
PERIODIC REVIEW REPORT

**SENECA MARKET I, LLC SITE
(BCP SITE NO. C849004)**

WATKINS GLEN, NEW YORK

October 2017

0211-001-600

Prepared for:

Seneca Market I, LLC

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Seneca Market I, LLC Site

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1.0 INTRODUCTION

Benchmark Environmental Engineering and Science, PLLC (Benchmark) has prepared this Periodic Review Report (PRR), on behalf of Seneca Market I, LLC to summarize the post-remedial status of New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C849004, located in the Village of Watkins Glen, Schuyler County, New York (Site; see Figure 1).

This PRR has been prepared for the Seneca Market I, LLC Site in accordance with NYSDEC DER-10 *Technical Guidance for Site Investigation and Remediation* (May 2010). The NYSDEC's Institutional and Engineering Controls (IC/EC) Certification Form has been completed for the Site (see Appendix A).

This PRR and the associated inspections form has been completed for the post-remedial activities at the Site for the August 24, 2015 to August 29, 2017 reporting period.

1.1 Site Background

The Seneca Market I, LLC Site encompasses approximately 2.3-acres of land which was redeveloped as a hotel complex in Watkins Glen, New York (see Figure 1). The Site was formerly comprised of four separate adjoining tax parcels which were historically used as a dry cleaning facility, a bus garage, an automobile museum, a grape processing facility, and an asphalt company. Figure 2 shows the former parcels and buildings prior to remediation.

On-Site soil and groundwater were contaminated by chlorinated volatile organic compounds (cVOCs) related to the dry cleaning operation, and petroleum hydrocarbons related to the former underground storage tanks (USTs) and automobile repair operations.

1.2 Remedial History

Between 1994 and 1999, multiple remedial efforts were implemented by the NYSDEC across the Site including soil vapor extraction (SVE), groundwater pump and treat system, and soil excavation. Though the remedial activities employed were successful in reducing contaminant levels, remaining soil and groundwater contamination requiring further remedial efforts was necessary for redevelopment of the Site.

After acceptance into the New York State BCP in November 2005, a Remedial Design (RD) Work Plan was prepared and subsequently approved by the NYSDEC.

Remedial activities began in October 2006 and were completed in November 2008. Remedial activities are described below in Section 2.0. The remedial program was successful in achieving the remedial objectives for the Site, and the Site Management Plan (SMP) and Final Engineering Report (FER) were approved by the Department in December 2008. The NYSDEC issued a COC for the Site on December 31, 2008.

1.3 Compliance

At the time of the Site inspection, the Site was fully compliant with the Department's approved SMP.

1.4 Recommendations

Based on the results of the annual inspection and certification, Benchmark makes the following recommendations for the Site.

- Modification of the certification reporting requirement from annual to triennial (every three years).

Beyond those changes described above, no modifications are recommended at this time.

2.0 SITE OVERVIEW

The Site is located within the block bounded by Franklin, First, Decatur Streets, and the Finger Lakes Railway right-of-way in the Village of Watkins Glen, Schuyler County, New York (see Figures 1 and 2). The parcels have a history of use that dates back to the 1860s. The Site was historically used as a dry cleaning facility, a bus garage, an automobile museum, a grape processing facility, and an asphalt company. The portion of the Site formerly addressed at 20 North Franklin Street was historically occupied by a dry cleaning facility and was formerly identified as an inactive Class 2 hazardous waste site by the NYSDEC. That portion of the Site was further remediated, and is currently managed under the BCP.

Environmental site investigations were conducted between 1991 and 1993 confirmed contamination of the Site's soil and groundwater. In 1994 the NYSDEC issued a Record of Decision (ROD) which determined the remedial approach for the former dry cleaning site. Remedial measures including SVE, and groundwater treatment were initiated in 1996, and subsequently suspended in 1998, pending the need for further investigation.

Seneca Market I, LLC entered into a Brownfield Cleanup Agreement (BCA) with the NYSDEC in 2005 to remediate and redevelop the site as a hotel complex. The remedial activities began in October 2006 and were completed in November 2008. The remedial activities included:

- Decommissioning of historic monitoring wells;
- Excavation and off-site disposal of soil impacted with chlorinated volatile organic compounds (cVOCs) within the former dry cleaner area;
- Extraction and treatment of groundwater from the cVOC excavation;
- Delivery of hydrogen release compounds (HRC) to the cVOC excavation to enhance degradation of residual cVOCs in saturated soil and groundwater;
- Removal of an underground storage tank (UST) encountered in the area of the former dry cleaner;
- Removal of two in-ground lifts and one UST and excavation and off-site disposal of petroleum-impacted soil in the area of the former bus garage;
- Implementation of a Soil/Fill Management Plan (SFMP) during Site redevelopment;
- Installation of a vapor barrier and an active sub-slab depressurization (ASD) system beneath the newly constructed hotel; and
- Placement of cover system.

Remedial activities were completed in November 2008. The FER and SMP for the Site were approved by the Department in December 2008. The COC was issued for the Site on December 31, 2008.

3.0 REMEDY PERFORMANCE

Post-remedial annual site inspections and long-term groundwater monitoring have been completed at the Site in accordance with the SMP since 2008. The Site inspection including a walk-over of the entire BCP Site to visually observe and document the use of the Site for commercial use, restriction of groundwater use, operation of the active subsurface vapor extraction system, and conformance with the Site Management Plan (SMP). The 2015 through 2017 site inspections completed during this reporting period indicates that the controls are in-place and functioning as intended in accordance with the SMP.

The completed IC/EC Certification form and site photographs are included in Appendix A and Appendix B, respectively.

4.0 SITE MANAGEMENT PLAN

A SMP was prepared for the Site, and approved by the Department in December 2008. The SMP includes an Operation, Monitoring and Maintenance (OM&M) Plan, a Soil/Fill Management Plan (SFMP), and a copy of the Environmental Easements. A brief description of the components of the SMP is presented below.

4.1 Operation, Monitoring and Maintenance Plan

The OM&M Plan consists of three major components, including the Active Sub-slab Depressurization System (ASD); the Long-Term Groundwater Monitoring (LTGWM) Plan; and the Annual Inspection & Certification Program.

4.1.1 Active Sub-slab Depressurization System

An ASD system was installed during construction of the hotel building. As required by the Department approved SMP, the ASD system must: (1) be operated continuously to provide a negative pressure field; (2) be visually inspected periodically to verify proper operation; and (3) annually inspected and certified that the system is performing properly and remains an effective engineering control (EC).

The ASD system was inspected on August 24, 2015, August 29, 2016 and August 21, 2017. The inspector verified that the ASD system was operating properly at the time of the site inspections. Copies of the ASD visual inspection logs are included in Appendix C.

4.1.2 Long-Term Groundwater Monitoring Plan

Long-term groundwater monitoring (LTGWM) was conducted on August 24, 2015 August 29, 2016 and August 21, 2017. A discussion of the groundwater monitoring results is described in Section 5 below.

4.1.3 Annual Inspection and Certification Program

The Annual Inspection and Certification Program outlines the requirements for the Site, to certify and attest that the institutional controls and/or engineering controls employed at the Site are unchanged from the previous certification. The Annual Certification will

primarily consist of an annual Site Inspection to complete the NYSDEC's IC/EC Certification Form. The Site inspection will verify that the IC/ECs:

- Are in place and effective.
- Are performing as designed.
- That nothing has occurred that would impair the ability of the controls to protect the public health and environment.
- That nothing has occurred that would constitute a violation or failure to comply with any operation and maintenance plan for such controls.
- Access is available to the Site to evaluate continued maintenance of such controls.

A Site inspection of the property was conducted by a Benchmark Qualified Environmental Professional (QEP) during this reporting period on August 24, 2015, August 29, 2016 and August 21, 2017. At the time of the inspections, the property was being used as a hotel complex (Seneca Harbor Hotel), with surface parking, paved walkways and landscaped areas. No observable indication of intrusive activities was noted during the Site inspection. The hotel complex utilizes the local municipal water supply, and no observable use of groundwater was noted during the Site inspections.

The completed Site Management Periodic Review Report Notice – Institutional and Engineering Controls Certification Form is included in Appendix A. A photo log of the Site inspection is included in Appendix B.

4.2 Soil/Fill Management Plan

A SFMP was included in the approved-SMP for the Site. The SFMP provides guidelines for the management of soil and fill material during any future intrusive activities.

No intrusive activities requiring management of on-Site soil or fill material; or the placement of backfill materials occurred during the monitoring period.

4.3 Engineering and Institutional Control Requirements and Compliance

As detailed in the Environmental Easements, several IC/ECs need to be maintained as a requirement of the BCAs for the Site.

4.3.1 Institutional Controls

- Groundwater-Use Restriction – the use of groundwater for potable and non-potable purposes is prohibited; and
- Land-Use Restriction: The controlled property may be used for commercial and/or industrial use; and
- Implementation of the SMP including the OM&M Plan and SFMP.

4.3.2 Engineering Controls

- Vapor Mitigation – ASD System has been operated continuously and properly maintained.
- Cover System – The cover system, including building foundations, concrete sidewalks, concrete or asphalt driveways and parking areas, and landscaped vegetated areas are all being maintained in compliance with the SMP.

At the time of the site inspection, the Site was compliant with all engineering and institutional control requirements.

5.0 LONG-TERM GROUNDWATER MONITORING

The long-term groundwater monitoring events for this reporting period occurred on August 24, 2015, August 29, 2016, and August 21, 2017, including MW-1SR, MW-3SR, MW-4S, MW-7S, MW-9S, MW-10S, or MW-21S. It should be noted cessation of long-term groundwater sampling of MW-4S and MW-9S was approved by the Department in 2016. MW-21S was not sampled in 2016 due to obstruction (location covered by automobile).

Groundwater samples from each of the sampled wells were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) per USEPA Method 8260. Tables 1 through 3 summarizes the analytical data from the current groundwater monitoring events, as well as historic groundwater monitoring events completed by Benchmark and the NYSDEC with comparison to NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1). The laboratory analytical packages are included in Appendix D.

As shown on Tables 1 through 3, chlorinated VOCs were not detected above GWQS in MW-3SR, MW-4S, MW-7S, MW-9S, MW-10S, or MW-21S. Analytical results for MW-1SR were in-line with historic results, with certain parameters above their GWQS.

Groundwater elevations at each monitoring well were recorded during the 2015, 2016 and 2017 monitoring events. Tables 4 through 6 shows the relative groundwater elevations recorded during each event. An isopotential map (Figure 4) includes estimated groundwater flow direction for the August 2017 event. The groundwater flow is generally north – northwest.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Conclusions and recommendations are as follows:

- At the time of the Site inspection, the Site was in compliance with the SMP.

The following modifications are recommended for the Site:

- Modification of the certification reporting requirement from annual to triennial (every three years).

7.0 DECLARATION/LIMITATION

Benchmark Environmental Engineering and Science, PLLC, personnel conducted the annual site inspections for Brownfield Cleanup Program Site No. C849004, Watkins Glen, New York, according to generally accepted practices. This report complied with the scope of work provided to Seneca Market I, LLC by Benchmark Environmental Engineering and Science, PLLC.

This report has been prepared for the exclusive use of Seneca Market I, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of Seneca Market I, LLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering and Science, PLLC.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter ¹	MW-1SR																08/21/17	MW-3SR																		GWQS ⁶		
	1/1/93 ²	4/1/93 ²	11/21/08	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16		1/1/93 ²	4/1/93 ²	3/16/00 ³	6/23/00 ⁴	10/20/00 ⁵	11/21/08	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15		08/29/16	08/21/17
TCL Volatile Organic Compounds (VOCs) - ug/L																																						
Acetone	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	8.4 J	17	6.5	ND	ND	ND	6.9	ND	R	R	ND	24	ND	ND	ND	ND	ND	ND	ND	12	12	11	ND	ND	ND	8.9	2.2 J	50	
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	R	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	
Carbon disulfide	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
1,1-Dichloroethene	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	13	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
cis-1,2-Dichloroethene	NA	NA	91	75	72	71	79	80	74	110	91	80	93	100	83	100	96	NA	NA	NA	NA	NA	13	3	1.8	1.7	7.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
trans-1,2-Dichloroethene	NA	NA	0.71 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	0.81 J	0.72 J	NA	NA	NA	NA	NA	0.24 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5
Total 1,2-Dichloroethene	43	40	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	770	87	1900	5500	2200	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
4-methyl-2-pentanone (MIBK)	9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--	
Methyl tert butyl ether (MTBE)	ND	ND	1.8	1.6	2	1.7	1.7	1.9	1.1	1.2	ND	ND	ND	ND	0.72 J	ND	ND	ND	ND	ND	ND	ND	4.6	5.1	4.7	4	4.3	4.1	3.3	3.2	2.5	2.1	1.5	1.3	0.77 J	ND	ND	10
Tetrachloroethene	410	360	88	70	87	83	87	70	68	71	84	62	49	56	38	28	55	88	8	77	83	ND	24	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
Trichloroethene	22 J	26	21	17	21	20	20	18	17	19	22	18	17	17	13	17	18	190	20	83	200	14	7.7	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
Vinyl chloride	ND	ND	1.5	1.7	1.4	1.7	1.8	3	1.9	3.3	1.5	ND	1.9	1.6	0.31 J	0.61 J	0.94 J	38 J	ND	17	420	390	2.6	1.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.15 J	0.09 J	2	
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
Total Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
Total VOCs	484.0	426.0	205.8	165.3	183.4	178.5	189.5	175.9	162.0	212.9	215.5	166.5	160.9	176.2	135.0	153.3	170.7	1086.0	115.0	2078.0	6277.0	2608.0	52.1	9.3	7.0	5.7	19.0	4.1	3.3	15.2	14.5	13.1	1.5	1.3	0.8	9.1	2.3	X
Total Chlorinated VOCs	475.0	426.0	202.2	163.7	181.4	175.7	187.8	171.0	160.9	203.3	198.5	160.0	160.9	176.2	134.3	146.4	170.7	1086.0	115.0	2077.0	6203.0	2604.0	47.5	4.2	2.0	1.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1		

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Exceedeeds GWQS

TABLE 2
SUMMARY OF GROUNDWATER MONITORING RESULTS

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter ¹	Sample Locations and Date																																		GWQS ⁶			
	MW-7S																		MW-10S																			
	1/1/93 ²	4/1/93 ²	3/16/00 ³	6/23/00 ⁴	10/20/00 ⁵	11/21/08	02/27/09	05/20/09	09/23/09	12/14/10	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	1/1/93 ²	4/1/93 ²	11/21/08	11/21/08 Blind Duplicate	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13		05/29/14	08/24/15	08/29/16
TCL Volatile Organic Compounds (VOCs) - ug/L																																						
Acetone	R	ND	ND	ND	ND	ND	ND	34	41	35	ND	ND	ND	45	ND	ND	ND	ND	7.8	1.7 J	20	R	ND	ND	ND	ND	ND	ND	ND	ND	13 J	15 J	7.7	ND	ND	ND	ND	50
Benzene	6 J	R	7	11	ND	4.7	27	14	8.2	6.5	8.8	ND	8.5	8	1.2	ND	ND	ND	ND	ND	ND	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	0.2 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.19 J	ND	ND	5	
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	50	
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1 J	0.82 J	7		
Cyclohexane	ND	ND	ND	ND	ND	8.8	21	12	11	12	15	10	10	11	7.3	4.3	6.2	2.6 J	3.4 J	4.7 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--		
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.48 J	ND	50		
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	4.1	3.5	3	7.5	2.7	2.2	2.8	4.4	1.1	1.3	ND	4	3.5	ND	3.5	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
Total 1,2-Dichloroethene	ND	3 J	6	36	6	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	5		
Ethylbenzene	ND	6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	1.4	1.7	1.3	1.6	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
Methylcyclohexane	ND	ND	ND	ND	ND	1.4	6.9	4.4	5	5.1	5.1	2.7	4.8	3.8	1.5	1.4	ND	0.46 J	ND	0.59 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--			
Methylene chloride	R	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
4-methyl-2-pentanone (MIBK)	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	--			
Methyl tert butyl ether (MTBE)	ND	ND	ND	ND	ND	4.5	3.7	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10			
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
Tetrachloroethene	ND	ND	ND	5	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J	R	3.2	3.2	4	2.5	2.5	3.7	3.7	3.6	4.3	ND	2.3	ND	ND	ND	5	
Toluene	ND	ND	ND	2	ND	0.69 J	5.7	5.7	ND	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	ND	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
Trichloroethene	ND	ND	ND	4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
Vinyl chloride	ND	ND	1	3	ND	1.3	1.1	ND	2.1	1.1	1	1.8	1.4	1.1	ND	ND	1.8	1.7	0.36 J	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2			
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
m+p Xylene	ND	ND	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	3.1	ND	5.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
Total Xylene	ND	2 J	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5		
Total VOCs	26.0	11.0	14.0	61.0	14.0	26.0	72.2	86.3	82.3	67.5	36.8	17.3	41.1	70.0	11.3	5.7	12.0	8.3	11.6	13.0	26.0	20.4	3.5	3.2	4.0	2.5	2.5	3.7	3.7	3.6	17.3	15.0	10.0	0.0	0.0	0.8	X	
Total Chlorinated VOCs	0.0	3.0	7.0	48.0	14.0	5.4	4.6	3.0	9.6	3.8	3.2	4.6	5.8	2.2	1.3	0.0	5.8	5.2	0.4	6.0	6.0	4.0	3.2	3.2	4.0	2.5	2.5	3.7	3.7	3.6	4.3	0.0	2.3	0.0	0.0	0.0		

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 R/VFS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOGS 1.1.1
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.

Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Exceededs GWQS

TABLE 3
SUMMARY OF GROUNDWATER MONITORING RESULTS
SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Parameter ¹	Sample Location and Date																												GWQS ⁶			
	MW-21S														MW-4S								MW-9S									
	11/21/08	02/27/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	08/21/17	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14	08/24/15	08/29/16	10/18/10	05/11/11	10/21/11	06/11/12	06/24/13	05/29/14		08/24/15	08/29/16	
TCL Volatile Organic Compounds (VOCs) - ug/L																																
Acetone	1.8 J	ND	ND	ND	ND	ND	12	14	13	5.1	ND	ND	NS	3.8	ND	9.5	18	9.4	7.9	ND	ND	ND	ND	8.8	17	8	ND	ND	ND	ND	ND	50
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	0.78 J	0.78 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	
Chloromethane (Methyl chloride)	ND	ND	1.6	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	
cis-1,2-Dichloroethene	0.21 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	2 J	ND	ND	ND	ND	ND	ND	5	
Methyl tert butyl ether (MTBE)	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.39 J	0.39 J	5	
Vinyl chloride	0.23 J	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	
Total VOCs	2.8	0.0	2.6	0.0	0.0	0.0	12.0	14.0	13.0	5.1	0.0	0.0	0.0	3.8	0.0	9.5	18.0	9.4	7.9	0.0	0.8	0.8	2.3	8.8	19.0	8.0	0.0	0.0	0.4	0.4	✕	
Total Chlorinated VOCs	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	2.0	0.0	0.0	0.0	0.4	0.4	✕	

Notes:
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Results are from the 1993 RI/FS report prepared by URS.
3. Pre-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
4. Between injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
5. Post-injection groundwater sampling results from the 2001 URS report "Evaluation of Site Remediation by In-Situ Oxidation."
6. Class "GA" Groundwater Quality Standards for NYSDEC Divisions of Water TOCS 1.1.1.
7. Monitoring Wells MW-4S & MW-9S added to monitoring program as per NYSDEC Letter Dated June 9, 2010.
Definitions:
ND = Parameter not detected above laboratory detection limit.
NA = Sample not analyzed for parameter.
NS = No sample collected due to vehicle parked over monitoring well.
"--" = No GWQS available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.
R = Data rejected.

Exceeds GWQS

TABLE 4

SUMMARY OF GROUNDWATER ELEVATIONS

Annual Groundwater Monitoring Report (August/24/2015)
Seneca Market I, LLC Site
Watkins Glen, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.40	445.99
MW-3SR	451.89	4.70	447.19
MW-4S	450.68	4.55	446.13
MW-7S	450.85	4.65	446.20
MW-9S	453.57	7.50	446.07
MW-10S	452.01	5.95	446.06
MW-21S	453.09	4.50	448.59

Notes:

1. DTW = depth to water, measured in feet below top of riser
2. fmsl = feet above mean sea level
3. fbTOR = feet below top of riser
4. TOR = Top of Riser; elevations surveyed on 02-27-2009

TABLE 5

SUMMARY OF GROUNDWATER ELEVATIONS

**August 29, 2016
Seneca Market I, LLC Site
Watkins Glen, New York**

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.75	445.64
MW-3SR	451.89	5.05	446.84
MW-4S	450.68	4.90	445.78
MW-7S	450.85	5.20	445.65
MW-9S	453.57	7.90	445.67
MW-10S	452.01	6.30	445.71
MW-21S	453.09	NM	-

Notes:

1. DTW = depth to water, measured in feet below top of riser
2. fmsl = feet above mean sea level
3. fbTOR = feet below top of riser
4. TOR = Top of Riser; elevations surveyed on 02-27-2009

TABLE 6

SUMMARY OF GROUNDWATER ELEVATIONS

Second Semi-Annual Groundwater Monitoring Report - August 21, 2017
Seneca Market I, LLC Site
Watkins Glen, New York

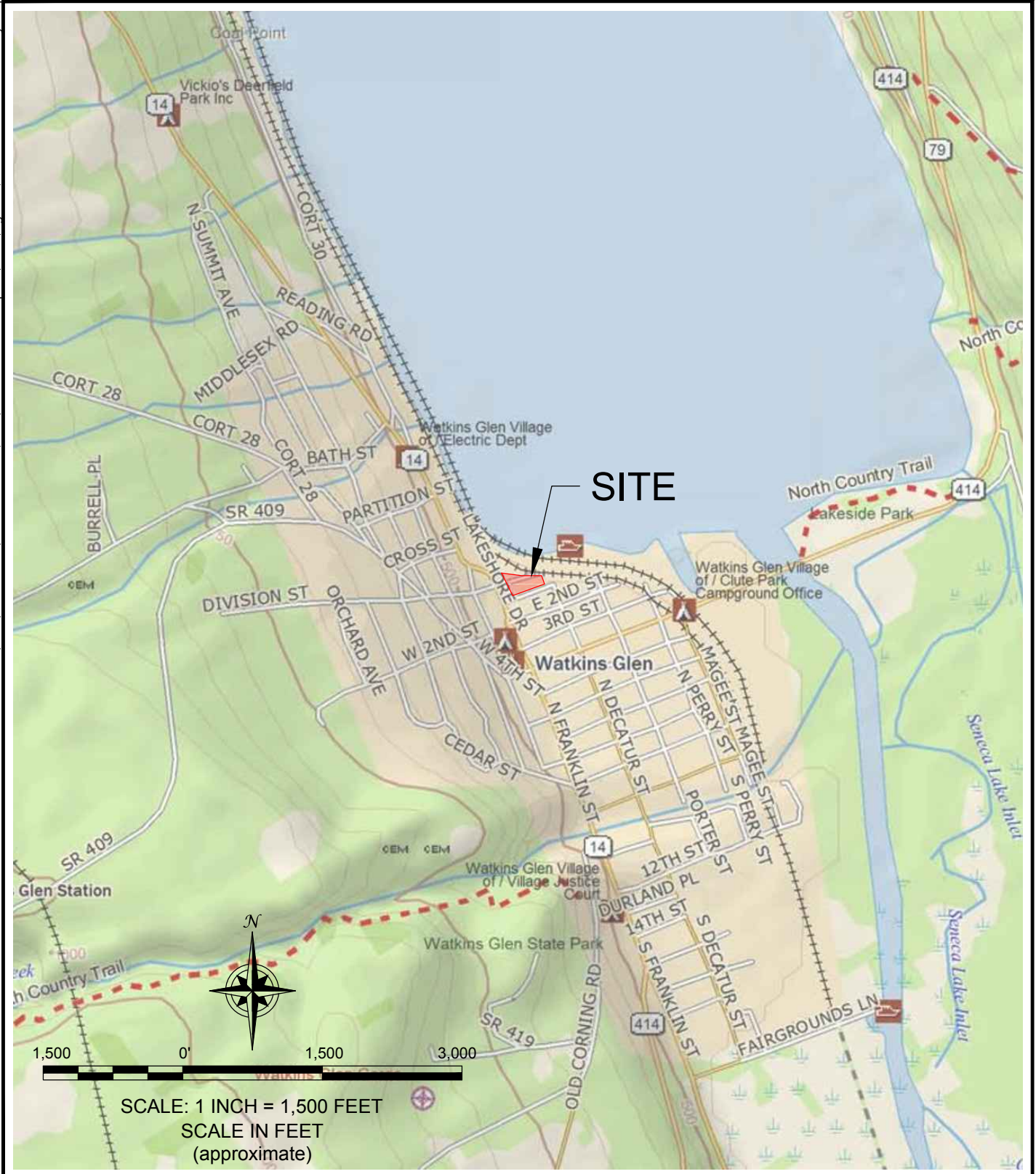
Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.28	446.11
MW-3SR	451.89	5.50	446.39
MW-4S	450.68	4.40	446.28
MW-7S	450.85	4.67	446.18
MW-9S	453.57	7.38	446.19
MW-10S	452.01	5.82	446.19
MW-21S	453.09	4.85	448.24

Notes:

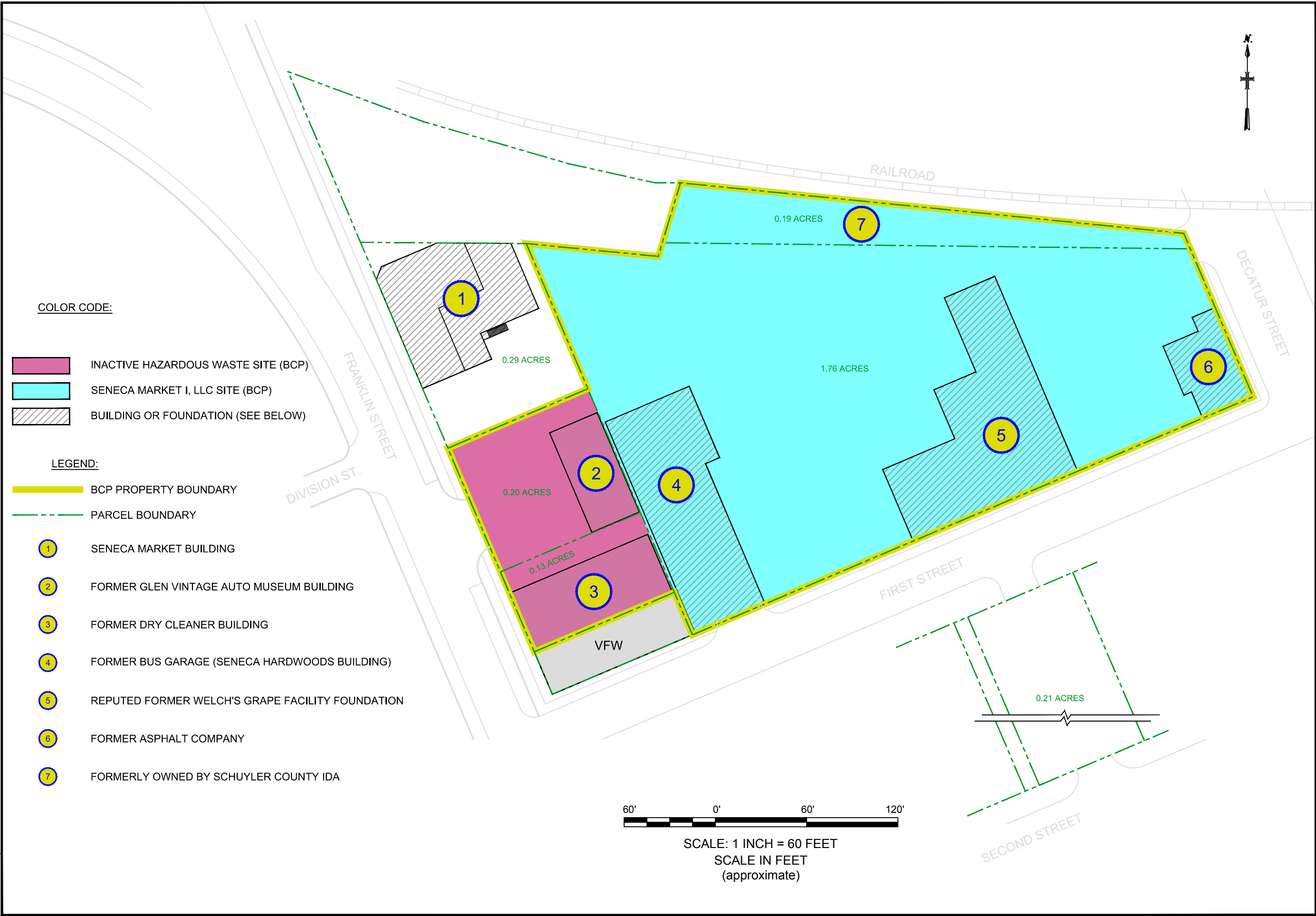
1. DTW = depth to water, measured in feet below top of riser
2. fmsl = feet above mean sea level
3. fbTOR = feet below top of riser
4. TOR = Top of Riser; elevations surveyed on 02-27-2009

FIGURES

FIGURE 1



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC 2558 HAMBURG TURNPIKE SUITE 300 BUFFALO, NY 14218 (716) 856-0599 <table border="1"><tr><td>PROJECT NO.: 0092-013-001</td></tr><tr><td>DATE: JULY 2013</td></tr><tr><td>DRAFTED BY: JGT</td></tr></table>	PROJECT NO.: 0092-013-001	DATE: JULY 2013	DRAFTED BY: JGT	SITE LOCATION AND VICINITY MAP PERIODIC REVIEW REPORT SENECA MARKEY I, LLC SITE WATKINS GLEN, NEW YORK PREPARED FOR SENECA MARKET I, LLC
PROJECT NO.: 0092-013-001				
DATE: JULY 2013				
DRAFTED BY: JGT				



SITE PLAN (PRE-REMEDIATION)

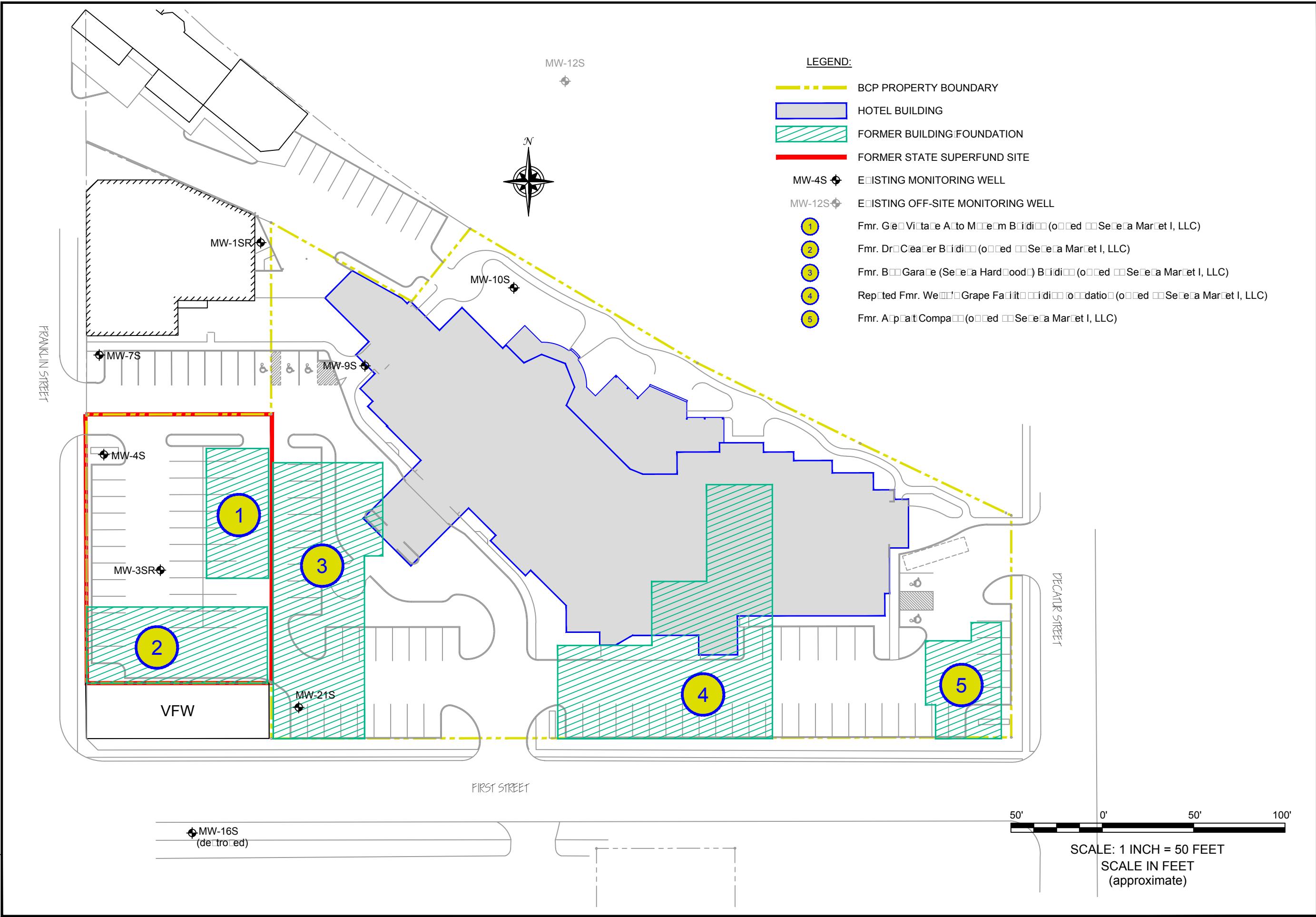
PERIODIC REVIEW REPORT
SECECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
PREPARED FOR
SENECA MARKET I, LLC

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

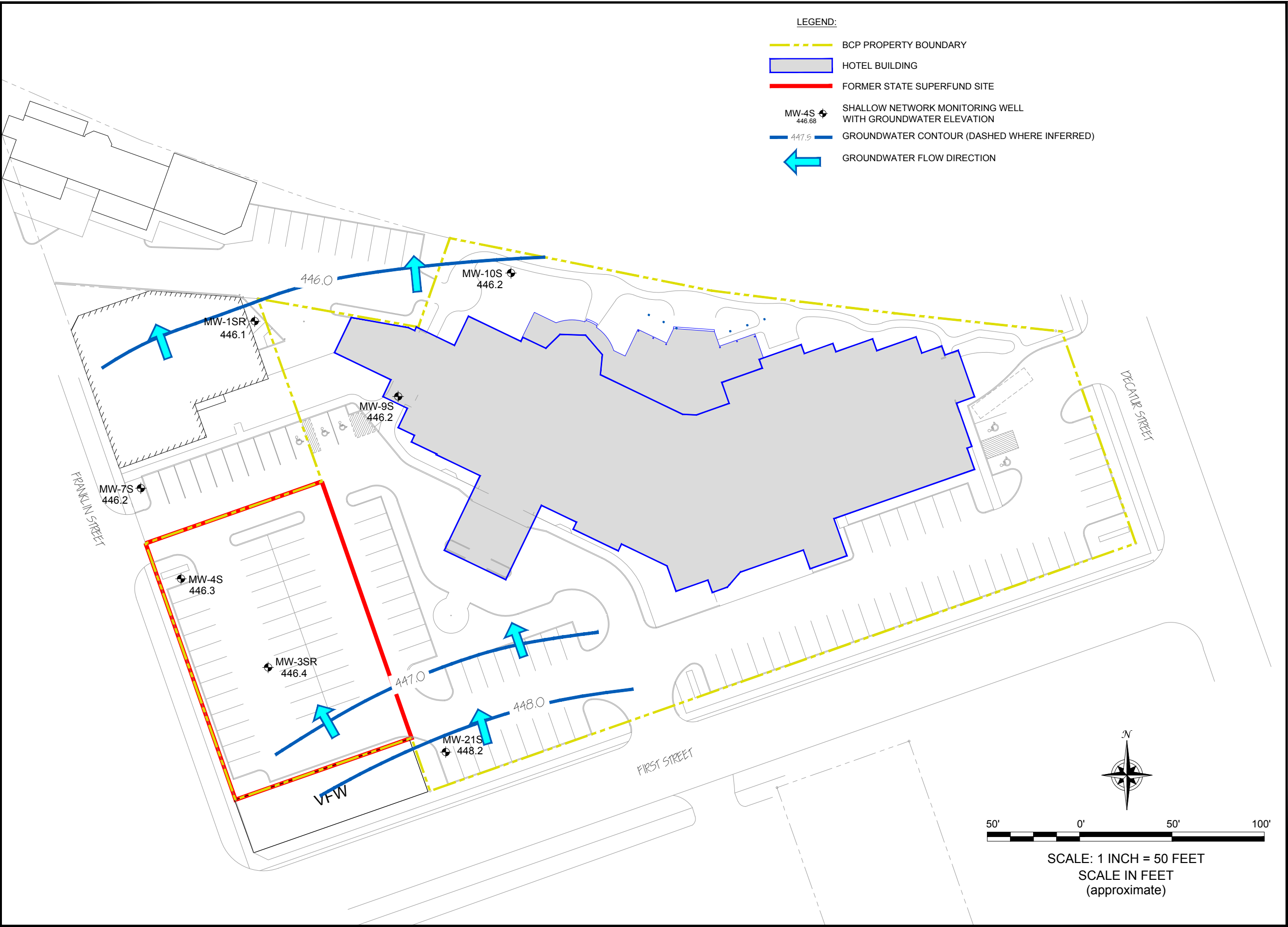
JOB NO.: 0092-013-001

FIGURE 2



SITE PLAN (POST-REMEDIATION)

PERIODIC REVIEW REPORT
SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
PREPARED FOR
SENECA MARKET I, LLC



**GROUNDWATER ISOPOTENTIAL MAP
ANNUAL MONITORING (AUGUST 2017)**

PERIODIC REVIEW REPORT
SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
SITE NO. C849004
PREPARED FOR
SENECA MARKET I, LLC

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0211-001-600

FIGURE 4

DISCLAIMER: PROPERTY OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC.

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. C849004
Site Name Seneca Market 1, LLC site
Site Address: 16 Franklin Street
City/Town: Watkins Glen
Zip Code: 14819
County: Schuyler
Site Acreage: 2.3

Reporting Period: ~~June 15, 2012 to June 15, 2014~~

June 15, 2014 to August 31, 2017

1. Is the information above correct?

YES NO

☒ ☐

If NO, include handwritten above or on a separate sheet.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐ ☒

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐ ☒

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐ ☒

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐ ☒

Box 2

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

YES NO

☒ ☐

7. Are all ICs/ECs in place and functioning as designed?

☒ ☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

- Box 2A
YES NO
8. Has any new information revealed that assumptions made in the Qualitative Exposure Assessments regarding off-site contamination are no longer valid? ☐ ☒

If you answered YES to question 8, include documentation or evidence that documentation has been previously submitted with this certification form.

9. Are the assumptions in the Qualitative Exposure Assessment still valid? ☒ ☐
(The Qualitative Exposure Assessment must be certified every five years)

If you answered NO to question 9, the Periodic Review Report must include an updated Qualitative Exposure Assessment based on the new assumptions.

SITE NO. C849004

Box 3

Description of Institutional Controls

Parcel
65.09-2-56

Owner
Seneca Market 1, LLC

Institutional Control
Ground Water Use Restriction
Soil Management Plan
Land Use Restriction
Site Management Plan

The sub-slab depressurization system under the building structure at the site. A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces. Use of groundwater underlying the controlled property is prohibited without treatment. Controlled property may be used for commercial and industrial use.

65.09-2-58

Seneca Market 1, LLC

Ground Water Use Restriction
Soil Management Plan
Land Use Restriction
Site Management Plan

The sub-slab depressurization system under the building structure at the site. A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces. Use of groundwater underlying the controlled property is prohibited without treatment. Controlled property may be used for commercial and industrial use.

65.09-2-59.1

Seneca Market 1, LLC

Ground Water Use Restriction
Soil Management Plan
Land Use Restriction
Site Management Plan

The sub-slab depressurization system under the building structure at the site. A composite cover system consisting of concrete building foundation, concrete sidewalks, a vapor barrier beneath the building one foot of topsoil cover in areas not covered with the building, concrete or asphalt, and asphalt parking surfaces. Use of groundwater underlying the controlled property is prohibited without treatment. Controlled property may be used for commercial and industrial use.

Description of Engineering Controls

Parcel

65.09-2-56

65.09-2-59.1

65.09-2-61.2

Engineering Control

Vapor Mitigation

Cover System

Vapor Mitigation

Cover System

Vapor Mitigation

Cover System

Box 4

Periodic Review Report (PRR) Certification Statements

Box 5

1. I certify by checking "YES" below that:
- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;
 - b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.
- YES ☒ NO ☐
2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:
- a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
 - b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
 - c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
 - d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
 - e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.
- YES ☒ NO ☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. C849004

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1, 2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

Tim Costello at 617 DINGERS ST. BUFFALO, NY 14206
Print name Print business address

am certifying as CFO (Owner or Remedial Party)
for the Site named in the Site Details Section of this form.

[Signature] 10/31/17
Signature of Owner, Remedial Party, or Designated Representative Date
Rendering Certification

IC/EC CERTIFICATIONS

Signature

Box 7

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Michael Lesakowski at 2558 Hamburg Turnpike
print name print business address

am certifying as a for the _____
(Owner or Remedial Party)

W.A.R.
Signature of, for the Owner or Remedial Party,
Rendering Certification

/
Stamp
(Required for PE)

11/1/17
Date

APPENDIX B

SITE PHOTO LOGS

PHOTOGRAPHIC LOG

Client Name: Seneca Markets I, LLC		Site Location: Watkins Glenn, New York	Project No.: 0211-001-600
Photo No. 1	Date 08/21/17		
Direction Photo Taken: East			
Description: Vegetative and hard cover within hotel area.			

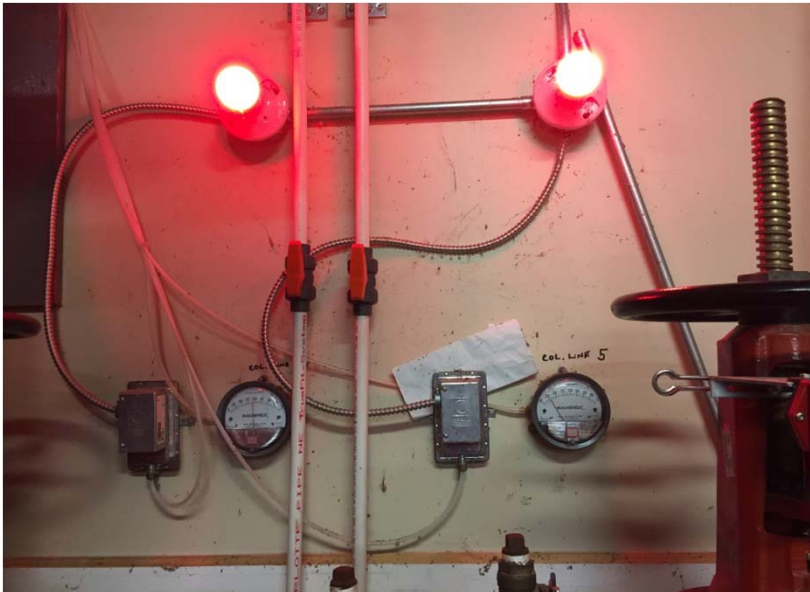
Photo No. 2	Date 08/21/17	
Direction Photo Taken: South		
Description: Vegetative and hard cover within hotel area.		

PHOTOGRAPHIC LOG

Client Name: Seneca Markets I, LLC		Site Location: Watkins Glenn, New York	Project No.: 0211-001-600
Photo No. 3	Date 08/21/17		
Direction Photo Taken: West			
Description: Vegetative and hard cover within hotel area.			

Photo No. 4	Date 08/21/17	
Direction Photo Taken: Northeast		
Description: Asphalt cover within hotel area		

Client Name: Seneca Markets I, LLC		Site Location: Watkins Glenn, New York	Project No.: 0211-001-600
Photo No. 5	Date 08/21/17		
Direction Photo Taken: East			
Description: ASD fans			

Photo No. 6	Date 08/21/17	
Direction Photo Taken: West		
Description: ASD Gauges		

PHOTOGRAPHIC LOG

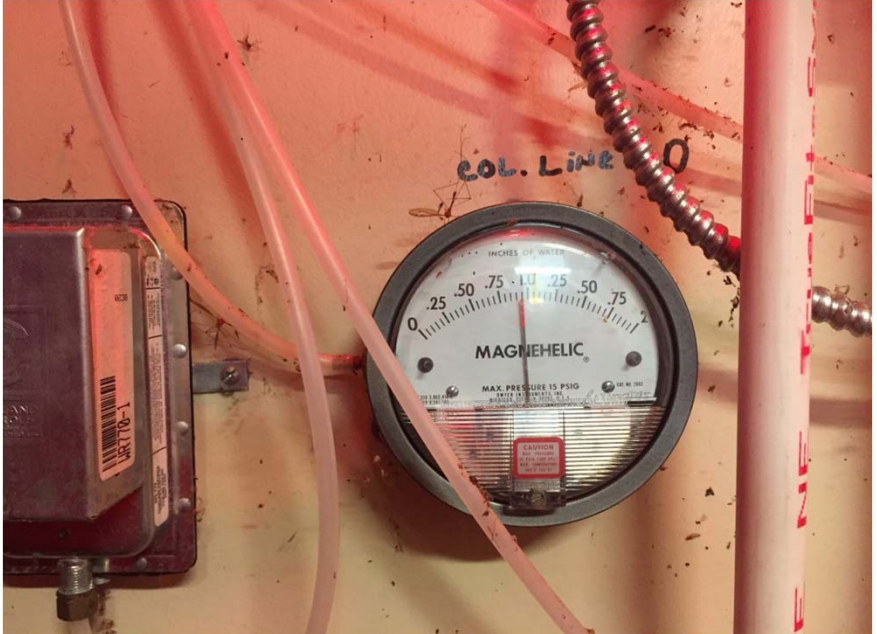
Client Name: Seneca Markets I, LLC		Site Location: Watkins Glenn, New York	Project No.: 0211-001-600
Photo No. 7	Date 08/21/17		
Direction Photo Taken: East			
Description: ASD gauge			

Photo No. 8	Date 08/21/17	
Direction Photo Taken: West		
Description: ASD gauge		

APPENDIX C

ASD PERIODIC VISUAL INSPECTION LOGS

JAN 15
MONTH

DATE	LINE 5	LINE 10	TIME
TH 1	42	91	9A
FR 2	42	91	9A
SAT 3	42	91	7A
SUN 4	44	94	8A
MON 5	46	94	8A
Tues 6	46	91	7A
Wed 7	44	91	7A
THURS 8	42	90	7A
FRI 9	44	91	9A
SAT 10	42	90	7A
SUN 11	41	91	8A
MON 12	41	90	7A
TUES 13	41	90	7A
Wed 14	41	94	7A
THUR 15	40	90	7A
FRI 16	40	90	7A
SAT 17	40	90	7A
SUN 18	41	91	8A
MON 19	41	90	8A
TU 20	41	90	9A
W 21	41	90	9A
TH 22	41	90	9A
FR 23	40	90	9A
SAT 24	40	90	7A
SUN 25	45	93	8A
MON 26	44	91	8A
TUES 27	44	95	8A
WED 28	44	90	9A
THUR 29	44	90	7A
FRI 30	44	90	9A
SAT 31	...	...	...

FEB. 2015
MONTH

DATE	LINE ⁴⁴ 5	LINE ⁹⁰ 10	TIME
2-1-SUN	.44	.74	8A
2-2 MON	.41	.90	8A
3 TUE	.41	.89	7A
4 WED	.41	.90	8A
5 TH	.40	.85	10A
6 FRI	.41	.85	7A
7 SAT	.40	.85	7A
8 SUN	.44	.92	8A
9 MON	.41	.90	8A
10 TUE	.41	.91	8A
11 WED	.40	.90	8A
12 THUR	.45	.91	8A
13 FRI	.41	.89	6A
14 SAT	.40	.89	7A
15 SUN	.41	.90	8A
16 MON	.41	.89	8A
17 TUE	.41	.89	8A
18 WED	.41	.91	8A
19 THUR	.40	.88	8A
20 FRI	.45	.90	7A
21 SAT	.40	.85	7A
22 SUN	.41	.89	8A
23 MON	.41	.89	8A
24 TUE	.41	.89	8A
25 WED	.41	.88	8A
26 TH	.42	.83	7A
27 FRI	.39	.81	7A
28 SAT	.40	.80	7A

MONTH

DATE	2015	LINE 5 ⁴⁰	LINE 10 ⁸⁰	Time
3-1 SUN SUN		.41	.91	8A
3-2		.42	.91	8A
3-3 TUES.		.05	.92	7A
4 W		.45	.90	8A
5 TH.		.45	.91	7A
6 FR		.45	.90	9A
7 SAT		.45	.90	7A
8 SUN		.41	.91	8A
9 M		.40	.90	7A
10 TU		.40	.90	8A
11 W		.45	.95	8A
12 TH		.44	.92	7A
13 FR		.42	.91	7A
14 SAT		.42	.91	7A
15 SUN		.42	.92	8A
16 MON		.42	.91	7A
17 TU		.45	.95	8A
18 W		.45	.90	8A
19 TH.		.42	.91	7A
20 FR		.44	.92	7A
21 SAT		.44	.92	7A
22 SUN		.41	.91	8A
23 MON		.40	.90	7A
24 TU		.40	.90	8A
25 W		.40	.90	8A
26 TH		.44	.91	7A
27 FR		.42	.91	8A
28 SAT		.40	.91	7A
29 SUN		.41	.91	8A
30 M		.41	.90	8A
31 TU		.41	.90	8A

MONTH

April 2015

APRIL

DATE

LINE 5

LINE 10

Time

4-1	WED	.42	.91	6:30 AM
2	TH.	.42	.90	7 AM
3	FR.	.42	.92	9 AM
4	SAT	.41	.90	7A
5	SUN	.42	.92	8A
6	MON	.42	.92	8A
7	Tue	.45	.92	6A
8	wed	.44	.92	7A
9	TH	.44	.93	6A
10	FRI	.45	.93	9A
11	SAT	.45	.93	7A
12	SUN	.43	.94	6A
13	MON	.44	.94	8A
14	TUE	.44	.93	7A
15	WED	.45	.94	7A
16	THUR	.44	.92	7A
17	FRI	.44	.93	9A
18	SAT	.44	.92	7A
19	SUN	.44	.94	8A
20	MON	.44	.94	8A
21	TU	.45	.95	8A
22	wed	.45	.94	7A
23	TH	.44	.92	7A
24	FR.	.44	.92	9A
25	SAT	.45	.91	7A
26	SUN	.44	.94	8A
27	MON	.44	.94	8A
28	Tue	.45	.94	7A
29	wed	.45	.94	7A
30	THUR.	.44	.91	7A

MONTH May 2015

DATE	LINE 5	LINE 10	TIME
5/1	99	.94	9/Am
SAT 5/2	90	45	7A
SUN 5-3	.94	.44	8A
MON 5-4	.94	.44	8A
Tue 5/5	.44	.94	7A.
Wed 5/6	.44	.94	7A.
THU 7	.44	.95	10A
FRI 8	.44	.96	.8A
SAT 9	.45	.95	7A
SUN 10	.44	.96	7A
MON 11	.44	.95	8A
Tue 12	.46	.96	7A
Wed 13	.47	.95	7A.
TH. 14	.45	.94	7A.
FRI 15	.44	.95	10:30 A
SAT 16	.44	.95	7A
SUN 17	.45	.96	7A
Mon 18	.45	.95	7A.
Tue 19	.45	.94	6:30A
Wed 20	.44	.94	7:30A.
THU 21	.44	.94	7A
FRI 22	.44	.94	7A
SAT 23	.44	.95	7A
SUN 24	.44	.96	7A
Mon. 25	.44	.95	7A
TUE 26	.44	.94	7A
WED 27	.44	.94	7A.
THUR 28	.44	.95	7A.
FRI 29	.44	.95	9A.
SAT 30	.44	.93	7A
SUN 31	.44	.91	7A

MONTH JUNE 2015

DATE	LINE 5	LINE 10	TIME
6-1 MON	44	94	7A
6-2 TUE	.44	.94	7A
3 WED	.44	.95	7A
4 THU	.45	.95	7A
5 FRI	.45	.75	9A
6 SAT	.46	.78	7A
7 SUN	.44	.95	7A
8 MON	.44	.95	7A
9 TUE	.44	.94	7A
10 WED	.44	.94	7A
11 THU	.43	.95	7A
12 FRI	.44	.94	9A
13 SAT	.75	.95	7A
14 SUN	.44	.95	7A
15 MON	.43	.94	
16 TUE	.43	.94	7A
17 WED	.44	.95	7A
18 THU	.44	.95	7A
19 FRI	.45	.96	8A
20 SAT	.45	.95	7A
21 SUN	.42	.94	7A
22 MON	.44	.95	7A
23 TUE	.44	.96	7A
24 WED	.45	.95	7A
25 THU	.43	.94	7A
26 FRI	.43	.94	7A
27 SAT	.45	.95	7A
28 SUN	.44	.95	7A
29 MON	.44	.94	7A
30 TUE	.44	.95	7A

MONTH July 2015

DATE	LINE 5	LINE 10	Time
1 wed	.43	.94	7A -
2 THU	.45	.94	7A
3 FRI	.46	.94	7A
4 SAT	.43	.95	7A
5 SUN	.43	.95	7A
6 MON	.43	.95	7A
7 TUE	.43	.95	7A
8 WED	.43	.95	7A
9 THU	.43	.95	7A
10 FRI	.43	.95	7A
11 SAT	.43	.95	7A
12 SAT	.43	.95	7A
13 MON	.43	.95	7A
14 TUE	.43	.95	7A
15 WED	.43	.95	7A
16 THU	.43	.95	7A
17 FRI	.43	.95	7A
18 SAT	.43	.95	7A
19 SUN	.43	.95	7A
20 MON	.43	.95	7A
21 TUE	.43	.95	7A
22 WED	.43	.95	7A
23 THU	.43	.95	7A
24 FRI	.43	.95	7A
25 SAT	.43	.95	7A
26 SUN	.43	.95	7A
27 MON	.43	.95	7A
28 TUE	.43	.95	7A
29 WED	.43	.95	7A
30 THU	.43	.95	7
31 FRI	.43	.95	7

MONTH aug 2015

DATE	LINE ⁴³ 5	LINE ⁹⁵ 10	Time
SAT 1	44	96	7A
Sun 2	44	96	7A
Mon 3	44	96	7A
Tues 4	44	96	7A
Wed 5	44	96	7A
Thur. 6	44	96	8-A
Fri 7	44	96	7A
SAT 8	44	96	7A
SUN 9	44	96	7A
Mon 10	44	96	7A
TUES 11	44	96	7A
Wed 12	44	96	7A
Thur. 13	44	96	7-A
Fri. 14	44	96	7-A-
SAT 15	44	96	7A
Sun 16	44	96	10A
M 17	44	96	6:30A
TU 18	45	95	6:30
W 19	45	96	6:30
THUR 20	45	96	7-A
Fri 21 st	45	96	7A
SAT 22	45	96	7A
SUN 23	45	96	7A
M 24	45	96	7A
TU 24	45	96	7A
W 24	45	96	7A
thur. 27	45	96	7A
Fri 28 th	45	96	7A
Sat 29	45	96	7A
SUN 30 th	45	96	7A

MONTH Sept 2015

DATE	LINE 5	LINE 10	Time
TU 9/1	45	96	6:30 A
W 9/2	45	96	6:30 A
TH 9/2	45	96	6:30 A
FRI 9-21	45	96	6:30 A
8/21 9/5	45	96	7:00 A
SUN 9/6	45	96	6:30
M 9/7	45	96	7:00 A
T 9/8	45	96	6:30
W 9/9	45	96	6:30
TH 9/10	45	96	6:30
F 9/11	45	96	7 A
S 9/12	45	96	6 A
M 9/13	45	96	6 A
T 9/14	45	96	7 A
W 9/15	45	96	6:30 A
TH 9/16	45	96	6:30 A
F 9/17	45	96	7 A
S 9/18	45	96	6:30
8/18 9/19	45	96	6:30
W 9/20	45	96	7 A
TH 9/21	45	96	7 A
F 9/22	45	96	7 A
S 9/23	45	96	7 A
8/23 9/24	45	96	7 A
T 9/25	45	96	6:30
W 9/26	45	96	6:30
TH 9/27	45	96	7:00 A
F 9/28	45	96	6:30 A
S 9/29	45	96	6:30
8/29 9/29	45	96	7:00 A

MONTH Oct. 2015

DATE	LINE 5	LINE 10	TIME
Thur Oct 1 st	45	96	7A
Fri Oct 2	45	96	6 ³⁰
Sat Oct 3	45	96	6 ³⁰
Sun Oct 4	45	96	6 ³⁰
Mon Oct 5	45	96	6 ³⁰
Tu Oct 6	45	96	6 ³⁰
W Oct 7	45	96	6 ³⁰
Thur Oct 8 th	45	96	7A
Fri Oct 9	45	96	6 ³⁰
Sat Oct 10	45	96	6 ³⁰
Sun Oct 11	45	96	7 ⁰⁰
Mon Oct 12	45	96	6 ³⁰
Tu Oct 13	45	96	6A
W Oct 14	45	96	6 ³⁰
Thur Oct 15 th	45	96	7A
Fri Oct 16	45	96	6 ³⁰
Sat Oct 17	45	96	6 ³⁰
Sun Oct 18	45	96	7 ⁰⁰
Mon Oct 19	45	96	6 ³⁰
Tu Oct 20	45	96	6 ³⁰
W Oct 21	45	93	6 ³⁰
Thur Oct 22 nd	45	96	7A
Fri Oct 23	45	96	6 ³⁰
Sat Oct 24	45	96	6 ³⁰
Sun Oct 25	45	96	6 ³⁰
Mon Oct 26	45	96	6 ³⁰
Tu Oct 27	45	96	7
W Oct 28	45	96	6
Thur Oct 29 th	45	96	7 ⁰⁰
Fri Oct 30	45	96	7A
Sat Oct 31	45	96	6 ³⁰

MONTH Nov 2015

DATE	LINE 5	LINE 10	TIME
NOV 1	.53	.98	7:00
NOV 2	.53	.98	6:30
NOV 3	.53	.98	6:30
NOV 4	.53	.98	6:30 A
NOV 5	.53	.98	7:00 A
NOV 6	.53	.98	6:30 A
NOV 7	.53	.98	6:30 A
NOV 8	.53	.95	7:00 A
NOV 9	.40	.93	6:30 A
NOV 10	.40	.90	6:30 A
NOV 11	.40	.90	6:30
NOV 12	.40	.90	7:00
NOV 13	.40	.90	6:30 A
NOV 14	.40	.95	6:30 A
NOV 15	.40	.90	7:00 A
NOV 16	.40	.90	6:30 A
NOV 17	.40	.90	6:30 A
NOV 18	.40	.90	6:30 A
NOV 19	.40	.90	7:30 A
NOV 20	.40	.91	6:30 A
NOV 21	.40	.92	6:30
NOV 22	.40	.91	7:00 A
NOV 23	.40	.91	6:30
NOV 24	.40	.91	6:30 A
NOV 25	.40	.91	6:30 A
NOV 26	.40	.91	6:30
NOV 27	.40	.91	5:00
NOV 28	.40	.91	6:30
NOV 29	.40	.91	6:00
NOV 30	.40	.91	6:30

MONTH DEC 2015

DATE	LINE ⁴⁰ 5	LINE ⁹¹ 10	Time
TO 1	40	91	6 30 A
WE 2	40	91	7:00 A
TH 3	40	91	7:00 A
FR 4	40	91	7:00 A
TU 5	40	91	7:00 A
SUN 6	40	91	7 A
M 7	40	91	7:00 A
TUE 8	40	91	7 A
WE 9	40	91	7:00 A
TH 10	40	91	7:00 A
FR 11	40	95	6 30 A
SAT 12	40	95	6 30 A
SUN 13	40	95	6 30 A
M 14	40	95	7:00 A
TU 15	40	95	6 30 A
WE 16	40	95	6 30 A
TH 17	40	95	6 30 A
FR 18	40	95	7:00 A
SAT 19	40	95	6 30 A
SUN 20	40	95	7:00 A
M 21	40	95	7:00 A
TU 22	40	95	6 30 A
W 23	40	96	6 30
TH 24	40	96	6 A
FR 25	40	96	6 A
SAT 26	40	96	6 30 A
SUN 27	40	96	6 30 A
M 28	40	96	6 30 A
TU 29	40	96	6 30 A
W 30	40	96	6 A
TH 31	40	96	6 A

DRAWN LINES

DRAWN LINES

MONTH JAN 2016

DATE	⁴⁰ LINE 5	⁹⁶ LINE 10	Time
Fri 1	40	96	6 AM
SAT 2	40	96	6A
SUN 3	40	96	7 AM
MON 4	40	95	6A
TUE 5	40	95	6A
WED 6	40	95	7 AM
THU 7	40	95	7 AM
FR 8	40	95	7 AM
SAT 9	40	95	6A
SUN 10	40	95	7 AM
MON 11	40	95	7 AM
TUE 12	40	95	6 AM
WED 13	40	95	6A
THU 14	40	95	7 AM
Fri 15	40	95	6A
SAT 16	40	95	6A
SUN 17	40	95	7 AM
MON 18	40	95	6A
TUE 19	40	95	7 AM
WED 20	40	95	7 AM
THU 21	40	95	7 AM
Fri 22	40	95	6A
SUN 24	40	95	7 AM
MON 25	40	95	6A
TUE 26	40	95	7 AM
WED 27	40	95	6A
THU 28	40	95	7 AM
Fri 29	40	95	6A
SAT 30	40	95	6A
SUN 31	40	95	6A

Drain Pipe

Med Pipe

Drain Pipe

MONTH FEB 2016

DATE	LINE 5	LINE 10	TIME
M 2/1	40	96	GA
T 2/2	40	96	GA
W 2/3	40	96	GA
Th 2/4	40	96	GA
F 2/5	40	96	GA
SAT 2/6	40	96	GA
Su 2/7	40	96	GA
M 2/8	40	96	GA
Tu 2/9	40	96	GA
W 2/10	40	96	GA
Th 2/11	40	96	GA
F 2/12	40	96	GA
SAT 2/13	40	96	GA
Su 2/14	40	96	GA
Mon 2/15	40	96	GA
Tu 2/16	40	96	GA
W 2/17	40	96	GA
Th 2/18	40	96	GA
F 2/19	40	96	GA
SAT 2/20	40	96	GA
Su 2/21	40	96	GA
M 2/22	40	96	GA
Tu 2/23	40	96	GA
W 2/24	40	96	GA
Th 2/25	40	96	GA
F 2/26	40	96	GA
SAT 2/27	40	96	GA
Su 2/28	40	96	GA
M 2/29	40	96	GA

MONTH March 2016

DATE	LINE 5 ⁴⁰	LINE 9 ⁴⁰ 10	Time
Tu 3/1		96	6A
W 3/2	Drum Pipes 40	96	6A
TH 3/3	40	96	6A
Fri 3/4	40	96	6A
	40	96	6A
Sun 3/6			
Mon 3/7	Drum Pipes 40	96	7A
Tu 3/8	40	96	6A
W 3/9	40	96	6A
TH 3/10	40	96	6A
Fr 3/11	40	96	7A
Sat		96	6A
Sun 3/13	40		
Mon 3/14	40	96	6A
Tu 3/15	40	96	7A
W 3/16	40	96	6A
TH 3/17	40	96	6A
Fr 3/18	40	96	7A
Sat 3/19	40	96	7A
Sun 3/20	40	96	7A
M 3/21	Drum Pipes 40	96	7A
Tu 3/22	40	96	6A
W 3/23	40	96	6A
TH 3/24	40	96	6A
Fr 3/25	Drum Pipes 40	96	6A
Sat 3/26	40	96	6A
Sun 3/27	40	96	6A
M 3/28	40	96	6A
Tu 3/29	40	96	6A
W 3/30	40	96	6A
Th 3/31	40	96	6A

MONTH April 2016

DATE	LINE 5	40	LINE 10	96	Time
4/1 Fri		40	96	6A	DW
4/2 Sat		40	96	6A	DW
4/3 Sun		40	96	7A	mm
4/4 Mon	Drunk	40	96	7A	DW
4/5 Tue		40	96	6A	DW
4/6 Wed		40	96	6A	DW
4/7 Thu		40	96	7A	mm
4/8 Fri		40	96	6A	DW
4/9 Sat		40	96	6A	DW
4/10 Sun		40	96	6A	DW
4/11 Mon	Drunk	40	96	6A	DW
4/12 Tue		40	96	6A	DW
4/13 Wed		40	96	6A	DW
4/14 Thu		40	96	6A	DW
4/15 Fri		40	96	6A	DW
4/16 Sat		40	96	6A	DW
4/17 Sun		40	96	7A	mm
4/18 Mon	Drunk	40	96	6A	DW
4/19 Tue		40	96	6A	DW
4/20 Wed		40	96	6A	DW
4/21 Thu		40	96	6A	DW
4/22 Fri		40	96	6A	DW
4/23 Sat		40	96	6A	DW
4/24 Sun		40	96	6A	DW
4/25 Mon		40	96	7A	mm
4/26 Tue		40	96	6A	DW
4/27 Wed		40	96	7A	mm
4/28 Thu		40	96	6A	DW
4/29 Fri		40	96	6A	DW
4/30 Sat		40	96	7A	DW

TH May 2016

DATE	LINE 5	LINE 10	Time
SUN 5-1-16	40	96	7Amm
MW 5/2/16	40	96	6A Dec
TV 5/3/16	40	96	6A Dec
W 5/4/16	40	96	7Amm
TH 5/5/16	40	96	6A
FR 5/6/16	40	96	7Amm
SAT 5-7-16	40	96	7A TC
SUN 5/8/16	40	96	6A Dec
M 5/9/16	40	96	6A
TV 5/10/16	40	96	6A
W 5/11/16	40	96	6A
TH 5/12/16	40	96	6A
FR 5/13/16	40	96	6A
SAT 5/14/16	40	96	6A
SUN 5/15/16	40	96	7A TC
M 5/16/16	40	96	Dec
TV 5/17/16	40	96	6A Dec
W 5/18/16	40	96	6A Dec
TH 5/19/16	40	96	6A
F 5/20/16	40	96	6A Dec
SAT 5/21-16	40	96	6A Dec
M 5/22/16	40	96	7A TC
T 5/23/16	40	96	6A Dec
W 5/24/16	40	96	6A
TH 5/25/16	40	96	6A
F 5/26/16	40	96	6A
SAT 5-27	40	96	6A
M 5-28	40	96	7A TC
W 5/29/16	40	96	7A
TH 5/30/16	40	96	7
F 5/31	40	96	

MONTH June 16

DATE	LINE 5 40	LINE 10 96	TIME
6/1/16	40	96	6A 12
6/2/16	40	96	6A 12
6/3/16	40	96	6A
6-4-16	40	96	6A
6-5/16 Sun	40	96	7A 7
6-6/16 M	40	96	6A 12
6/7/16 T <i>miss</i>	40	96	6A
6/8/16 W	40	96	6A
6/9/16 TH	40	96	6A
6/10/16 Fri	40	96	6A
6/11/16 SAT	40	96	6A
6/12/16 SUN	40	96	7A ^{me}
6/13/16 M <i>miss</i>	40	96	5A ^{am}
6/14/16 TU	40	96	6A
6/15/16 W	40	96	6A
6/16/16 TH	40	96	6A
6/17/16 FR	40	96	5A
6/18/16 SAT	40	96	5A
6/19/16 SUN	40	96	6A
6-20/16 MON	40	96	5A
6-21-16 TUE	40	96	5A
6-22-16 WED	40	96	5A
6-23-16 TH	40	96	5A
6/24/16 Fri	40	96	6A
6/25/16 SAT	40	96	6A
6/26/16 SUN	40	96	5A
6/27/16 M	40	96	6A
6/28/16 T	40	96	6A
6/29/16 W <i>miss</i>	40	96	6A
6/30/16 TH	40	96	6A

MONTH JULY 2016

DATE	LINE 5	40	LINE 10	96	Time
7/1/16 F		40			
7/2/16 S		40		96 6A	du
7-3/16		40		96 6A	du
7/4/16		40		96 5A	man
7/5/16		40		96 6A	du
7/6/16	Dumbles	40		96 6A	du
7/7/16		40		96 6A	du
7/8/16 Fr		40		96 6A	du
7/9/16 SAT		40		96 6A	du
7/10/16 Sun		40		96	du
7/11/16 M	du	40		96 5A	man
7/12/16 Tu		40		96 6	du
7/13/16 W		40		96 6	du
7/14/16 Th		40		96 6	du
7/15/16 Fr		40		96 6	du
7/16/16 SAT		40		96 1	du
7/17/16 Sun		40		96 8A	du
7/18/16 M		40		96 5A	man
7/19/16 T		40		96 6A	du
7/20/16 W		40		96 6A	du
7/21/16 Th		40		96 6A	du
7/22/16 Fr		40		96 6A	du
7/23/16 Sun		40		96 6A	du
7/24/16 M		40		96 5A	man
7/25/16 Tu		40		96 6A	du
7/26/16 W		40		96 6A	du
7/27/16 Th		40		96 6A	du
7/28/16 Fr		40		96 6A	du
7/29/16 SAT		40		96 6A	du
7/30/16 SAT		40		96 730A	du

MONTH Aug

DATE	LINE 5	LINE 10	Time
8/1 Mon	40	96 6A	ad
8/2 Tu	40	96 6A	du
8/3 W	40	96 6A	de
8/4 Th	40	96 6A	de
8/5 Fri	40	96 6A	de
8/6 SAT	40	96 6A	du
8/7 Du	40	96 5A	mm
8/8 M	40	96 5A	du
8/9 Tu	40	96 6A	du
8/10 Wed	40	96 6A	de
8/11 Th	40	96 5A	mm
8/12 Fri	40	96 6A	du
8/13 SAT	40	96 6A	du
8/14 Sun	40	96 5A	mm
8/15 M	40	96 5A	mm
8/16 Tu	40	96 6A	du
8/17 W	40	96 6A	du
8/18 Th	40	96 6A	du
8/19 Fri	40	96 6A	du
8/20 SAT	40	96 6A	du
8/21 Sun	40	96 730A	mm
8/22 M	40	96 5A	mm
8/23 Tu	40	96 6A	du
8/24 W	40	96 6A	du
8/25 Th	40	96 6A	du
8/26 F	40	96 6A	du
8/27 SAT	40	96 6A	du
8/28 SUN	40	96 7A	mm
8/29 M	40	96 5A	mm
8/30 Tue	40	96 6A	du
8/31 Wed	40	96 7A	mm

Dur tuber

Dur tuber

D.E.C.
Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	SEPT 2016				
	TH 1	40	96	6AM	DW
	FR 2	40	96	6AM	DW
	SAT 3	40	96	6AM	DW
	SUN 4	40	96	5AM	mm
	MON 5	40	96	6A	DW
	TUE 6	40	96	6A	DW
	W 7	40	96	6A	DW
	TH 8	40	96	6A	DW
	FR 9	40	96	6A	DW
	SAT 10	40	96	6A	DW
	SUN 11	40	96	5A	mm
	MON 12	40	96	5A	mm
	TUE 13	40	96	5A	mm
	W 14	40	96	6A	DW
	TH 15	40	96	6A	DW
	FR 16	40	96	6A	DW
	SAT 17	40	96	7A	DP
	SUN 18	40	96	5A	DW
	M 19	40	96	5A	DW
Dir Reps	TU 20	40	96	5A	DW
	W 21	40	96	5A	DW
	TH 22	40	96	5	DW
	FR 23	40	96	6	DW
	SAT 24	40	96	6	DW
	SUN 25	40	96	6	DW
	M 26	40	96	6A	DW
	TU 27	40	96	6A	DW
	W 28	40	96	6A	DW
	29				
	F 30	40	96	6:45A	DW
	31				

D.E.C.
Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO	
	OCT 16	40	96	7A	DHF	
	1					
	Sunday	2	40	96	6A	mm
the Day	Mon	3	40	96	6A	DW
	TU	4	40	96	6A	ce
	W	5	40	96	6A	ce
	TH	6	40	96	6A	ce
	FR	7	40	96	6A	DW
	SAT	8	40	96	6A	ce
	SUN	9	40	96	6A	mm
the Day	M	10	40	96	6A	DW
	TU	11	40	96	6A	ce
	W	12	40	96	6A	DW
	TH	13	40	96	6A	DW
	FR	14	40	96	6	ce
	SAT	15	40	96	6	ce
	SUN	16	40	96	6A	mm
	Mon	17	40	96	6A	ce
	TU	18	40	96	6A	ce
	W	19	40	96	6A	ce
	TH	20	40	96	6A	mm
	FR	21	40	96	6A	ce
	SAT	22	30	95	6A	DHF
	Sun	23	40	95	6A	mm
	M	24	40	95	6A	DW
	TU	25	40	95	6A	DW
	W	26	40	95	6A	ce
	TH	27	40	95	6A	mm
	FR	28	40	95	6A	DHF
	SAT	29	40	95	6A	DHF
	SUN	30	40	95	6A	mm
	W	31	40	95	6A	ce

D.E.C.
Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	NOV	40	96		
Druid	Tues M	40	96	6A	DW
	TU 2	40	96	6A	DW
	TH 3	40	96	6A	mm
	FRI 4	40	96	6A	DHF
	SAT 5	40	96	6A	DHF
	SUN 6	40	96	6A	mm
	MON 7	40	96	6A	mm
	TUE 8	40	96	6A	mm
	WE 9	40	96	6A	mm
	TH 10	40	96	6A	mm
	FRI 11	40	96	6A	DHF
	SAT 12	40	96	6A	DHF
Druid	Sun 13	40	96	6A	DW
	M 14	40	96	6A	DW
	TU 15	40	96	6A	mm
	W 16	40	96	6A	DW
	TH 17	40	96	6A	mm
	FRI 18	40	96	6A	DHF
	SAT 19	40	96	6A	DHF
	SUN 20	40	96	6A	mm
	M 21	40	96	6A	DW
Druid	TH 22	40	96	6A	mm
	W 23	40	96	6A	DW
	TH 24	40	96	6A	DW
	FRI 25	40	96	5A	DW
	SAT 26	40	96	6A	DHF
	SUN 27	40	96	6A	mm
	MON 28	40	96	6A	mm
	TUE 29	40	96	6A	mm
	WE 30	40	96	6A	mm
	31				

D.E.C.
Brown water Monitoring

	MONTH		LINE 5	LINE 10	TIME	WHO
	Dec					
	12-1	1	40	96	6 A	mm
	12-2	2	40	96	6 A	DHF
	12-3	3	40	96	6 A	DHF
	12-4	4	40	96	6 A	mm
	12-5	5	40	96	6 A	mm
	12-6	6	28	96	6 A	mm
	12-7	7	40	96	6 A	mm
	12-8	8	40	96	6 A	mm
	12-9	9	40	96	6 A	DHF
	12-10	10	40	96	6 A	DHF
	12-11	11	40	96	6 A	mm
	12-12	12	40	96	6 A	mm
	12-13	13	40	96	6 A	mm
	12-14	14	40	96	6 A	mm
	12-15	15	40	96	6 A	mm
	12-16	16	40	96	6 A	DHF
	12-17	17	40	96	6 A	DHF
	12-18	18	40	96	6 A	mm
	12-19	19	40	96	6 A	mm
	12-20	20	40	96	6 A	mm
	12-21	21	40	96	6 A	mm
TH	12/22	22	40	96	6 A	Dec
FR 1	12/23	23	40	96	6 A	DHF
SAT	12/24	24	40	96	6 A	DHF
Sun	12/25	25	40	96	6 A	Dec
MON	12/26	26	40	96	6 A	mm
	12/27	27	40	96	6 A	mm
TUE	12/28	28	40	96	6 A	mm
	12/29	29	40	96	6 A	mm
FR 1	12/30	30	40	96	6 A	DHF
SAT	12/31	31	40	96	6 A	DHF

D.E.C.
Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	JAN 2017				
Sun	12/1	1	40	96	6A Du
MON	Dried tubes	2	40	96	6A Du
TUE		3	40	96	6A mm
WE		4	40	96	6A mm
TH		5	40	96	6A Du
FRI	1/6/17	6	40	96	6A DHP
FRI		7	40	96	6A DHP
Sun		8	40	96	6A mm
MON		9	40	96	6A mm
TUE		10	40	96	6A mm
W		11	40	96	6A Du
THU		12	40	96	6A mm
FRI		13	40	96	6A DHP
SAT		14	40	96	6A DHP
Sun		15	40	96	6A mm
MON		16	40	96	6A mm
TUE		17	40	96	6A mm
WE		18	40	96	6A mm
TH		19	40	96	6A mm
FRI		20	40	96	6A DHP
SAT		21	40	96	6A DHP
Sun		22	40	96	6A mm
MON		23	40	96	6A mm
TUE		24	40	96	6A mm
WE		25	40	96	6A mm
THU	chance Piss	26	40	96	6A mm
FRI		27	40	96	6A DHP
SAT		28	40	96	6A DHP
Sun		29	40	96	6A mm
MON		30	40	96	6A mm
TUE		31	40	96	6A mm

~~FEB~~ 17

D.E.C.

Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
WE	1	99	42	6 A	MM
THUR	2	99	42	6 A	DHF
FRI	3	99	42	6 A	DHF
SAT	4	99	42	6 A	DHF
SUN	5	99	42	6 A	mm
MON	6	99	42	6 A	mm
TUE	7	99	42	6 A	mm
WE	8	99	42	6 A	mm
TH	9	99	42	6 A	mm
FR.	10	99	42	6 A	mm
SAT	11	99	42	6 A	DHF
SUN	12	99	42	6 A	mm
M	13	99	42	6 A	DW
TU	14	99	42	6 A	DW
WEN	15	99	42	6 A	mm
TH	16	99	42	6 A	DW
FRI	17	99	42	6 A	DHF
SAT	18	99	42	6 A	DHF
SUN	19	99	42	6 A	mm
MON	20	99	42	6 A	mm
TU	21	99	42	6 A	mm
WE	22	99	42	6 A	mm
TH	23	99	42	6 A	mm
FRI	24	99	42	6 A	DHF
SAT	25	99	42	6 A	DHF
SUN	26	99	42	6 A	mm
MON	27	99	42	6 A	mm
TUE	28	99	42	6 A	mm
	29				
	30				
	31				

and
Tues

D.E.C.
Brown water Monitoring

17

	MONTH	LINE 5	LINE 10	TIME	WHO
	MARCH				
WE	1	99	42	6 A	mm
THU	2	99	42	6A	mm
FRI	3	99	42	6A	DHK
SAT	4	99	42	6A	DHK
SUN	5	99	30	6A	DW
MON	6	99	42	6A	mm
TUE	7	99	42	6A	mm
W	8	99	35	6A	DW
THU	9	99	32	6A	mm
FRI	10	99	32	6A	DHK
	11				
SUN	12	99	32	6A	mm
MON	13	99	32	6A	mm
TU	14	99	32	6A	DW
WEN	15	99	32	6A	mm
THU	16	99	42	6A	mm
FRI	17	99	32	6A	DHK
SAT	18	99	32	6A	DHK
SUN	19	99	32	6A	mm
MON	20	99	32	6A	mm
TUE	21	99	32	6A	mm
WE	22	99	32	6A	mm
TH	23	99	32	6A	mm
FRI	24	99	32	6A	DHK
SAT	25	99	32	6A	DHK
SUN	26	99	32	6A	mm
MON	27	99	32	6A	mm
TUE	28	99	32	6A	mm
WE	29	99	32	6A	mm
	30	99	32	6A	mm
FRI	31	99	32	6A	DHK

APRIL 17

D.E.C.
Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO	
SAT		1	99	32	6A	DF
Sun		2	99	32	5A	mm
M		3	99	32	5A	mm
T		4	99	32	5A	mm
W		5	99	32	5A	mm
Th		6	99	32	5A	mm
F		7	99	32	5A	DF
SAT		8	99	32	5A	DF
Sun		9	99	32	5A	mm
M		10	99	32	5A	mm
Tu		11	99	32	5A	mm
W		12	99	32	5A	mm
Th		13	99	32	5A	mm
F		14	99	32	5A	DF
SAT		15	99	32	5A	DF
Sun		16	99	32	5A	mm
M		17	99	32	5A	mm
Tu		18	99	32	5A	mm
W		19	99	32	5A	mm
Th		20	99	32	5A	mm
F		21	99	32	5A	DF
SAT		22	99	32	5A	DF
Sun		23	99	32	5A	mm
M		24	99	32	5A	mm
Tu		25	99	32	5A	mm
W		26	99	32	5A	mm
Th		27	99	32	5A	mm
Fr		28	99	32	5A	DF
SAT		29	99	32	5A	DF
Sun		30	99	32	5A	DF
		31				

MAY 20 17

D.E.C.
Brown water Monitoring

	MONTH	LINE 5 ²⁹	LINE 10 ^{3,4}	TIME ⁰	WHO ⁻⁻⁻
	mon	1	99	3.2	6A mm
Duties	TUE	2	99	3.2	6A mm
	W	3	99	3.2	6A mm
	TH	4	99	3.2	6A mm
	FRI	5	99	3.2	6A mm
	SAT	6	99	3.2	6A mm
	SUN	7	99	3.2	6A mm
	MON	8	99	3.2	6A mm
	TUE	9	99	3.2	6A mm
	WE	10	99	3.2	6A mm
	THY	11	99	3.2	6A mm
	FRI	12	99	3.2	6A mm
	SAT	13	99	3.2	6A mm
	SUN	14	99	3.2	6A mm
	MON	15	99	3.2	6A mm
	TUE	16	99	3.2	6A mm
	WE	17	99	3.2	6A mm
	THY	18	99	3.2	6A mm
	FRI	19	99	3.2	6A mm
	SAT	20	99	3.2	6A mm
	SUN	21	99	3.2	6A mm
	MON	22	99	3.2	6A mm
	TU	23	99	3.2	6A mm
	WED	24	99	3.2	6A mm
	THY	25	99	3.2	6A mm
	FRI	26	99	3.2	6A mm
	SAT	27	99	3.2	6A mm
	SUN	28	99	3.2	5A mm
	MON	29	99	3.2	5A mm
	TU	30	99	3.2	5A mm
	WE	31	99	3.2	5A mm

D.E.C.
Brown water Monitoring

	MONTH	JUNE	LINE 5	LINE 10	TIME	WHO
THU			9			
THU		1	99	32.	6A	mm
FRI		2	99	32	5A	DHR
SAT		3	99	32	5A	DHR
SUN		4	99	32	5A	mm
MON		5	99	32.	5A	mm
TUE		6	99	32	5A	mm
WE		7	99	32	5A	mm
TH		8	99	32	5A	mm
FRI		9	99	32	5A	DHR
SAT		10	99	32	5A	DHR
SUN		11	99	32	5A	mm
MON		12	99	32	5A	mm
TUE		13	99	32	5A	mm
WE		14	99	32	5A	mm
TH		15	99	32	5A	mm
FRI		16	99	32	5A	DHR
SAT		17	99	32	5A	DHR
SUN		18	99	32	5A	mm
MON		19	99	32	5A	mm
TUE		20	99	32	5A	mm
WE		21	99	32	5A	mm
TH		22	99	32	5A	mm
FRI		23	99	32	5A	mm
SAT		24	99	32	5A	mm
SUN		25	99	32	5A	mm
MON		26	99	32	5A	mm
TUE		27	99	32	5A	mm
WE		28	99	32	5A	mm
TH		29	99	32	5A	mm
FRI		30	99	32	5A	mm
		31				

D.E.C.
Brown water Monitoring

	MONTH	LINE 5	LINE 10	TIME	WHO
	July	99	32		
SAT	1	99	32	5AM	mm
SUN	2	99	32	5AM	mm
MON	3	99	32	5AM	mm
TUE	4	99	32	5AM	mm
WE	5	99	32	5AM	mm
THU	6	99	32	5AM	mm
FW	7	99	32	5AM	mm
SAT	8	99	32	5AM	mm
SUN	9	99	32	7AM	mm
MON	10	99	32	5A	mm
TUE	11	99	32	5A	mm
WE	12	99	32	5A	mm
THU	13	99	32	5A	mm
FRI	14	99	32	5A	DATA
SAT	15	99	32	5A	DATA
SUN	16	99	32	5A	mm
MON	17	99	32	5A	mm
TUE	18	99	32	5A	mm
WE	19	99	32	5A	mm
THU	20	99	32	5A	mm
FRI	21	99	32	5A	DATA
SAT	22	99	32	5A	DATA
SUN	23	99	32	5A	mm
MON	24	99	32	5A	mm
TUE	25	99	32	5A	mm
WE	26	99	32	5A	mm
TH	27	99	32	5A	mm
FRI	28	99	32	5A	mm
SAT	29	99	32	5A	mm
SUN	30	99	32	5A	mm
MON	31	99	32	5A	mm

APPENDIX D

LABORATORY ANALYTICAL DATA PACKAGES



ANALYTICAL REPORT

Lab Number:	L1520582
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 856-0599
Project Name:	SENECA MARKETS GWM 2015
Project Number:	0211-001-600
Report Date:	09/02/15

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: SENECA MARKETS GWM 2015
Project Number: 0211-001-600

Lab Number: L1520582
Report Date: 09/02/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1520582-01	MW-15R	WATER	Not Specified	08/24/15 10:20	08/25/15
L1520582-02	MW-4S	WATER	Not Specified	08/24/15 09:37	08/25/15
L1520582-03	MW-7S	WATER	Not Specified	08/24/15 09:43	08/25/15
L1520582-04	MW-9S	WATER	Not Specified	08/24/15 09:52	08/25/15
L1520582-05	MW-10S	WATER	Not Specified	08/24/15 10:12	08/25/15
L1520582-06	MW-35R	WATER	Not Specified	08/24/15 09:14	08/25/15
L1520582-07	MW-21S	WATER	Not Specified	08/24/15 08:57	08/25/15
L1520582-08	TRIP BLANK	WATER	Not Specified	08/24/15 00:00	08/25/15

Project Name: SENECA MARKETS GWM 2015
Project Number: 0211-001-600

Lab Number: L1520582
Report Date: 09/02/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: SENECA MARKETS GWM 2015
Project Number: 0211-001-600

Lab Number: L1520582
Report Date: 09/02/15

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cynthia McQueen

Title: Technical Director/Representative

Date: 09/02/15

ORGANICS

VOLATILES

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-01
Client ID: MW-15R
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 11:29
Analyst: PD

Date Collected: 08/24/15 10:20
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	38		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.31	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	13		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-01**Date Collected:** 08/24/15 10:20**Client ID:** MW-15R**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.72	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	83		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	96		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-02
Client ID: MW-4S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 12:03
Analyst: PD

Date Collected: 08/24/15 09:37
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.78	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-02**Date Collected:** 08/24/15 09:37**Client ID:** MW-4S**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-03
Client ID: MW-7S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 12:37
Analyst: PD

Date Collected: 08/24/15 09:43
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	1.7		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-03**Date Collected:** 08/24/15 09:43**Client ID:** MW-7S**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.5		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	2.6	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.46	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	94		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-04
Client ID: MW-9S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 13:11
Analyst: PD

Date Collected: 08/24/15 09:52
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	0.39	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-04**Date Collected:** 08/24/15 09:52**Client ID:** MW-9S**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-05
Client ID: MW-10S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 13:44
Analyst: PD

Date Collected: 08/24/15 10:12
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-05**Date Collected:** 08/24/15 10:12**Client ID:** MW-10S**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	93		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-06
Client ID: MW-35R
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 14:18
Analyst: PD

Date Collected: 08/24/15 09:14
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-06**Date Collected:** 08/24/15 09:14**Client ID:** MW-35R**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	0.77	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	93		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-07
Client ID: MW-21S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/31/15 14:52
Analyst: PD

Date Collected: 08/24/15 08:57
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-07**Date Collected:** 08/24/15 08:57**Client ID:** MW-21S**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	91		70-130

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS**

Lab ID: L1520582-08
Client ID: TRIP BLANK
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/15 13:10
Analyst: PD

Date Collected: 08/24/15 00:00
Date Received: 08/25/15
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**SAMPLE RESULTS****Lab ID:** L1520582-08**Date Collected:** 08/24/15 00:00**Client ID:** TRIP BLANK**Date Received:** 08/25/15**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	2.0	J	ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	89		70-130

Project Name: SENECA MARKETS GWM 2015

Lab Number: L1520582

Project Number: 0211-001-600

Report Date: 09/02/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/15 10:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG816248-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SENECA MARKETS GWM 2015

Lab Number: L1520582

Project Number: 0211-001-600

Report Date: 09/02/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/27/15 10:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG816248-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/27/15 10:54

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG816248-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	89		70-130

Project Name: SENECA MARKETS GWM 2015

Lab Number: L1520582

Project Number: 0211-001-600

Report Date: 09/02/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/15 10:55
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG817274-3					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SENECA MARKETS GWM 2015

Lab Number: L1520582

Project Number: 0211-001-600

Report Date: 09/02/15

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/31/15 10:55
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG817274-3					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SENECA MARKETS GWM 2015**Lab Number:** L1520582**Project Number:** 0211-001-600**Report Date:** 09/02/15**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/31/15 10:55

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG817274-3					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG816248-1 WG816248-2								
Methylene chloride	91		89		70-130	2		20
1,1-Dichloroethane	92		90		70-130	2		20
Chloroform	83		81		70-130	2		20
2-Chloroethylvinyl ether	77		80		70-130	4		20
Carbon tetrachloride	118		114		63-132	3		20
1,2-Dichloropropane	85		82		70-130	4		20
Dibromochloromethane	75		71		63-130	5		20
1,1,2-Trichloroethane	84		82		70-130	2		20
Tetrachloroethene	82		76		70-130	8		20
Chlorobenzene	81		76		75-130	6		20
Trichlorofluoromethane	87		84		62-150	4		20
1,2-Dichloroethane	86		83		70-130	4		20
1,1,1-Trichloroethane	81		78		67-130	4		20
Bromodichloromethane	80		77		67-130	4		20
trans-1,3-Dichloropropene	74		72		70-130	3		20
cis-1,3-Dichloropropene	74		73		70-130	1		20
1,1-Dichloropropene	84		82		70-130	2		20
Bromoform	78		72		54-136	8		20
1,1,2,2-Tetrachloroethane	86		82		67-130	5		20
Benzene	83		80		70-130	4		20
Toluene	86		80		70-130	7		20

Lab Control Sample Analysis Batch Quality Control

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG816248-1 WG816248-2								
Ethylbenzene	86		81		70-130	6		20
Chloromethane	88		111		64-130	23	Q	20
Bromomethane	116		111		39-139	4		20
Vinyl chloride	88		88		55-140	0		20
Chloroethane	134		135		55-138	1		20
1,1-Dichloroethene	82		76		61-145	8		20
trans-1,2-Dichloroethene	84		77		70-130	9		20
Trichloroethene	84		80		70-130	5		20
1,2-Dichlorobenzene	81		78		70-130	4		20
1,3-Dichlorobenzene	82		78		70-130	5		20
1,4-Dichlorobenzene	82		78		70-130	5		20
Methyl tert butyl ether	82		80		63-130	2		20
p/m-Xylene	85		81		70-130	5		20
o-Xylene	84		79		70-130	6		20
cis-1,2-Dichloroethene	83		81		70-130	2		20
Dibromomethane	83		78		70-130	6		20
1,2,3-Trichloropropane	86		82		64-130	5		20
Acrylonitrile	89		90		70-130	1		20
Diisopropyl Ether	87		84		70-130	4		20
Tert-Butyl Alcohol	75		95		70-130	24	Q	20
Styrene	75		72		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG816248-1 WG816248-2								
Dichlorodifluoromethane	93		90		36-147	3		20
Acetone	97		98		58-148	1		20
Carbon disulfide	92		85		51-130	8		20
2-Butanone	94		103		63-138	9		20
Vinyl acetate	63	Q	69	Q	70-130	9		20
4-Methyl-2-pentanone	82		86		59-130	5		20
2-Hexanone	88		91		57-130	3		20
Acrolein	104		106		40-160	2		20
Bromochloromethane	91		87		70-130	4		20
2,2-Dichloropropane	132		138	Q	63-133	4		20
1,2-Dibromoethane	80		80		70-130	0		20
1,3-Dichloropropane	83		81		70-130	2		20
1,1,1,2-Tetrachloroethane	78		73		64-130	7		20
Bromobenzene	85		79		70-130	7		20
n-Butylbenzene	91		82		53-136	10		20
sec-Butylbenzene	93		84		70-130	10		20
tert-Butylbenzene	89		80		70-130	11		20
o-Chlorotoluene	89		82		70-130	8		20
p-Chlorotoluene	90		83		70-130	8		20
1,2-Dibromo-3-chloropropane	80		80		41-144	0		20
Hexachlorobutadiene	88		80		63-130	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG816248-1 WG816248-2								
Isopropylbenzene	84		80		70-130	5		20
p-Isopropyltoluene	91		82		70-130	10		20
Naphthalene	74		74		70-130	0		20
n-Propylbenzene	96		86		69-130	11		20
1,2,3-Trichlorobenzene	76		69	Q	70-130	10		20
1,2,4-Trichlorobenzene	82		77		70-130	6		20
1,3,5-Trimethylbenzene	91		83		64-130	9		20
1,2,4-Trimethylbenzene	90		83		70-130	8		20
Methyl Acetate	86		94		70-130	9		20
Ethyl Acetate	81		85		70-130	5		20
Cyclohexane	80		79		70-130	1		20
Ethyl-Tert-Butyl-Ether	98		99		70-130	1		20
Tertiary-Amyl Methyl Ether	75		75		66-130	0		20
1,4-Dioxane	74		81		56-162	9		20
Freon-113	81		77		70-130	5		20
p-Diethylbenzene	83		76		70-130	9		20
p-Ethyltoluene	93		85		70-130	9		20
1,2,4,5-Tetramethylbenzene	88		80		70-130	10		20
Ethyl ether	82		85		59-134	4		20
trans-1,4-Dichloro-2-butene	83		82		70-130	1		20
Iodomethane	16	Q	24	Q	70-130	40	Q	20

Lab Control Sample Analysis Batch Quality Control

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG816248-1 WG816248-2								
Methyl cyclohexane	82		79		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		93		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	91		95		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG817274-1 WG817274-2								
Methylene chloride	98		90		70-130	9		20
1,1-Dichloroethane	100		93		70-130	7		20
Chloroform	92		85		70-130	8		20
2-Chloroethylvinyl ether	88		83		70-130	6		20
Carbon tetrachloride	126		118		63-132	7		20
1,2-Dichloropropane	93		86		70-130	8		20
Dibromochloromethane	81		76		63-130	6		20
1,1,2-Trichloroethane	89		86		70-130	3		20
Tetrachloroethene	85		81		70-130	5		20
Chlorobenzene	84		80		75-130	5		20
Trichlorofluoromethane	94		88		62-150	7		20
1,2-Dichloroethane	90		84		70-130	7		20
1,1,1-Trichloroethane	89		83		67-130	7		20
Bromodichloromethane	88		80		67-130	10		20
trans-1,3-Dichloropropene	79		73		70-130	8		20
cis-1,3-Dichloropropene	81		76		70-130	6		20
1,1-Dichloropropene	91		86		70-130	6		20
Bromoform	82		78		54-136	5		20
1,1,2,2-Tetrachloroethane	90		88		67-130	2		20
Benzene	89		83		70-130	7		20
Toluene	87		82		70-130	6		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG817274-1 WG817274-2								
Ethylbenzene	89		83		70-130	7		20
Chloromethane	71		55	Q	64-130	25	Q	20
Bromomethane	50		48		39-139	4		20
Vinyl chloride	80		70		55-140	13		20
Chloroethane	144	Q	123		55-138	16		20
1,1-Dichloroethene	86		80		61-145	7		20
trans-1,2-Dichloroethene	90		84		70-130	7		20
Trichloroethene	90		85		70-130	6		20
1,2-Dichlorobenzene	85		81		70-130	5		20
1,3-Dichlorobenzene	86		81		70-130	6		20
1,4-Dichlorobenzene	84		80		70-130	5		20
Methyl tert butyl ether	91		88		63-130	3		20
p/m-Xylene	88		83		70-130	6		20
o-Xylene	86		81		70-130	6		20
cis-1,2-Dichloroethene	92		83		70-130	10		20
Dibromomethane	89		86		70-130	3		20
1,2,3-Trichloropropane	88		87		64-130	1		20
Acrylonitrile	99		92		70-130	7		20
Diisopropyl Ether	94		89		70-130	5		20
Tert-Butyl Alcohol	87		98		70-130	12		20
Styrene	79		74		70-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG817274-1 WG817274-2								
Dichlorodifluoromethane	102		93		36-147	9		20
Acetone	80		71		58-148	12		20
Carbon disulfide	102		92		51-130	10		20
2-Butanone	104		102		63-138	2		20
Vinyl acetate	70		69	Q	70-130	1		20
4-Methyl-2-pentanone	94		90		59-130	4		20
2-Hexanone	96		93		57-130	3		20
Acrolein	113		108		40-160	5		20
Bromochloromethane	101		95		70-130	6		20
2,2-Dichloropropane	150	Q	139	Q	63-133	8		20
1,2-Dibromoethane	87		85		70-130	2		20
1,3-Dichloropropane	88		85		70-130	3		20
1,1,1,2-Tetrachloroethane	83		78		64-130	6		20
Bromobenzene	85		82		70-130	4		20
n-Butylbenzene	93		84		53-136	10		20
sec-Butylbenzene	95		87		70-130	9		20
tert-Butylbenzene	90		84		70-130	7		20
o-Chlorotoluene	90		84		70-130	7		20
p-Chlorotoluene	90		86		70-130	5		20
1,2-Dibromo-3-chloropropane	88		85		41-144	3		20
Hexachlorobutadiene	95		85		63-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG817274-1 WG817274-2								
Isopropylbenzene	88		82		70-130	7		20
p-Isopropyltoluene	93		85		70-130	9		20
Naphthalene	77		79		70-130	3		20
n-Propylbenzene	95		89		69-130	7		20
1,2,3-Trichlorobenzene	75		76		70-130	1		20
1,2,4-Trichlorobenzene	85		82		70-130	4		20
1,3,5-Trimethylbenzene	91		86		64-130	6		20
1,2,4-Trimethylbenzene	91		86		70-130	6		20
Methyl Acetate	97		89		70-130	9		20
Ethyl Acetate	92		87		70-130	6		20
Cyclohexane	90		84		70-130	7		20
Ethyl-Tert-Butyl-Ether	108		105		70-130	3		20
Tertiary-Amyl Methyl Ether	81		80		66-130	1		20
1,4-Dioxane	96		81		56-162	17		20
Freon-113	89		84		70-130	6		20
p-Diethylbenzene	86		79		70-130	8		20
p-Ethyltoluene	94		87		70-130	8		20
1,2,4,5-Tetramethylbenzene	91		82		70-130	10		20
Ethyl ether	94		89		59-134	5		20
trans-1,4-Dichloro-2-butene	84		81		70-130	4		20
Methyl cyclohexane	91		83		70-130	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
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Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG817274-1 WG817274-2

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		93		70-130
Toluene-d8	95		96		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	98		97		70-130

Project Name: SENECA MARKETS GWM 2015

Project Number: 0211-001-600

Lab Number: L1520582

Report Date: 09/02/15

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1520582-01A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-01B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-01C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-02A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-02B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-02C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-03A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-03B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-03C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-04A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-04B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-04C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-05A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-05B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-05C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-06A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-06B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-06C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-07A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-07B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-07C	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-08A	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)
L1520582-08B	Vial HCl preserved	A	N/A	2.4	Y	Absent	NYTCL-8260(14)

*Values in parentheses indicate holding time in days



Project Name: SENECA MARKETS GWM 2015
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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: SENECA MARKETS GWM 2015
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Lab Number: L1520582
Report Date: 09/02/15

Data Qualifiers

- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: SENECA MARKETS GWM 2015
Project Number: 0211-001-600

Lab Number: L1520582
Report Date: 09/02/15

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, Tl; **EPA 200.7:** Ba, Be, Ca, Cd, Cr, Cu, Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.

Non-Potable Water

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, Tl, Zn;

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, Ti, Tl, V, Zn;

EPA 245.1, SM4500H-B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



ANALYTICAL REPORT

Lab Number:	L1627220
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	SENECA MARKETS-GWM 2016
Project Number:	0211-001-600
Report Date:	09/07/16

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Certifications & Approvals: MA (M-MA086), NY (11148), CT (PH-0574), NH (2003), NJ NELAP (MA935), RI (LAO00065), ME (MA00086), PA (68-03671), VA (460195), MD (348), IL (200077), NC (666), TX (T104704476), DOD (L2217), USDA (Permit #P-330-11-00240).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: SENECA MARKETS-GWM 2016
Project Number: 0211-001-600

Lab Number: L1627220
Report Date: 09/07/16

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1627220-01	MW-3SR	WATER	Not Specified	08/29/16 09:30	08/30/16
L1627220-02	MW-7S	WATER	Not Specified	08/29/16 09:50	08/30/16
L1627220-03	MW-1SR	WATER	Not Specified	08/29/16 10:00	08/30/16
L1627220-04	MW-10S	WATER	Not Specified	08/29/16 10:25	08/30/16
L1627220-05	TRIP BLANK	WATER	Not Specified	08/29/16 12:00	08/30/16

Project Name: SENECA MARKETS-GWM 2016
Project Number: 0211-001-600

Lab Number: L1627220
Report Date: 09/07/16

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: SENECA MARKETS-GWM 2016
Project Number: 0211-001-600

Lab Number: L1627220
Report Date: 09/07/16

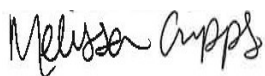
Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Melissa Cripps

Title: Technical Director/Representative

Date: 09/07/16

ORGANICS

VOLATILES

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS**

Lab ID: L1627220-01
Client ID: MW-3SR
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/16 18:52
Analyst: PK

Date Collected: 08/29/16 09:30
Date Received: 08/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.15	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS****Lab ID:** L1627220-01**Date Collected:** 08/29/16 09:30**Client ID:** MW-3SR**Date Received:** 08/30/16**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	8.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS**

Lab ID: L1627220-02
Client ID: MW-7S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/16 19:26
Analyst: PK

Date Collected: 08/29/16 09:50
Date Received: 08/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.36	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS-GWM 2016

Lab Number: L1627220

Project Number: 0211-001-600

Report Date: 09/07/16

SAMPLE RESULTS

Lab ID: L1627220-02

Date Collected: 08/29/16 09:50

Client ID: MW-7S

Date Received: 08/30/16

Sample Location: Not Specified

Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	7.8		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	3.4	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS**

Lab ID: L1627220-03
Client ID: MW-1SR
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/16 20:01
Analyst: PK

Date Collected: 08/29/16 10:00
Date Received: 08/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	28		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.61	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	0.81	J	ug/l	2.5	0.70	1
Trichloroethene	17		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS****Lab ID:** L1627220-03**Date Collected:** 08/29/16 10:00**Client ID:** MW-1SR**Date Received:** 08/30/16**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	100		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	99		70-130

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS**

Lab ID: L1627220-04
Client ID: MW-10S
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/16 20:35
Analyst: PK

Date Collected: 08/29/16 10:25
Date Received: 08/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	1.0	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	0.48	J	ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	0.19	J	ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS****Lab ID:** L1627220-04**Date Collected:** 08/29/16 10:25**Client ID:** MW-10S**Date Received:** 08/30/16**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	98		70-130

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS**

Lab ID: L1627220-05
Client ID: TRIP BLANK
Sample Location: Not Specified
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/02/16 18:18
Analyst: PK

Date Collected: 08/29/16 12:00
Date Received: 08/30/16
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.13	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.14	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**SAMPLE RESULTS****Lab ID:** L1627220-05**Date Collected:** 08/29/16 12:00**Client ID:** TRIP BLANK**Date Received:** 08/30/16**Sample Location:** Not Specified**Field Prep:** Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	41.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: SENECA MARKETS-GWM 2016

Lab Number: L1627220

Project Number: 0211-001-600

Report Date: 09/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/02/16 10:53
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG928585-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.13
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.14
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.14
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SENECA MARKETS-GWM 2016

Lab Number: L1627220

Project Number: 0211-001-600

Report Date: 09/07/16

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/02/16 10:53
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG928585-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	41.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 09/02/16 10:53

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG928585-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: SENECA MARKETS-GWM 2016

Project Number: 0211-001-600

Lab Number: L1627220

Report Date: 09/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG928585-3 WG928585-4								
Methylene chloride	89		96		70-130	8		20
1,1-Dichloroethane	96		100		70-130	4		20
Chloroform	97		100		70-130	3		20
2-Chloroethylvinyl ether	100		100		70-130	0		20
Carbon tetrachloride	100		110		63-132	10		20
1,2-Dichloropropane	96		99		70-130	3		20
Dibromochloromethane	78		81		63-130	4		20
1,1,2-Trichloroethane	90		95		70-130	5		20
Tetrachloroethene	91		96		70-130	5		20
Chlorobenzene	94		99		75-130	5		20
Trichlorofluoromethane	82		82		62-150	0		20
1,2-Dichloroethane	96		100		70-130	4		20
1,1,1-Trichloroethane	94		98		67-130	4		20
Bromodichloromethane	95		100		67-130	5		20
trans-1,3-Dichloropropene	84		88		70-130	5		20
cis-1,3-Dichloropropene	98		100		70-130	2		20
1,1-Dichloropropene	94		97		70-130	3		20
Bromoform	71		72		54-136	1		20
1,1,2,2-Tetrachloroethane	85		92		67-130	8		20
Benzene	100		100		70-130	0		20
Toluene	96		100		70-130	4		20

Lab Control Sample Analysis Batch Quality Control

Project Name: SENECA MARKETS-GWM 2016

Project Number: 0211-001-600

Lab Number: L1627220

Report Date: 09/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG928585-3 WG928585-4								
Ethylbenzene	98		100		70-130	2		20
Chloromethane	70		72		64-130	3		20
Bromomethane	110		120		39-139	9		20
Vinyl chloride	81		84		55-140	4		20
Chloroethane	88		92		55-138	4		20
1,1-Dichloroethene	82		84		61-145	2		20
trans-1,2-Dichloroethene	92		95		70-130	3		20
Trichloroethene	98		100		70-130	2		20
1,2-Dichlorobenzene	90		94		70-130	4		20
1,3-Dichlorobenzene	93		98		70-130	5		20
1,4-Dichlorobenzene	91		97		70-130	6		20
Methyl tert butyl ether	92		100		63-130	8		20
p/m-Xylene	95		100		70-130	5		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	95		100		70-130	5		20
Dibromomethane	95		100		70-130	5		20
1,2,3-Trichloropropane	86		94		64-130	9		20
Acrylonitrile	82		84		70-130	2		20
Isopropyl Ether	97		100		70-130	3		20
tert-Butyl Alcohol	86		96		70-130	11		20
Styrene	100		105		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS-GWM 2016

Project Number: 0211-001-600

Lab Number: L1627220

Report Date: 09/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG928585-3 WG928585-4								
Dichlorodifluoromethane	60		61		36-147	2		20
Acetone	83		73		58-148	13		20
Carbon disulfide	74		75		51-130	1		20
2-Butanone	91		90		63-138	1		20
Vinyl acetate	91		96		70-130	5		20
4-Methyl-2-pentanone	77		83		59-130	8		20
2-Hexanone	83		85		57-130	2		20
Acrolein	73		78		40-160	7		20
Bromochloromethane	94		100		70-130	6		20
2,2-Dichloropropane	120		130		63-133	8		20
1,2-Dibromoethane	90		94		70-130	4		20
1,3-Dichloropropane	91		94		70-130	3		20
1,1,1,2-Tetrachloroethane	91		97		64-130	6		20
Bromobenzene	95		100		70-130	5		20
n-Butylbenzene	95		99		53-136	4		20
sec-Butylbenzene	96		100		70-130	4		20
tert-Butylbenzene	95		100		70-130	5		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	67		69		41-144	3		20
Hexachlorobutadiene	87		94		63-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS-GWM 2016

Project Number: 0211-001-600

Lab Number: L1627220

Report Date: 09/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG928585-3 WG928585-4								
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	95		100		70-130	5		20
Naphthalene	60	Q	69	Q	70-130	14		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	60	Q	71		70-130	17		20
1,2,4-Trichlorobenzene	78		86		70-130	10		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	99		100		70-130	1		20
Methyl Acetate	80		86		70-130	7		20
Ethyl Acetate	89		95		70-130	7		20
Cyclohexane	90		90		70-130	0		20
Ethyl-Tert-Butyl-Ether	99		110		70-130	11		20
Tertiary-Amyl Methyl Ether	91		99		66-130	8		20
1,4-Dioxane	86		90		56-162	5		20
1,1,2-Trichloro-1,2,2-Trifluoroethane	84		86		70-130	2		20
p-Diethylbenzene	95		100		70-130	5		20
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	92		97		70-130	5		20
Tetrahydrofuran	79		82		58-130	4		20
Ethyl ether	85		92		59-134	8		20
trans-1,4-Dichloro-2-butene	94		100		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS-GWM 2016

Project Number: 0211-001-600

Lab Number: L1627220

Report Date: 09/07/16

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG928585-3 WG928585-4								
Iodomethane	78		88		70-130	12		20
Methyl cyclohexane	90		94		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	99		100		70-130

Project Name: SENECA MARKETS-GWM 2016**Lab Number:** L1627220**Project Number:** 0211-001-600**Report Date:** 09/07/16**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Cooler Information Custody Seal**Cooler**

A Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1627220-01A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-01B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-01C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-02A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-02B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-02C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-03A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-03B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-03C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-04A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-04B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-04C	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-05A	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)
L1627220-05B	Vial HCl preserved	A	N/A	2.3	Y	Absent	NYTCL-8260-R2(14)

*Values in parentheses indicate holding time in days

Project Name: SENECA MARKETS-GWM 2016
Project Number: 0211-001-600

Lab Number: L1627220
Report Date: 09/07/16

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Report Format: DU Report with 'J' Qualifiers



Project Name: SENECA MARKETS-GWM 2016
Project Number: 0211-001-600

Lab Number: L1627220
Report Date: 09/07/16

Data Qualifiers

- reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: SENECA MARKETS-GWM 2016
Project Number: 0211-001-600

Lab Number: L1627220
Report Date: 09/07/16

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624: m/p-xylene, o-xylene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 300: DW: Bromide

EPA 6860: NPW and SCM: Perchlorate

EPA 9010: NPW and SCM: Amenable Cyanide Distillation

EPA 9012B: NPW: Total Cyanide

EPA 9050A: NPW: Specific Conductance

SM3500: NPW: Ferrous Iron

SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.

SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility

SM 2540D: TSS

EPA 3005A NPW

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: **EPA 3050B**

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

Mansfield Facility:

Drinking Water

EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Service Centers

Page

of

8/31/14

ALPHA Job #

21677720

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Email:

Rush (only if pre approved) ☐ # of Days:

	MAR 21/5	8/12/16	LA	R+D	✓
77220-01	mw-3SR	↓	0930	W	✓
-02	mw-7S	↓	0950	↓	✓
-03	mw-1SR	↓	1000	↓	✓
-04	mw-10S	↓	1025	↓	✓
		↓		↓	✓
-05	TRIP BLANK	8/29/16	1200	w	✓

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)



ANALYTICAL REPORT

Lab Number:	L1729416
Client:	Benchmark & Turnkey Companies 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Nate Munley
Phone:	(716) 225-3314
Project Name:	SENECA MARKETS I, LLC
Project Number:	B0211-001-000
Report Date:	08/29/17

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1729416-01	MW-21S	WATER	WATKINS GLEN, NY	08/21/17 09:30	08/22/17
L1729416-02	MW-3SR	WATER	WATKINS GLEN, NY	08/21/17 09:45	08/22/17
L1729416-03	MW-7S	WATER	WATKINS GLEN, NY	08/21/17 10:00	08/22/17
L1729416-04	MW-1SR	WATER	WATKINS GLEN, NY	08/21/17 10:15	08/22/17
L1729416-05	MW-10S	WATER	WATKINS GLEN, NY	08/21/17 10:30	08/22/17
L1729416-06	TRIP BLANK	WATER	WATKINS GLEN, NY	08/21/17 00:00	08/22/17

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

A Trip Blank was received in the laboratory, but not listed on the Chain of Custody, and was not analyzed.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Kara Lindquist

Title: Technical Director/Representative

Date: 08/29/17

ORGANICS

VOLATILES

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-01
Client ID: MW-21S
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 09:30
Date Received: 08/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/17 09:12
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-01
Client ID: MW-21S
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 09:30
Date Received: 08/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	3.8	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-02
Client ID: MW-3SR
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 09:45
Date Received: 08/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/17 09:40
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.09	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-02
Client ID: MW-3SR
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 09:45
Date Received: 08/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	2.2	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	93		70-130

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-03
Client ID: MW-7S
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 10:00
Date Received: 08/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/17 10:08
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	2.5		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-03
Client ID: MW-7S
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 10:00
Date Received: 08/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	3.5		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	1.7	J	ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	4.7	J	ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	0.59	J	ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-04
Client ID: MW-1SR
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 10:15
Date Received: 08/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/17 10:36
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	55		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	0.94	J	ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	0.72	J	ug/l	2.5	0.70	1
Trichloroethene	18		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-04
Client ID: MW-1SR
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 10:15
Date Received: 08/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	96		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-05
Client ID: MW-10S
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 10:30
Date Received: 08/22/17
Field Prep: Not Specified

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/17 11:04
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	0.82	J	ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

SAMPLE RESULTS

Lab ID: L1729416-05
Client ID: MW-10S
Sample Location: WATKINS GLEN, NY

Date Collected: 08/21/17 10:30
Date Received: 08/22/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	92		70-130

Project Name: SENECA MARKETS I, LLC

Lab Number: L1729416

Project Number: B0211-001-000

Report Date: 08/29/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/17 08:17
 Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1036027-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: SENECA MARKETS I, LLC

Lab Number: L1729416

Project Number: B0211-001-000

Report Date: 08/29/17

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 08/26/17 08:17
 Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1036027-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: SENECA MARKETS I, LLC**Lab Number:** L1729416**Project Number:** B0211-001-000**Report Date:** 08/29/17**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 08/26/17 08:17

Analyst: NL

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1036027-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: SENECA MARKETS I, LLC

Lab Number: L1729416

Project Number: B0211-001-000

Report Date: 08/29/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1036027-3 WG1036027-4								
Methylene chloride	92		90		70-130	2		20
1,1-Dichloroethane	95		93		70-130	2		20
Chloroform	94		92		70-130	2		20
Carbon tetrachloride	100		97		63-132	3		20
1,2-Dichloropropane	94		92		70-130	2		20
Dibromochloromethane	99		96		63-130	3		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		98		70-130	2		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	98		94		62-150	4		20
1,2-Dichloroethane	93		93		70-130	0		20
1,1,1-Trichloroethane	93		90		67-130	3		20
Bromodichloromethane	90		88		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	91		90		70-130	1		20
Bromoform	100		96		54-136	4		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	91		89		70-130	2		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	72		68		64-130	6		20
Bromomethane	22	Q	23	Q	39-139	4		20
Vinyl chloride	90		88		55-140	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS I, LLC

Project Number: B0211-001-000

Lab Number: L1729416

Report Date: 08/29/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1036027-3 WG1036027-4								
Chloroethane	99		94		55-138	5		20
1,1-Dichloroethene	94		91		61-145	3		20
trans-1,2-Dichloroethene	94		91		70-130	3		20
Trichloroethene	95		93		70-130	2		20
1,2-Dichlorobenzene	110		100		70-130	10		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	94		94		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		91		70-130	3		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		96		36-147	4		20
Acetone	98		100		58-148	2		20
Carbon disulfide	93		90		51-130	3		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	100		100		59-130	0		20
2-Hexanone	110		110		57-130	0		20
Bromochloromethane	95		95		70-130	0		20
1,2-Dibromoethane	98		96		70-130	2		20
1,2-Dibromo-3-chloropropane	100		100		41-144	0		20
Isopropylbenzene	110		100		70-130	10		20
1,2,3-Trichlorobenzene	100		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SENECA MARKETS I, LLC

Project Number: B0211-001-000

Lab Number: L1729416

Report Date: 08/29/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1036027-3 WG1036027-4								
1,2,4-Trichlorobenzene	100		100		70-130	0		20
Methyl Acetate	99		99		70-130	0		20
Cyclohexane	97		92		70-130	5		20
1,4-Dioxane	140		128		56-162	9		20
Freon-113	98		95		70-130	3		20
Methyl cyclohexane	95		92		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		99		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	95		96		70-130

Project Name: SENECA MARKETS I, LLC**Lab Number:** L1729416**Project Number:** B0211-001-000**Report Date:** 08/29/17**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1729416-01A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-01B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-01C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-02A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-02B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-02C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-03A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-03B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-03C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-04A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-04B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-04C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-05A	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-05B	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-05C	Vial HCl preserved	A	NA		4.0	Y	Absent		NYTCL-8260-R2(14)
L1729416-06A	Vial HCl preserved	A	NA		4.0	Y	Absent		HOLD-8260(14)
L1729416-06B	Vial HCl preserved	A	NA		4.0	Y	Absent		HOLD-8260(14)

Project Name: SENECA MARKETS I, LLC
Project Number: B0211-001-000

Lab Number: L1729416
Report Date: 08/29/17

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related

Report Format: DU Report with 'J' Qualifiers



Project Name: SENECA MARKETS I, LLC
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Data Qualifiers

projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



Project Name: SENECA MARKETS I, LLC
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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 10

Published Date: 1/16/2017 11:00:05 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 300:** DW: Bromide**EPA 6860:** NPW and SCM: Perchlorate**EPA 9010:** NPW and SCM: Amenable Cyanide Distillation**EPA 9012B:** NPW: Total Cyanide**EPA 9050A:** NPW: Specific Conductance**SM3500:** NPW: Ferrous Iron**SM4500:** NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO₂, NO₃.**SM5310C:** DW: Dissolved Organic Carbon**Mansfield Facility****SM 2540D:** TSS**EPA 3005A** NPW**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.****EPA 624:** Volatile Halocarbons & Aromatics,**EPA 608:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.****Mansfield Facility:****Drinking Water****EPA 200.7:** Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1 Hg.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA Job #
L1729416

Top of the Box

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)