narrative
480-96633-1

Receipt
The samples were received on 3/16/2016 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.4º C.

GC/MS VOA
Method(s) 8260C: The following samples were analyzed at a dilution to bring the concentration of target analytes within the calibration range: Influent 031516 (480-96633-2) and Mixing Tank 031516 (480-96633-3). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-291810 recovered above the upper control limit for Carbon Tetrachloride. 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 (480-96633-1), Influent 031516 (480-96633-2), Mixing Tank 031516 (480-96633-3) and Effluent 031516 (480-96633-4).

Method(s) 8260C: Due to the co-elution of n-butyl Acetate with 2-Hexanone in the full spike solution, these analytes exceeded control limits in the laboratory control sample (LCS) associated with batch 291810. The following samples are impacted: Trip Blank (480-96633-1), Influent 031516 (480-96633-2), Mixing Tank 031516 (480-96633-3) and Effluent 031516 (480-96633-4) .

Method(s) 8260C: The laboratory control sample (LCS) for batch analytical batch 480-291810 recovered outside control limits for the following analytes: Tetrachloroethene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The following samples are impacted: Trip Blank (480-96633-1), Influent 031516 (480-96633-2), Mixing Tank 031516 (480-96633-3) and Effluent 031516 (480-96633-4)

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-96633-1

No Detections.

Client Sample ID: Influent 031516 — Lab Sample ID: 480-96633-2

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	5.9		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.0		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	64		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	9.1		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	110		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	22		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Mixing Tank 031516 — Lab Sample ID: 480-96633-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	35		2.0	1.6	ug/L	2		8260C	Total/NA
1,1-Dichloroethane	7.3		2.0	0.76	ug/L	2		8260C	Total/NA
1,1-Dichloroethene	2.6		2.0	0.58	ug/L	2		8260C	Total/NA
cis-1,2-Dichloroethene	54		2.0	1.6	ug/L	2		8260C	Total/NA
trans-1,2-Dichloroethene	6.9		2.0	1.8	ug/L	2		8260C	Total/NA
Trichloroethene	120		2.0	0.92	ug/L	2		8260C	Total/NA
Vinyl chloride	15		2.0	1.8	ug/L	2		8260C	Total/NA

Client Sample ID: Effluent 031516 — Lab Sample ID: 480-96633-4

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 Evendale - IRM Weekly

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Client Sample ID: Trip Blank

Lab Sample ID: 480-96633-1

Date Collected: 03/15/16 00:00
Matrix: Water
Date Received: 03/16/16 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			03/19/16 02:12	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/16 02:12	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/16 02:12	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/16 02:12	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/16 02:12	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/16 02:12	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/16 02:12	1
2-Hexanone	ND	*	5.0	1.2	ug/L			03/19/16 02:12	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/16 02:12	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/16 02:12	1
Acetone	ND		10	3.0	ug/L			03/19/16 02:12	1
Benzene	ND		1.0	0.41	ug/L			03/19/16 02:12	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/16 02:12	1
Bromoform	ND		1.0	0.26	ug/L			03/19/16 02:12	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/16 02:12	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/16 02:12	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/16 02:12	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/16 02:12	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/19/16 02:12	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/16 02:12	1
Chloroform	ND		1.0	0.34	ug/L			03/19/16 02:12	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/16 02:12	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/16 02:12	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/16 02:12	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/16 02:12	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/16 02:12	1
Styrene	ND		1.0	0.73	ug/L			03/19/16 02:12	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			03/19/16 02:12	1
Toluene	ND		1.0	0.51	ug/L			03/19/16 02:12	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/16 02:12	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/16 02:12	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/16 02:12	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/16 02:12	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/16 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*66 - 137*		*03/19/16 02:12*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*03/19/16 02:12*	*1*
4-Bromofluorobenzene (Surr)	*103*		*73 - 120*		*03/19/16 02:12*	*1*
Dibromofluoromethane (Surr)	*115*		*60 - 140*		*03/19/16 02:12*	*1*

Client Sample Results

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Client Sample ID: Influent 031516

Lab Sample ID: 480-96633-2

Date Collected: 03/15/16 07:18
Matrix: Water
Date Received: 03/16/16 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	**27**		2.0	1.6	ug/L			03/19/16 02:37	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/19/16 02:37	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/19/16 02:37	2
1,1-Dichloroethane	**5.9**		2.0	0.76	ug/L			03/19/16 02:37	2
1,1-Dichloroethene	**2.0**		2.0	0.58	ug/L			03/19/16 02:37	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/19/16 02:37	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/19/16 02:37	2
2-Hexanone	ND	*	10	2.5	ug/L			03/19/16 02:37	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/19/16 02:37	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/19/16 02:37	2
Acetone	ND		20	6.0	ug/L			03/19/16 02:37	2
Benzene	ND		2.0	0.82	ug/L			03/19/16 02:37	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/19/16 02:37	2
Bromoform	ND		2.0	0.52	ug/L			03/19/16 02:37	2
Bromomethane	ND		2.0	1.4	ug/L			03/19/16 02:37	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/19/16 02:37	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/19/16 02:37	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/19/16 02:37	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/19/16 02:37	2
Chloroethane	ND		2.0	0.64	ug/L			03/19/16 02:37	2
Chloroform	ND		2.0	0.68	ug/L			03/19/16 02:37	2
Chloromethane	ND		2.0	0.70	ug/L			03/19/16 02:37	2
cis-1,2-Dichloroethene	**64**		2.0	1.6	ug/L			03/19/16 02:37	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/19/16 02:37	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/19/16 02:37	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/19/16 02:37	2
Styrene	ND		2.0	1.5	ug/L			03/19/16 02:37	2
Tetrachloroethene	ND	*	2.0	0.72	ug/L			03/19/16 02:37	2
Toluene	ND		2.0	1.0	ug/L			03/19/16 02:37	2
trans-1,2-Dichloroethene	**9.1**		2.0	1.8	ug/L			03/19/16 02:37	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/19/16 02:37	2
Trichloroethene	**110**		2.0	0.92	ug/L			03/19/16 02:37	2
Vinyl chloride	**22**		2.0	1.8	ug/L			03/19/16 02:37	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/19/16 02:37	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*66 - 137*		*03/19/16 02:37*	*2*
Toluene-d8 (Surr)	*103*		*71 - 126*		*03/19/16 02:37*	*2*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*		*03/19/16 02:37*	*2*
Dibromofluoromethane (Surr)	*112*		*60 - 140*		*03/19/16 02:37*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Client Sample ID: Mixing Tank 031516

Lab Sample ID: 480-96633-3

Date Collected: 03/15/16 07:12
Matrix: Water
Date Received: 03/16/16 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	**35**		2.0	1.6	ug/L			03/19/16 03:02	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.42	ug/L			03/19/16 03:02	2
1,1,2-Trichloroethane	ND		2.0	0.46	ug/L			03/19/16 03:02	2
1,1-Dichloroethane	**7.3**		2.0	0.76	ug/L			03/19/16 03:02	2
1,1-Dichloroethene	**2.6**		2.0	0.58	ug/L			03/19/16 03:02	2
1,2-Dichloroethane	ND		2.0	0.42	ug/L			03/19/16 03:02	2
1,2-Dichloropropane	ND		2.0	1.4	ug/L			03/19/16 03:02	2
2-Hexanone	ND	*	10	2.5	ug/L			03/19/16 03:02	2
2-Butanone (MEK)	ND		20	2.6	ug/L			03/19/16 03:02	2
4-Methyl-2-pentanone (MIBK)	ND		10	4.2	ug/L			03/19/16 03:02	2
Acetone	ND		20	6.0	ug/L			03/19/16 03:02	2
Benzene	ND		2.0	0.82	ug/L			03/19/16 03:02	2
Bromodichloromethane	ND		2.0	0.78	ug/L			03/19/16 03:02	2
Bromoform	ND		2.0	0.52	ug/L			03/19/16 03:02	2
Bromomethane	ND		2.0	1.4	ug/L			03/19/16 03:02	2
Carbon disulfide	ND		2.0	0.38	ug/L			03/19/16 03:02	2
Carbon tetrachloride	ND		2.0	0.54	ug/L			03/19/16 03:02	2
Chlorobenzene	ND		2.0	1.5	ug/L			03/19/16 03:02	2
Dibromochloromethane	ND		2.0	0.64	ug/L			03/19/16 03:02	2
Chloroethane	ND		2.0	0.64	ug/L			03/19/16 03:02	2
Chloroform	ND		2.0	0.68	ug/L			03/19/16 03:02	2
Chloromethane	ND		2.0	0.70	ug/L			03/19/16 03:02	2
cis-1,2-Dichloroethene	**54**		2.0	1.6	ug/L			03/19/16 03:02	2
cis-1,3-Dichloropropene	ND		2.0	0.72	ug/L			03/19/16 03:02	2
Ethylbenzene	ND		2.0	1.5	ug/L			03/19/16 03:02	2
Methylene Chloride	ND		2.0	0.88	ug/L			03/19/16 03:02	2
Styrene	ND		2.0	1.5	ug/L			03/19/16 03:02	2
Tetrachloroethene	ND	*	2.0	0.72	ug/L			03/19/16 03:02	2
Toluene	ND		2.0	1.0	ug/L			03/19/16 03:02	2
trans-1,2-Dichloroethene	**6.9**		2.0	1.8	ug/L			03/19/16 03:02	2
trans-1,3-Dichloropropene	ND		2.0	0.74	ug/L			03/19/16 03:02	2
Trichloroethene	**120**		2.0	0.92	ug/L			03/19/16 03:02	2
Vinyl chloride	**15**		2.0	1.8	ug/L			03/19/16 03:02	2
Xylenes, Total	ND		4.0	1.3	ug/L			03/19/16 03:02	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*66 - 137*		*03/19/16 03:02*	*2*
Toluene-d8 (Surr)	*102*		*71 - 126*		*03/19/16 03:02*	*2*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*		*03/19/16 03:02*	*2*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*03/19/16 03:02*	*2*

Client Sample Results

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Client Sample ID: Effluent 031516

Lab Sample ID: 480-96633-4

Date Collected: 03/15/16 07:10
Date Received: 03/16/16 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			03/19/16 03:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/16 03:27	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/16 03:27	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/16 03:27	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/16 03:27	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/16 03:27	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/16 03:27	1
2-Hexanone	ND	*	5.0	1.2	ug/L			03/19/16 03:27	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/16 03:27	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/16 03:27	1
Acetone	ND		10	3.0	ug/L			03/19/16 03:27	1
Benzene	ND		1.0	0.41	ug/L			03/19/16 03:27	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/16 03:27	1
Bromoform	ND		1.0	0.26	ug/L			03/19/16 03:27	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/16 03:27	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/16 03:27	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/16 03:27	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/16 03:27	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/19/16 03:27	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/16 03:27	1
Chloroform	ND		1.0	0.34	ug/L			03/19/16 03:27	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/16 03:27	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/16 03:27	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/16 03:27	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/16 03:27	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/16 03:27	1
Styrene	ND		1.0	0.73	ug/L			03/19/16 03:27	1
Tetrachloroethene	ND	*	1.0	0.36	ug/L			03/19/16 03:27	1
Toluene	ND		1.0	0.51	ug/L			03/19/16 03:27	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/16 03:27	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/16 03:27	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/16 03:27	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/16 03:27	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/16 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*66 - 137*		*03/19/16 03:27*	*1*
Toluene-d8 (Surr)	*101*		*71 - 126*		*03/19/16 03:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*03/19/16 03:27*	*1*
Dibromofluoromethane (Surr)	*116*		*60 - 140*		*03/19/16 03:27*	*1*

Surrogate Summary

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

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	(66-137)	(71-126)	(73-120)	(60-140)
480-96633-1	Trip Blank	112	102	103	115
480-96633-2	Influent 031516	105	103	104	112
480-96633-3	Mixing Tank 031516	113	102	101	116
480-96633-4	Effluent 031516	114	101	100	116
LCS 480-291810/4	Lab Control Sample	95	102	104	93
MB 480-291810/7	Method Blank	111	102	102	115

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 - IRM Weekly

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

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

Lab Sample ID: MB 480-291810/7
Matrix: Water
Analysis Batch: 291810

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			03/19/16 01:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			03/19/16 01:11	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			03/19/16 01:11	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			03/19/16 01:11	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			03/19/16 01:11	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			03/19/16 01:11	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			03/19/16 01:11	1
2-Hexanone	ND		5.0	1.2	ug/L			03/19/16 01:11	1
2-Butanone (MEK)	ND		10	1.3	ug/L			03/19/16 01:11	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			03/19/16 01:11	1
Acetone	ND		10	3.0	ug/L			03/19/16 01:11	1
Benzene	ND		1.0	0.41	ug/L			03/19/16 01:11	1
Bromodichloromethane	ND		1.0	0.39	ug/L			03/19/16 01:11	1
Bromoform	ND		1.0	0.26	ug/L			03/19/16 01:11	1
Bromomethane	ND		1.0	0.69	ug/L			03/19/16 01:11	1
Carbon disulfide	ND		1.0	0.19	ug/L			03/19/16 01:11	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			03/19/16 01:11	1
Chlorobenzene	ND		1.0	0.75	ug/L			03/19/16 01:11	1
Dibromochloromethane	ND		1.0	0.32	ug/L			03/19/16 01:11	1
Chloroethane	ND		1.0	0.32	ug/L			03/19/16 01:11	1
Chloroform	ND		1.0	0.34	ug/L			03/19/16 01:11	1
Chloromethane	ND		1.0	0.35	ug/L			03/19/16 01:11	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			03/19/16 01:11	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			03/19/16 01:11	1
Ethylbenzene	ND		1.0	0.74	ug/L			03/19/16 01:11	1
Methylene Chloride	ND		1.0	0.44	ug/L			03/19/16 01:11	1
Styrene	ND		1.0	0.73	ug/L			03/19/16 01:11	1
Tetrachloroethene	ND		1.0	0.36	ug/L			03/19/16 01:11	1
Toluene	ND		1.0	0.51	ug/L			03/19/16 01:11	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			03/19/16 01:11	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			03/19/16 01:11	1
Trichloroethene	ND		1.0	0.46	ug/L			03/19/16 01:11	1
Vinyl chloride	ND		1.0	0.90	ug/L			03/19/16 01:11	1
Xylenes, Total	ND		2.0	0.66	ug/L			03/19/16 01:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*66 - 137*		*03/19/16 01:11*	*1*
Toluene-d8 (Surr)	*102*		*71 - 126*		*03/19/16 01:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*03/19/16 01:11*	*1*
Dibromofluoromethane (Surr)	*115*		*60 - 140*		*03/19/16 01:11*	*1*

Lab Sample ID: LCS 480-291810/4
Matrix: Water
Analysis Batch: 291810

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	23.7		ug/L		95	73 - 126
1,1,2,2-Tetrachloroethane	25.0	23.3		ug/L		93	70 - 126

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

Lab Sample ID: LCS 480-291810/4
Matrix: Water
Analysis Batch: 291810

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	24.9		ug/L		100	76 - 122
1,1-Dichloroethane	25.0	22.7		ug/L		91	71 - 129
1,1-Dichloroethene	25.0	23.7		ug/L		95	58 - 121
1,2-Dichloroethane	25.0	21.1		ug/L		84	75 - 127
1,2-Dichloropropane	25.0	21.4		ug/L		86	76 - 120
2-Hexanone	125	174	*	ug/L		139	65 - 127
2-Butanone (MEK)	125	133		ug/L		106	57 - 140
4-Methyl-2-pentanone (MIBK)	125	117		ug/L		94	71 - 125
Acetone	125	127		ug/L		102	56 - 142
Benzene	25.0	22.2		ug/L		89	71 - 124
Bromodichloromethane	25.0	22.5		ug/L		90	80 - 122
Bromoform	25.0	24.9		ug/L		100	52 - 132
Bromomethane	25.0	24.7		ug/L		99	55 - 144
Carbon disulfide	25.0	20.7		ug/L		83	59 - 134
Carbon tetrachloride	25.0	25.7		ug/L		103	72 - 134
Chlorobenzene	25.0	25.8		ug/L		103	72 - 120
Dibromochloromethane	25.0	26.0		ug/L		104	75 - 125
Chloroethane	25.0	22.7		ug/L		91	69 - 136
Chloroform	25.0	21.9		ug/L		88	73 - 127
Chloromethane	25.0	21.6		ug/L		86	68 - 124
cis-1,2-Dichloroethene	25.0	22.1		ug/L		89	74 - 124
cis-1,3-Dichloropropene	25.0	21.8		ug/L		87	74 - 124
Ethylbenzene	25.0	25.7		ug/L		103	77 - 123
Methylene Chloride	25.0	19.7		ug/L		79	57 - 132
Styrene	25.0	24.6		ug/L		98	70 - 130
Tetrachloroethene	25.0	32.5	*	ug/L		130	74 - 122
Toluene	25.0	25.2		ug/L		101	80 - 122
trans-1,2-Dichloroethene	25.0	23.3		ug/L		93	73 - 127
trans-1,3-Dichloropropene	25.0	25.2		ug/L		101	72 - 123
Trichloroethene	25.0	23.2		ug/L		93	74 - 123
Vinyl chloride	25.0	25.1		ug/L		101	65 - 133
Xylenes, Total	50.0	50.7		ug/L		101	76 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*66 - 137*
Toluene-d8 (Surr)	*102*		*71 - 126*
4-Bromofluorobenzene (Surr)	*104*		*73 - 120*
Dibromofluoromethane (Surr)	*93*		*60 - 140*

QC Association Summary

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

GC/MS VOA

Analysis Batch: 291810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-96633-1	Trip Blank	Total/NA	Water	8260C	
480-96633-2	Influent 031516	Total/NA	Water	8260C	
480-96633-3	Mixing Tank 031516	Total/NA	Water	8260C	
480-96633-4	Effluent 031516	Total/NA	Water	8260C	
LCS 480-291810/4	Lab Control Sample	Total/NA	Water	8260C	
MB 480-291810/7	Method Blank	Total/NA	Water	8260C	

Lab Chronicle

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Client Sample ID: Trip Blank — Lab Sample ID: 480-96633-1

Date Collected: 03/15/16 00:00 — **Matrix: Water**
Date Received: 03/16/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	291810	03/19/16 02:12	JWG	TAL BUF

Client Sample ID: Influent 031516 — Lab Sample ID: 480-96633-2

Date Collected: 03/15/16 07:18 — **Matrix: Water**
Date Received: 03/16/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	291810	03/19/16 02:37	JWG	TAL BUF

Client Sample ID: Mixing Tank 031516 — Lab Sample ID: 480-96633-3

Date Collected: 03/15/16 07:12 — **Matrix: Water**
Date Received: 03/16/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		2	291810	03/19/16 03:02	JWG	TAL BUF

Client Sample ID: Effluent 031516 — Lab Sample ID: 480-96633-4

Date Collected: 03/15/16 07:10 — **Matrix: Water**
Date Received: 03/16/16 10:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	291810	03/19/16 03:27	JWG	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 - IRM Weekly

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

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	07-06-16
California	State Program	9	1169CA	09-30-17
Connecticut	State Program	1	PH-0568	09-30-16
Florida	NELAP	4	E87672	06-30-16
Georgia	State Program	4	N/A	03-31-16 *
Georgia	State Program	4	956	03-31-16 *
Illinois	NELAP	5	200003	09-30-16
Iowa	State Program	7	374	03-01-17
Kansas	NELAP	7	E-10187	05-31-16 *
Kentucky (DW)	State Program	4	90029	12-31-16
Kentucky (UST)	State Program	4	30	03-31-16 *
Kentucky (WW)	State Program	4	90029	12-31-16
Louisiana	NELAP	6	02031	06-30-16
Maine	State Program	1	NY00044	12-04-16
Maryland	State Program	3	294	03-31-16 *
Massachusetts	State Program	1	M-NY044	06-30-16
Michigan	State Program	5	9937	03-31-16 *
Minnesota	NELAP	5	036-999-337	12-31-16
New Hampshire	NELAP Secondary AB	1	2337	11-17-16
New Jersey	NELAP	2	NY455	06-30-16
New York	NELAP	2	10026	03-31-16 *
North Dakota	State Program	8	R-176	03-31-16 *
Oklahoma	State Program	6	9421	08-31-16
Oregon	NELAP	10	NY200003	06-09-16
Pennsylvania	NELAP	3	68-00281	07-31-16
Rhode Island	State Program	1	LAO00328	12-30-16
Tennessee	State Program	4	TN02970	03-31-16 *
Texas	NELAP	6	T104704412-15-6	07-31-16
USDA	Federal		P330-11-00386	11-26-17
Virginia	NELAP	3	460185	09-14-16
Washington	State Program	10	C784	02-10-17
West Virginia DEP	State Program	3	252	09-30-16
Wisconsin	State Program	5	998310390	08-31-16

* Certification renewal pending - certification considered valid.

Method Summary

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

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

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 - IRM Weekly

TestAmerica Job ID: 480-96633-1
SDG: 480-96633-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-96633-1	Trip Blank	Water	03/15/16 00:00	03/16/16 10:00
480-96633-2	Influent 031516	Water	03/15/16 07:18	03/16/16 10:00
480-96633-3	Mixing Tank 031516	Water	03/15/16 07:12	03/16/16 10:00
480-96633-4	Effluent 031516	Water	03/15/16 07:10	03/16/16 10:00

48003453

Chain of Custody Record

Buffalo

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: O'Brien & Gere Inc	Project Manager: Scott McQueen	Date: 3-15-16	Chain of Custody Number: 291927
Address: 8805 Governor's Hill Dr	Telephone Number (Area Code)/Fax Number: 484-804-1220	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.: 11311127			

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		VOC's (8260B)
Trip Blank	3-15-16			X							2				X
Influent 031516	↓	7:18		X							3				X
Mixing Tank 031516	↓	7:12		X							3				X
Effluent 031516	↓	7:10		X							3				X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Cincinnati 210501

480-96633 Chain of Custody

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)

1. Relinquished By: Mike McLaughlin	Date: 3-15-16	Time: 1254	1. Received By: [signature]	Date: 3/15/16	Time: 1254
2. Relinquished By: [signature]	Date: 3/15/16	Time: 1254	2. Received By: [signature]	Date: 3/16/16	Time: 1000
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

3.4 #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: 480-96633-1
SDG Number: 480-96633-1

Login Number: 96633
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.	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