PERIODIC REVIEW REPORT

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

WATKINS GLEN, NEW YORK

July 2011 0211-001-600

Prepared for:

Seneca Market I, LLC

Prepared By:

Benchmark Environmental Engineering & Science, PLLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716)856-0599

PERIODIC REVIEW REPORT

Seneca Market I, LLC Site

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Seneca Market I, LLC Site
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APPENDICIES

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 June 15, 2010 to June 15, 2011 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

To date, Seneca Market I, LLC has completed seven groundwater monitoring events, including four quarterly events during 2009, two semi-annual events in 2010, and one of the two scheduled semi-annual events in 2011. After the Fall 2011 semi-annual groundwater sampling event is completed, it is recommended to modify the sampling frequency to annual groundwater monitoring. Post-remedial groundwater monitoring results show continued decrease in contaminant levels and the Site is in full compliance with the SMP; therefore, a modification to annual groundwater monitoring is prudent and protective of the environment.

Beyond those changes described above, no modifications to the current SMP 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). Four adjacent parcels were collectively remediated and redeveloped under the BCP Program. 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 a soil 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 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.

3.1 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.

3.1.1 Active Sub-slab Depressurization System

An ASD system was installed within the newly constructed 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).

During the annual Site Inspection, the inspector verified that the ASD system was operating properly, as indicated by the readings on both of the magnahelic vacuum gauges (0.70 and 0.50 inches water column (WC), respectively). Copies of the ASD periodic visual inspection logs are included in Appendix C.

3.1.2 Long-Term Groundwater Monitoring Plan

Long-term groundwater monitoring (LTGWM) was conducted during this reporting period utilizing passive diffusion bag (PDB) sampling technique, in accordance with the Department's approved modification of the SMP, correspondence dated June 9, 2010.

Groundwater monitoring was conducted during this reporting period in October 2010 and May 2011. The May 2010 Semi-Annual Monitoring event report is included for reference. Copies of the semi-annual groundwater monitoring reports are provided in Appendix D of the electronic copy of the PRR.

3.1.3 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 Scientist who meets the requirements of a Qualified Environmental Professional (QEP) on May 11, 2011. At the time of the inspection, 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 inspection.

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

3.2 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 actives.

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

3.3 Engineering and Institutional Control Requirements and Compliance

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

3.3.1 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.

3.3.2 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 fully compliant with all engineering and institutional control requirements.

4.0 CONCLUSIONS AND RECOMMENDATIONS

- At the time of the Site inspection, the Site was in compliance with the SMP. Specifically, the Site is fully compliant with the Institutional Controls including land-use restrictions, groundwater-use restrictions, and the soil/fill management plan component; and fully compliant with the Engineering Controls including maintaining the cover system and continuous operation of the ASD System.

- Based on the results of the completed quarterly- and semi-annual groundwater monitoring conducted in 2009, 2010, and 2011, it is recommended that long-term groundwater monitoring being conducted on an annual basis beginning in 2012.

- Contact Information for Seneca Market I, LLC should be changed to:

  Mr. Timothy Costello
  Seneca Market I, LLC
  617 Dingens Street
  Buffalo, NY 14206

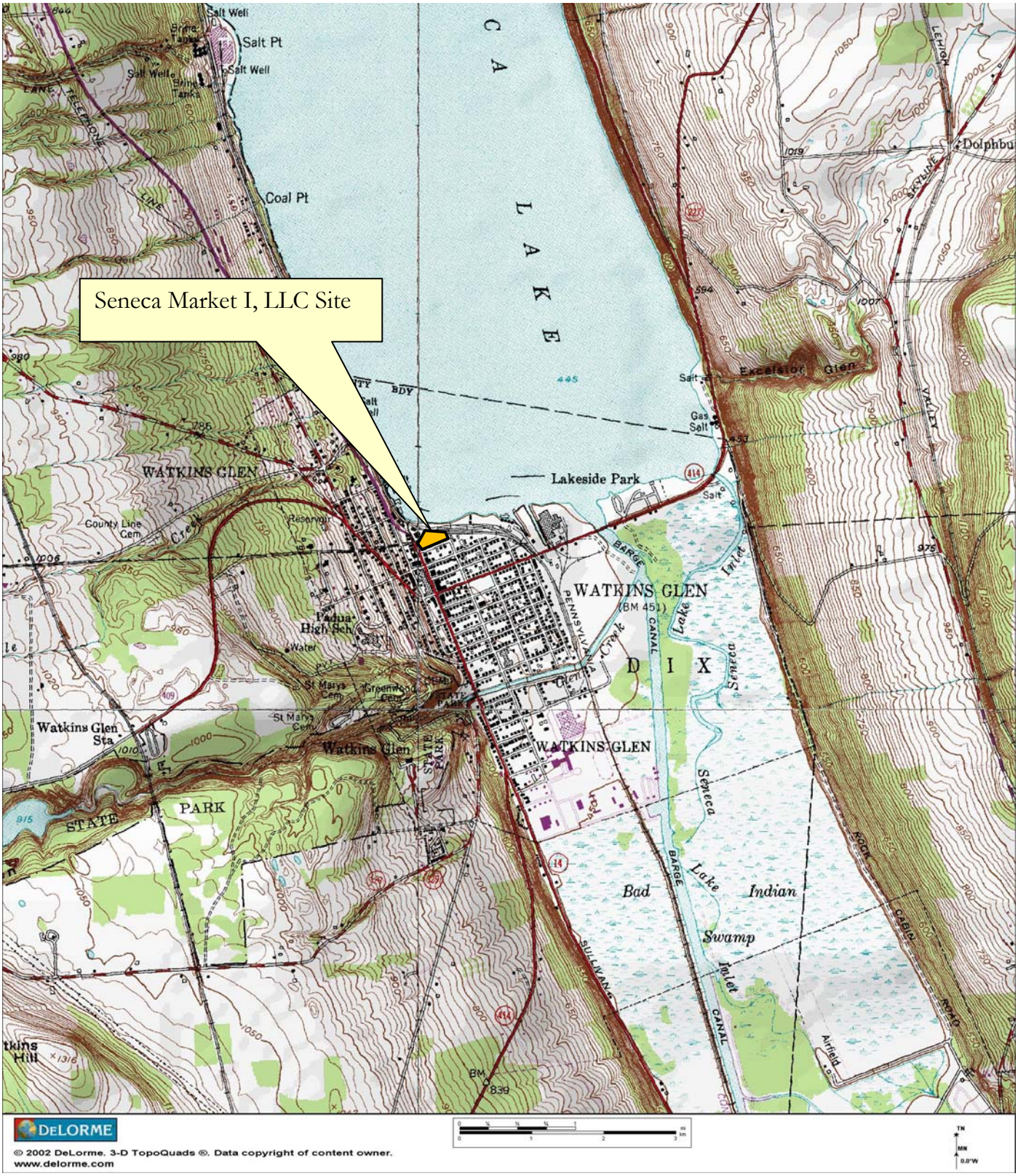
5.0 DECLARATION/LIMITATION

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.

FIGURES

FIGURE 1



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

PROJECT NO.: 0212-001-600

DATE: MAY 2010

DRAFTED BY: NTM

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT

SENECA MARKET I, LLC SITE

WATKINS GLEN, NEW YORK

PREPARED FOR

SENECA MARKET I, LLC

COLOR CODE:

- INACTIVE HAZARDOUS WASTE SITE (BCP)
- SENECA MARKET I, LLC SITE (BCP)
- BUILDING OR FOUNDATION (SEE BELOW)

LEGEND:

- BCP PROPERTY BOUNDARY
- PARCEL BOUNDARY
- (1) SENECA MARKET BUILDING
- (2) FORMER GLEN VINTAGE AUTO MUSEUM BUILDING
- (3) FORMER DRY CLEANER BUILDING
- (4) FORMER BUS GARAGE (SENECA HARDWOODS BUILDING)
- (5) REPUTED FORMER WELCH'S GRAPE FACILITY FOUNDATION
- (6) FORMER ASPHALT COMPANY
- (7) FORMERLY OWNED BY SCHUYLER COUNTY IDA

SCALE: 1 INCH = 60 FEET
SCALE IN FEET
(approximate)

DATE: MAY 2010
DRAFTED BY: BCH/NTM

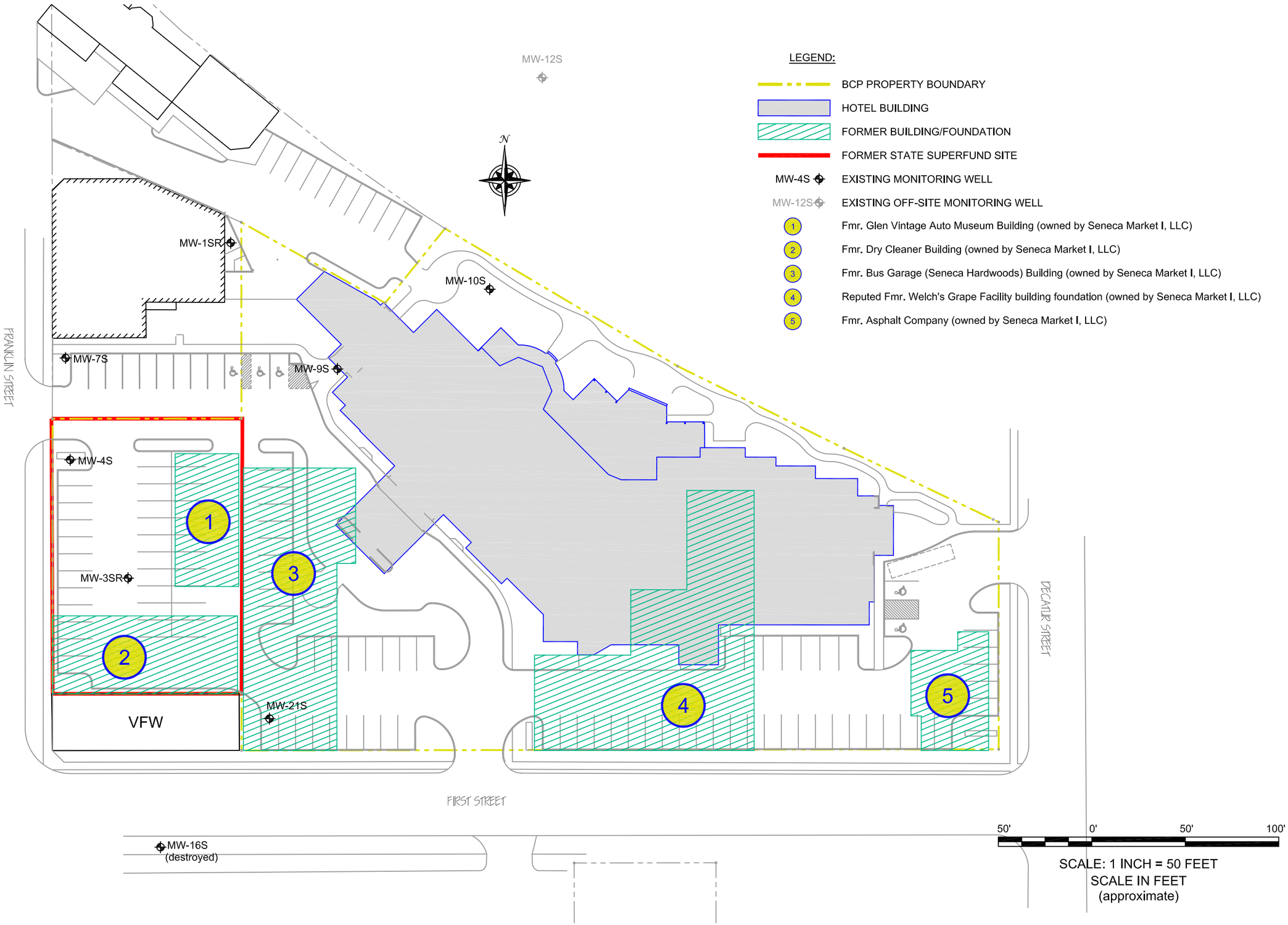
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0599

JOB NO.: 0212-001-600

SITE PLAN (PRE-REMEDIATION)

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

FIGURE 2



DATE: MAY 2010
DRAFTED BY: BCH/NTM

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

JOB NO.: 0212-001-600

SITE PLAN (POST-REMEDIATION)

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

FIGURE 3

APPENDIX A

INSTITUTIONAL & ENGINEERING CONTROLS CERTIFICATION FORM

Enclosure 1

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 Zip Code: 14819
City/Town: Watkins Glen
County: Schuyler
Site Acreage: 2.3

Reporting Period: June 15, 2010 to June 15, 2011

	YES	NO
1. Is the information above correct?	☒	☐
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

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	☒	☐
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.

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 Assessment regarding offsite 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	Owner	Institutional Control
65.09-2-56	Seneca Market 1, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan
65.09-2-58	Seneca Market 1, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan
65.09-2-59.1	Seneca Market 1, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan
65.09-2-61.2	Seneca Market 1, LLC	Ground Water Use Restriction Landuse Restriction Site Management Plan Soil Management Plan

Box 4

Description of Engineering Controls

Parcel	Engineering Control
65.09-2-56	Cover System Vapor Mitigation
65.09-2-58	Cover System Vapor Mitigation
65.09-2-59.1	Cover System Vapor Mitigation
65.09-2-61.2	Cover System Vapor Mitigation

Control Description for Site No. C849004

Control Description for Site No. C849004

Parcel: 65.09-2-56

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 barrior 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.

Parcel: 65.09-2-58

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 barrior 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.

Parcel: 65.09-2-59.1

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 barrior 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.

Parcel: 65.09-2-61.2

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 barrior 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.

Box 5

Periodic Review Report (PRR) Certification Statements

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 compete.

YES	NO
X	☐

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
X	☐

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

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 2 and/or 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.

I Timothy Costello (print name) at 617 Dingens St. Buffalo, N.Y. (print business address),

am certifying as EXECUTIVE VP/CFO (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner or Remedial Party Rendering Certification — Date: 7/14/11

IC/EC CERTIFICATIONS

Box 7

Signature

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 (print name) at 2558 Hamburg Turnpike, Buffalo, NY (print business address)

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

Signature of , for the Owner or Remedial Party, Rendering Certification — Stamp (Required for PE) — Date: 7/14/11

APPENDIX B

SITE PHOTLOG

SITE PHOTOGRAPHS

Photo 1:

Photo 2:

Photo 3:

Photo 4:

Photo 1: Magnahelic gauge (0.5 inches WC indicated – line 10)

Photo 2: Magnahelic gauge (0.7 inches WC indicated – line 5)

Photo 3: Landscaping around MW-7S (Adjacent to Franklin St.)

Photo 4: Exterior site conditions (North side of building looking east)

SITE PHOTOGRAPHS

Photo 5:

Photo 6:

Photo 7:

Photo 8:

Photo 5: Condition of asphalt parking area (looking north towards Seneca Market Bldg.)

Photo 6: Site conditions parking area (looking northwest towards Franklin St.)

Photo 7: Site conditions (looking southeast from MW-7S towards VFW bldg.)

Photo 8: Landscaping (adjacent to Franklin St.)

APPENDIX C

ASD PERIODIC VISUAL INSPECTION LOGS

MONTH June 2010

DATE	LINE 5	LINE 10	TIME
1	.75	.95	7:15 AM
2	.75	.95	7:15 AM
3	.75	.95	8:15 AM
4	.75	.95	6:15 A.M.
5	.75	.95	7:15 AM
6	.75	.95	7:15 AM
7	.75	.95	7:15 AM
8	.75	.95	7:20 AM
9	.75	.95	7:10 AM
10	.75	.95	6:20 AM
11	.75	.95	6:30 AM
12	.75	.95	7:30 AM
13	.75	.95	7:15 AM
14	.75	.95	7:15 AM
15	.75	.95	7:30 AM
16	.75	.95	7:15 AM
17	.75	.95	6:20 A.M.
18	.75	.95	6:20 A.M.
19	.75	.95	7:15 AM
20	.75	.95	7:15 AM
21	.75	.95	7:15 AM
22	.75	.95	7:30 AM
23	.75	.95	7:15 AM
24	.75	.95	6:25 A.M.
25	.75	.95	6:15 AM
26	.75	.95	7:15 AM
27	.75	.95	7:15 AM
28	.75	.95	7:15 AM
29	.75	.95	7:25 AM
30	.75	.95	7:30 AM
31			

MONTH JULY

DATE	LINE 5	LINE 10	TIME
1	.75	.95	6:30 AM
2	.75	.95	6:15 AM
3	.75	.95	8:00 AM
4	.75	.95	8:00 AM
5	.75	.95	7:30 AM
6	.75	.95	8:30 AM
7	.75	.95	7:30 AM
8	.75	.95	6:15 AM
9	.75	.95	8:00 AM
10	.75	.95	8:00 AM
11	.75	.95	7:00 AM
12	.75	.95	7:00 AM
13	.75	.99	7:00 AM
14	.75	.95	7:30 AM
15	.75	.95	6:30 A.M.
16	.75	.95	6:30 A.M.
17	.75	.95	7:30 AM
18	.75	.95	7:15 AM
19	.75	.95	7:15 AM
20	.75	.90	7:30 AM
21	.75	.90	7:15 AM
22	.75	.90	7:15 AM
23	.75	.90	7:30 AM
24	.75	.90	7:20 AM
25	.75	.90	7:15 AM
26	.75	.90	7:15 AM
27	.75	.90	7:30 AM
28	.75	.90	7:20 AM
29	.75	.90	7:30 AM
30	.75	.90	7:30 AM
31	.75	.90	7:15 AM

MONTH AUG.

DATE	LINE 5	LINE 10	TIME
8-1-10	75	90	7:15 AM
8-2-10	75	90	7:15 AM
8-3-10	75	90	7:15 AM
8/4/2010	.75	.90	6:30 A.M.
8/5/2010	.75	.90	6:30 A.M.
8/6/2010	.75	.90	6:30 A.M.
8-7-10	.75	.90	7:15 AM
8-8-10	.75	.90	7:45 AM
8-9-10	.75	.90	7:30 AM
8-10-10	.70	.90	7:30 AM
8-11-10	.70	.90	7:30 AM
8-12-10	.73	.90	7:00 AM
8-13-10	.73	.90	7:00 AM
8-14-10	.73	.90	7:00 AM
8-15-10	.74	.90	7:35 AM
8-16-10	.74	.90	8:00 AM
8-17-10	.70	.90	7:30 AM
8-18-10	.72	.90	7:30 AM
8-19-10	.72	.90	7:00 AM
8-20-10	.72	.90	7:00 AM
8-21-10	.72	.90	7:00 AM
8-22-10	.76	.90	8:00 AM
8-23-10	.76	.90	8:00 AM
8-24-10	.72	.90	8:00 AM
8-25-10	.72	.90	8:00 AM
8-26-10	.74	.90	7:00 AM
8-27-10	.74	.90	7:00 AM
8-28-10	.74	.90	7:00 AM
8-29-10	.74	.90	8:00 AM
8-30-10	.74	.90	8:00 AM
8-31-10	.72	.90	7:00 PM

MONTH SEPT.

DATE	LINE 5	LINE 10	TIME
9-1-10	.74	.90	7:00AM
9-2-10	.74	.90	7:00 AM
9-3-10	.74	.90	7:00 AM
9-4-10	.72	.90	7:00 AM
9-5-10	.74	.90	8:00 AM
9-6-10	.74	.90	8:00 AM
9-7-10	.74	.90	7:00 AM
9-8-10	.74	.90	7:00AM
9-9-10	.74	.90	7:00AM
9-10-10	.74	.90	7:00AM
9-11-10	.74	.90	7:00AM
9-12-10	.74	.90	8:00AM
9-13-10	.75	.90	8:00 AM
9-14-10	.74	.90	7:00 AM
9-15-10	.74	.90	7:00 AM
9-16-10	.74	.90	7:00 AM
9-17-10	.74	.90	7:00 AM
9-18-10	.74	.90	7:00 AM
9-19-10	.74	.90	8:00AM
9-20-10	.75	.90	8:00AM
9-21-10	.74	.90	7:30 AM
9-22-10	.74	.90	7:30 AM
9-23-10	.74	.90	7:00 AM
9-24-10	.74	.90	7:00 AM
9-25-10	.74	.90	7:00 AM
9-26-10	.74	.90	8:00 AM
9-27-10	.74	.90	8:00 AM
9-28-10	.74	.90	7:30 AM
9-29-10	.74	.90	7:00 AM
9-30-10	.74	.90	7:00 AM

MONTH OCT.

DATE	LINE 5	LINE 10	TIME
1	.74	.90	7:00 AM
2	.72	.90	7:00 AM
3	.74	.86	8:00 AM
4	.74	.85	8:00 AM
5	.74	.85	7:00 AM
6	.74	.85	7:00 AM
7	.74	.85	700 AM
8	.72	.85	7:00 AM
9	.72	.85	7:00 AM
10	.74	.85	8:00 AM
11	.74	.85	8:00 AM
12	.74	.85	8:00 AM
13	.74	.85	8:00 AM
14	.74	.85	7:00 AM
15	.74	.85	7:00 AM
16	.74	.86	7:00 AM
17	.74	.86	8:00 AM
18	.74	.85	8:00 AM
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			

MONTH NOVEMBER /10

DATE	LINE 5	LINE 10	TIME
NOV 1	.75	.90	8:00 AM
2	.74	.84	8:00 AM
3	.74	.84	8:00 AM
4	.74	.83	7:00 AM
5	.74	.84	7:00 AM
6	.74	.84	7:00 AM
7	.74	.83	8:00 AM
8	.74	.84	8:00 AM
9	.74	.86	8:00 AM
10	.74	.84	8:00 AM
11	.74	.84	7:00 AM
12	.74	.84	8:00 AM
13	.74	.84	7:00 AM
14	.74	.84	8:00 AM
15	.74	.83	8:00 AM
16	.74	.83	8:00 AM
17	.74	.83	8:00 AM
18	.74	.83	7:00 AM
19	.74	.84	7:00 AM
20	.74	.83	7:00 AM
21	.74	.84	8:00 AM
22	.74	.83	8:00 AM
23	.74	.84	8:00 AM
24	.74	.84	8:00 AM
25	.74	.84	7:00 AM
26	.74	.84	7:00 AM
27	.74	.83	7:00 AM
28	.74	.81	8:00 AM
29	.74	.80	8:00 AM
30	.74	.84	8:00 AM

MONTH Dec.

DATE	LINE 5	LINE 10	TIME
12/1/10	.74	.84	8:00 AM
12/2/10	.74	.82	7:00 AM
12/3/10	.74	.83	7:00 AM
12/4/10	.74	.82	7:00 AM
12/5/10	.74	.80	8:00 AM
12/6/10	.74	.84	8:00 AM
12/7/10	.74	.82	8:00 AM
12/8/10	.70	.82	8:00 AM
12/9/10	.74	.83	7:00 AM
12/10/10	.74	.82	8:00 AM
12/11/10	.74	.82	7:00 AM
12/12/10	.74	.80	8:00 AM
12/13/10	.74	.82	8:00AM
12/14/10	.74	.81	8:00 AM
12/15/10	.74	.81	8:00 AM
12/16	.74	.84	7:00 AM
12/17	.74	.81	7:00 AM
12/18	.74	.83	7:00 AM
12/19/10	.74	.83	8:00 AM
12/20	.74	.81	8:00AM
12/21	.74	.82	8:00 AM
12/22	.70	.82	8:00 AM
12/23	.72	.80	7:00 AM
12/24	.72	.81	7:00 AM
12/25	.74	.83	8:00 AM
12/26	.74	.85	8:00 AM
12/27	.75	.85	8:00 AM
12/28	.70	.80	8:00 AM
12/29	.70	.79	8:00 AM
12/30	.70	.79	8:00 AM
12/31	.70	.79	8:00 AM

MONTH JAN 2011

DATE	LINE 5	LINE 10	TIME
1/1/11	.72	.79	7:00 AM
1/2/11	.72	.79	8:00 AM
1/3/11	.72	.79	8:00 AM
1/4/11	.72	.79	8:00 AM
1/5/11	.70	.77	8:00 AM
1/6	.69	.76	7:00 AM
1/7	.69	.76	7:00 AM
1/8	.72	.78	7:00 AM
1/9	.73	.80	8:00 AM
1/10	.71	.80	8:00 AM
1/11	.71	.74	8:00 AM
1/12	.74	.80	7:00 AM
1/13	.69	.75	7:00 AM
1/14	.69	.76	7:00 AM
1/15	.71	.76	7:00 AM
1/16	.70	.76	8:00 AM
1/17	.70	.76	8:00 AM
1/18	.69	.78	8:00 AM
1/19	.72	.80	8:00 AM
1/20	.69	.76	7:00 AM
1/21	.69	.77	7:00 AM
1/22	.53	.76	7:00 AM
1/23	.69	.75	8:00 AM
1/24	.69	.74	8:00 AM
1/25	.69	.75	8:00 AM
1/26	.69	.75	8:00 AM
1/27	.69	.75	7:00 AM
1/28	.69	.76	7:00 AM
1/29	.70	.76	7:00 AM
1/30	.69	.75	8:00 AM
1/31	.70	.76	8:00 AM

MONTH Feb 2011

DATE	LINE 5	LINE 10	TIME
2-1-11	.69	.75	7:30 AM
2-2-11	.69	.75	7:00 AM
2-3-11	.69	.76	7:00 AM
2-4	.70	.76	7:00 AM
2-5	.70	.75	8:00 AM
2-6	.70	.75	9:00 AM
2-7	.71	.75	8:00 AM
2-8	.74	.81	8:00 AM
2-9	.69	.74	7:00 AM
2-10	.69	.74	7:00 AM
2-11	.69	.75	7:00 AM
2-12	.69	.74	8:00 AM
2-13	.69	.74	8:00 AM
2-14	.69	.75	8:00 AM
2-15	.69	.74	8:00 AM
2-16	.70	.76	8:00 AM
2-17	.70	.76	7:00 AM
2-18	.71	.76	7:00 AM
2-19	.69	.76	8:00 AM
2-20	.72	.78	7:00 AM
2-21	.70	.78	8:00 AM
2-22	.69	.77	8:00 AM
2-23	.69	.74	8:00 AM
2-24	.69	.74	7:00 AM
2-25	.73	.78	7:00 AM
2-26	.70	.75	7:00 AM
2-27	.69	.74	8:00 AM
2-28	.70	.74	8:00 AM

MONTH MARCH 2011

DATE	LINE 5	LINE 10	TIME
3-1	.71	.76	8:00 AM
3-2	.68	.74	8:00 AM
3-3	.69	.74	7:00 AM
3-4	.71	.76	7:00 AM
3-5	.70	.74	7:00 AM
3-6	.71	.76	8:00 AM
3-7	.71	.78	8:00AM
3-8	.69	.73	8:00AM
3-9	.69	.73	8:00 AM
3-10	.70	.76	7:00 AM
3-11	.72	.74	7:00 AM
3-12	.72	.74	7:00 AM
3-13	.69	.72	8:00AM
3-14	.69	.75	8:00AM
3-15	.70	.73	8:00 AM
3-16	.71	.73	8:00 AM
3-17	.70	.73	7:00 AM
3-18	.70	.72	7:00 AM
3-19	.72	.73	7:00 AM
3-20	.69	.65	8:00AM
3-21	.69	.69	8:00AM
3-22	.70	.73	8:00 AM
3-23	.69	.69	8:00 AM
3-24	.65	.68	7:00 AM
3-25	.69	.64	7:00 AM
3-26	.69	.68	7:00 AM
3-27	.69	.64	8:00 AM
3-28	.70	.64	8:00 AM
3-29	.69	.63	8:00 AM
3-30	.69	.60	8:00 AM
3-31	.69	.60	7:00 AM

MONTH April 2011

DATE	LINE 5	LINE 10	TIME
4-1	.72	.65	7:00 AM
4-2	.70	.61	7:00 AM
4-3	.70	.65	8:00 AM
4-4	.71	.64	8:00AM
4-5	.69	.63	8:00 AM
4-6	.72	.69	8:00 AM
4-7	.69	.63	7:00 AM
4-8	.70	.57	7:00 AM
4-9	.69	.59	7:20 AM
4-10	.69	.64	8:00 AM.
4-11	.70	.64	8:00AM
4-12	.70	.64	8:00AM
4-13	.69	.59	8:00 AM
4-14	.69	.54	7:00 AM
4-15	.73	.69	7:00 AM
4-16	.69	.64	7:00 AM
4-17	.69	.61	8:00 AM
4-18	.70	.63	8:00AM
4-19	.69	.60	8:00 AM
4-20	.70	.60	8:00 AM
4-21	.71	.63	7:00 AM
4-22	.69	.58	7:00 AM
4-23	.70	.59	7:00 AM
4-24	.69	.59	8:00AM
4-25	.69	.55	8:00AM
4-26	.69	.60	8:00 AM
4-27	.69	.58	8:00 AM
4-28	.69	.57	7:00 AM
4-29	.70	.52	7:00 AM
4-30	.69	.56	7:00 AM

MONTH May 2011

DATE	LINE 5	LINE 10	TIME
5-1	.69	.53	8:00AM
5-2	.70	.54	8:00 AM
5-3	.68	.53	8:00 AM
5-4	.70	.53	8:00 AM
5-5	.69	.49	7:00 AM
5-6	.70	.54	7:00 AM
5-7	.70	.53	7:00 AM
5-8	.69	.52	8:00 AM
5-9	.69	.50	8:00 AM
5-10	.71	.53	8:00 AM
5-11	.69	.52	8:00 AM
5-12	.69	.51	7:00 AM
5-13			
5-14			

APPENDIX D

GROUNDWATER MONITORING REPORTS

(PROVIDED ELECTRONICALLY)

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

July 8, 2011

Ms. Charlotte Theobald
NY State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

Re: Site No. C849004
Seneca Market I, LLC Site
Watkins Glen, New York
Annual Groundwater Monitoring Report - October 2010 and May 2011 Events

Dear Ms. Theobald:

On behalf of our client, Seneca Market I, LLC (Seneca Market), Benchmark Environmental Engineering & Science, PLLC (Benchmark) is herein transmitting the results from the October 2010 and May 2011 groundwater monitoring event at the Seneca Market Site in Watkins Glen, New York (Site; see Figure 1).

The groundwater monitoring events included sampling and analysis of MW-1SR, MW-3SR, MW-4S, MW-7S, MW-9S, MW-10S and MW-21s. Groundwater samples from each of the sampled wells were analyzed for target compound list (TCL) volatile organic compounds (VOCs). Field parameters including pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), temperature, turbidity, and specific conductance were also measured in each of the sampled monitoring wells for the October 2010 sampling event. Due to minimal water in the passive diffusion bags field parameters for the May 2011 event were not collected. Table 1 summarizes the analytical and field results from the October 2010 and May 2011 groundwater monitoring event as well as historic groundwater monitoring events completed by Benchmark and the NYSDEC. The laboratory analytical packages are included in Attachment 1.

As shown on Table 1, chlorinated VOCs were not detected above NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) in MW-3SR, MW-4S, MW-9S, MW-10S or MW-21S. It is noteworthy that MW-3SR is located in the area of VOC source soil removal by Seneca Market and has decreased from 6,203 micrograms per liter (ug/L) total chlorinated VOCs in June 2000 to no detections of chlorinated VOCs in October 2010 and May 2011 monitoring events.

As noted in previous sampling events, concentrations of petroleum VOCs in MW-7S (May 2011 event) and MtBE in MW-3SR, MW-1SR may be the result of migration of petroleum VOCs from the adjacent and up-gradient NYSDEC petroleum spill site (Spill No. 0651369) located at the corner of North Franklin Street and Division Street. We understand that environmental investigation and/or remediation is on-going at that site.

Groundwater elevations in MW-1SR, MW-3SR, MW-7S, MW-10S, MW-4S and MW-9S were recorded. Table 2 shows the relative groundwater elevations and Figure 1 includes estimated groundwater flow direction for the October 2010 event. The groundwater flow is generally consistent with historic groundwater gauging data.

Please contact us with any questions or comments.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Michael Lesakowski
Project Manager

Att.

c: P. Sheedy (Seneca Market I, LLC)
T. Costello (Seneca Market I, LLC)
Mark Sergott (NYSDOH- Troy)

TABLES

Benchmark Environmental Engineering & Science, PLLC

TABLE 1
SUMMARY OF GROUNDWATER MONITORING RESULTS
1st Semi-Annual Groundwater Monitoring Event (5/27) 2010

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Sample Location

Parameter [1]	MW-1SR										MW-3SR												
	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	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
TCL Volatile Organic Compounds (VOCs) - ug/L																							
Acetone	ND	ND	1.4 J	ND	ND	ND	ND	ND	ND	8.4 J	R	R	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	12
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	R	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	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
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	13	4	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	91	75	72	71	79	80	74	110	NA	NA	NA	NA	NA	13	3	1.8	1.7	7.3	ND	ND	ND
trans-1,2-Dichloroethene	NA	NA	0.71 J	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.24 J	ND	ND	ND	ND	ND	ND	ND
Total 1,2-Dichloroethene	43	40	NA	NA	NA	NA	NA	ND	ND	ND	770	87	1900	5500	2200	NA	NA	NA	NA	NA	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
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	ND	4.6	5.1	4.7	4	4.3	4.1	3.3	3.2
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	ND	ND
Tetrachloroethene	410	360	88	70	87	83	87	70	68	71	88	8	77	83	ND	24	ND	ND	ND	4.2	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	22 J	26	21	17	21	20	20	18	17	19	190	20	83	200	14	7.7	ND	ND	ND	1.8	ND	ND	ND
Vinyl chloride	ND	ND	1.5	1.7	1.4	1.7	1.8	3	1.9	3.3	38 J	ND	17	420	390	2.6	1.2	ND	ND	ND	ND	ND	ND
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND
m+p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	1.4	ND	ND	ND
Total VOCs	484.0	426.0	205.8	165.3	183.4	178.5	189.5	175.9	162.0	212.9	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
Total Chlorinated VOCs	475.0	426.0	202.2	163.7	181.4	175.7	187.8	171.0	160.9	203.3	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
Water Quality Parameters (mg/L)																							
Iron- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Manganese- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.94	5.49	5.6	4.91	ND	NA	NA	NA
Nitrate, mg/L-N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.3	17.1	17	16.7	ND	NA	NA	NA
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	454	430	544	415	ND	NA	NA	NA
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66	63	ND	52	67	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA
Ethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0008 J	ND	ND	ND	ND	NA	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.051	0.049	0.13	0.074	0.074	NA	NA	NA
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	334	333	314	338	ND	NA	NA	NA
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	36.6	23.9	4.26	2.6	3.5	3.5	ND	NA	NA	NA
Field Measurements (units as indicated)																							
pH (units)			7.00	7.03	6.86	6.60	6.71	6.93	6.77	NA	NA	NA	NA	NA	NA	7.08	6.96	6.94	6.70	6.90	7.10	6.93	NA
Temperature (˚C)			11.4	11.5	17.2	18.6	11.9	14.9	16.4	NA	NA	NA	NA	NA	NA	11.7	10.8	14.2	19.6	13.2	16.1	17.2	NA
Specific Conductance (uS)			2000	1663	1994	2107	2113	2127	1813	NA	NA	NA	NA	NA	NA	2016	2000	1987	2028	2097	2038	1997	NA
Turbidity (NTU)			214	311	39.9	7.02	18.8	8.45	6.03	NA	NA	NA	NA	NA	NA	9.04	20.4	7.62	5.26	22	49.8	16.4	NA
ORP (mV)			58	51	63	42	42	65	222	NA	NA	NA	NA	NA	NA	41	24	15	0	- 51	- 6	2	NA
DO (ppm)			1.53	1.45	1.61	1.38	1.7	1.27	NA	NA	NA	NA	NA	NA	NA	1.38	1.3	1.48	1.33	1.79	1.14	1.18	NA

Parameter [1]	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	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
TCL Volatile Organic Compounds (VOCs) - ug/L																								
Acetone	R	ND	ND	ND	ND	ND	ND	34	41	35	ND	ND	ND	20	R	ND	ND	ND	ND	ND	ND	ND	ND	13 J
Benzene	6 J	R	7	11	ND	4.7	27	14	8.2	6.5	8.8	ND	8.5	ND	R	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	0.2 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.33 BJ	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	8.8	21	12	11	12	15	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	4.1	3.5	3	7.5	2.7	2.2	2.8	4.4	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total 1,2-Dichloroethene	ND	3 J	6	36	6	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND
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
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
Methylcyclohexane	ND	ND	ND	ND	ND	1.4	6.9	4.4	5	5.1	5.1	2.7	4.8	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	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
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
Styrene	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
1,1,2,2-Tetrachloroethane	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
Tetrachloroethene	ND	ND	ND	5	6	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
Toluene	ND	ND	ND	2	ND	0.69 J	5.7	5.7	ND	ND	ND	ND	2.1	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
Vinyl chloride	ND	ND	1	3	ND	1.3	1.1	ND	2.1	1.1	1	1.8	1.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
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
Total Xylene	ND	2 J	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	ND	ND	ND	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
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	26.0	20.4	3.5	3.2	4.0	2.5	2.5	3.7	3.7	3.6	17.3
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	6.0	4.0	3.2	3.2	4.0	2.5	2.5	3.7	3.7	3.6	4.3
Water Quality Parameters (mg/L)																								
Iron- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate, mg/L-N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	NA	NA	9.5	8	12.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Field Measurements (units as indicated)																								
pH (units)	NA	NA	NA	NA	NA	7.15	7.13	7.01	6.77	6.84	7.03	7.05	NA	NA	NA	7.02	7.02	7.01	6.98	6.74	6.60	6.90	6.81	NA
Temperature (˚C)	NA	NA	NA	NA	NA	11	10.6	15.3	17.6	13.2	14.5	16.7	NA	NA	NA	11.5	11.5	12	16.1	19.7	12.8	16.1	16.3	NA
Specific Conductance (uS)	NA	NA	NA	NA	NA	2966	3252	4081	3416	3227	3720	2900	NA	NA	NA	1538	1538	1421	1153	1348	1569	1520	1645	NA
Turbidity (NTU)	NA	NA	NA	NA	NA	100	50.2	8.3	4.38	15.3	15.7	27.5	NA	NA	NA	88.1	88.1	28.2	25	7.8	9.83	25.7	32.9	NA
ORP (mV)	NA	NA	NA	NA	NA	-87	-117	-139	- 140	- 113	- 130	-109	NA	NA	NA	27	27	15	1	13	22	5	14	NA
DO (ppm)	NA	NA	NA	NA	NA	1.47	2.27	1.36	0.97	1.3	1.42	1.57	NA	NA	NA	1.35	1.35	2.15	3.56	2.2	1.66	1.81	0.66	NA

Parameter [1]	MW-21S							MW-4S		MW-9S		GWQS[6]
	11/21/08	02/27/09	09/23/09	12/14/09	05/27/10	10/18/10	05/11/11	10/18/10	05/11/11	10/18/10	05/11/11	
TCL Volatile Organic Compounds (VOCs) - ug/L												
Acetone	1.8 J	ND	ND	ND	ND	ND	12	ND	9.5	ND	8.8	**50**
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chloroform	ND	ND	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	**5**
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
1,1-Dichloroethene	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	2.3	ND	**5**
trans-1,2-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total 1,2-Dichloroethene	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	**5**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
4-methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methyl tert butyl ether (MTBE)	0.55 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**
Styrene	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	**5**
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Vinyl chloride	0.23 J	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	**2**
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
m+p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total VOCs	2.8	0.0	2.6	0.0	0.0	0.0	12.0	0.0	9.5	2.3	8.8	
Total Chlorinated VOCs	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	
Water Quality Parameters (mg/L)												
Iron- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300**
Manganese- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300**
Nitrate, mg/L-N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**250**
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**50**
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.50E+08**
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Ethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Field Measurements (units as indicated)												
pH (units)	7.25	6.78	6.70	6.87	7.01	7.04	NA	6.74	NA	6.92	NA	**6.5 - 8.5**
Temperature (˚C)	11.9	7.5	22.7	12.3	17.3	18.5	NA	16.4	NA	16.8	NA	**--**
Specific Conductance (uS)	1140	1510	1429	1440	1175	960.7	NA	1987	NA	2124	NA	**--**
Turbidity (NTU)	5.35	8.81	1.53	1.7	3.31	7.79	NA	20.6	NA	64.3	NA	**--**
ORP (mV)	-99	-99	-132	98	-41	0	NA	-113	NA	-18	NA	**--**
DO (ppm)	1.04	1.18	1.14	1.54	1.07	0.88	NA	0.95	NA	1.23	NA	**--**

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.

Excedeeds GWQS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS

Second Semi-Annual Groundwater Monitoring Report (October 2010)
Seneca Market I, LLC Site
Watkins Glen, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.15	446.24
MW-3SR	451.89	5.50	446.39
MW-4S	450.68	4.30	446.38
MW-7S	450.85	4.61	446.24
MW-9S	453.57	7.40	446.17
MW-10S	452.01	5.82	446.19
MW-21S	453.09	5.11	447.98

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

F:\CAD\Benchmark\Krog\Seneca Harbor Hotel - Watkins Glen\GROUNDWATER MONITORING\2010\[Figure 1- Iso Map (Oct 2010).dwg

LEGEND:

- BCP PROPERTY BOUNDARY
- HOTEL BUILDING
- FORMER STATE SUPERFUND SITE
- MW-3SR 446.39 — SHALLOW NETWORK MONITORING WELL (TO BE SAMPLED) WITH GROUNDWATER ELEVATION
- MW-4S 446.38 — SHALLOW NETWORK MONITORING WELL (WATER LEVEL ONLY) WITH GROUNDWATER ELEVATION
- MW-12S — EXISTING OFF-SITE MONITORING WELL
- 446.1 — GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

MW-12S

446.2

MW-10S 446.19

MW-1SR 446.24

MW-9S 446.17

DECATUR STREET

FRANKLIN STREET

MW-7S 446.24

446.3

MW-4S 446.38

446.4

MW-3SR 446.39

MW-21S 447.98

FIRST STREET

VFW

MW-16S (destroyed)

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2011
DRAFTED BY: BCH/JCT

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0211-001-600

GROUNDWATER ISOPOTENTIAL MAP SEMI-ANNUAL MONITORING (OCTOBER 2010)

LONG-TERM GROUNDWATER MONITORING PROGRAM

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
SITE NO. C849004

PREPARED FOR
SENECA MARKET I, LLC

FIGURE 1

ATTACHMENT 1

LABORATORY ANALYTICAL DATA

Columbia Analytical Services™ 1 Mustard Street, Suite 250 | Rochester, NY 14609 | 585-288-5380 | 585-288-8475 fax | www.caslab.com

November 08, 2010 Service Request No: R1005877

Mr. Michael Lesakowski
Benchmark Environmental Engineering
2558 Hamburg Turnpike
Suite 300
Lackawanna, NY 14218

Laboratory Results for: Seneca Market/0092-002200

Dear Mr. Lesakowski:

Enclosed are the results of the sample(s) submitted to our laboratory on October 21, 2010. For your reference, these analyses have been assigned our service request number **R1005877**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 135. You may also contact me via email at JJaeger@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

JPatton for:

Janice Jaeger
Client Services Manager

CASE NARRATIVE

COMPANY: Benchmark Environmental Engineering
Seneca Market 0092-002200
SERVICE REQUEST #: R1005877

Benchmark samples were collected between 10/18-10/19/10 and received at CAS on 10/21/10 in good condition.

VOLATILE ORGANICS

Seven water samples and one Trip Blank were analyzed for a site specific list of Volatiles by Methods 8260 from SW-846.

All the initial and continuing calibration criteria were met for all analytes with the following exceptions. The 9/7/10 Initial Calibration (ICAL), Initial Calibration Verification (ICV) and Continuing Calibration Verification's (CCV) analyzed on 10/26/10 and 10/27/10 did not meet the minimum Response Factor of 0.1 for Acetone. All samples are associated with these CCV's, however sample concentrations were not detected and the MRL has been verified for accuracy during the ICAL.

The 10/26/10 CCV exceeded 20% difference criteria for Carbon Disulfide, Dichlorodifluoromethane and Methyl Acetate. Samples MW-1S, MW-4S, MW-7S, MW-9S, MW-10S and Trip Blank are associated with this CCV. The 10/27/10 CCV exceeded 20% difference criteria for Dichlorodifluoromethane and Methyl Acetate. Samples MW-3S and MW-21S are associated with this CCV. These samples may contain some bias for these compounds, however since all compounds did not exceed 40% difference the data was acceptable.

All surrogate standard recoveries were within limits.

Site specific QC was not requested. All Reference spike recoveries were within limits.

The Laboratory blanks associated with these samples were free of contamination.

All samples were analyzed within required holding times.

No other analytical or QC problems were encountered.

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1005877

Lab ID	Client ID
R1005877-001	MW-1S
R1005877-002	MW-3S
R1005877-003	MW-4S
R1005877-004	MW-7S
R1005877-005	MW-9S
R1005877-006	MW-10S
R1005877-007	MW-21S
R1005877-011	TRIP BLANK

Columbia Analytical Services™

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/19/10 1006
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 17:23
Sample Name:	MW-1S	**Units:**	µg/L
Lab Code:	R1005877-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2156.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/19/10 1006
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 17:23
Sample Name:	MW-1S	**Units:**	µg/L
Lab Code:	R1005877-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2156.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**1.1**		1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	**68**		1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	**17**		1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	**1.9**		1.0	
156-59-2	cis-1,2-Dichloroethene	**74**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	10/26/10 17:23	
Dibromofluoromethane	102	89-119	10/26/10 17:23	
Toluene-d8	100	87-121	10/26/10 17:23	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1429
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/27/10 13:36
Sample Name:	MW-3S	**Units:**	µg/L
Lab Code:	R1005877-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222504
Data File Name:	L2175.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1429
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/27/10 13:36
Sample Name:	MW-3S	**Units:**	µg/L
Lab Code:	R1005877-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222504
Data File Name:	L2175.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**3.3**		1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	10/27/10 13:36	
Dibromofluoromethane	104	89-119	10/27/10 13:36	
Toluene-d8	102	87-121	10/27/10 13:36	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1227
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 18:18
Sample Name:	MW-4S	**Units:**	µg/L
Lab Code:	R1005877-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2158.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1227
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 18:18
Sample Name:	MW-4S	**Units:**	µg/L
Lab Code:	R1005877-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2158.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85-122	10/26/10 18:18	
Dibromofluoromethane	102	89-119	10/26/10 18:18	
Toluene-d8	102	87-121	10/26/10 18:18	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1201
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 18:45
Sample Name:	MW-7S	**Units:**	µg/L
Lab Code:	R1005877-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2159.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	**10**		1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1201
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 18:45
Sample Name:	MW-7S	**Units:**	µg/L
Lab Code:	R1005877-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2159.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	**2.7**		1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	**1.8**		1.0	
156-59-2	cis-1,2-Dichloroethene	**2.8**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85-122	10/26/10 18:45	
Dibromofluoromethane	103	89-119	10/26/10 18:45	
Toluene-d8	102	87-121	10/26/10 18:45	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1359
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 19:12
Sample Name:	MW-9S	**Units:**	µg/L
Lab Code:	R1005877-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2160.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1359
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 19:12
Sample Name:	MW-9S	**Units:**	µg/L
Lab Code:	R1005877-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2160.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	**2.3**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	10/26/10 19:12	
Dibromofluoromethane	107	89-119	10/26/10 19:12	
Toluene-d8	104	87-121	10/26/10 19:12	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1126
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 19:40
Sample Name:	MW-10S	**Units:**	µg/L
Lab Code:	R1005877-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2161.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1126
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/26/10 19:40
Sample Name:	MW-10S	**Units:**	µg/L
Lab Code:	R1005877-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2161.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	**3.6**		1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85-122	10/26/10 19:40	
Dibromofluoromethane	103	89-119	10/26/10 19:40	
Toluene-d8	101	87-121	10/26/10 19:40	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1032
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/27/10 14:03
Sample Name:	MW-21S	**Units:**	µg/L
Lab Code:	R1005877-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222504
Data File Name:	L2176.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10 1032
Sample Matrix:	Water	**Date Received:**	10/21/10
		Date Analyzed:	10/27/10 14:03
Sample Name:	MW-21S	**Units:**	µg/L
Lab Code:	R1005877-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222504
Data File Name:	L2176.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	10/27/10 14:03	
Dibromofluoromethane	105	89-119	10/27/10 14:03	
Toluene-d8	102	87-121	10/27/10 14:03	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10
Sample Matrix:	Water	**Date Received:**	10/22/10
		Date Analyzed:	10/26/10 16:56
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1005877-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2155.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	10/18/10
Sample Matrix:	Water	**Date Received:**	10/22/10
		Date Analyzed:	10/26/10 16:56
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1005877-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2155.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85-122	10/26/10 16:56	
Dibromofluoromethane	100	89-119	10/26/10 16:56	
Toluene-d8	102	87-121	10/26/10 16:56	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	10/26/10 12:18
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009343-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2145.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	10/26/10 12:18
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009343-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222315
Data File Name:	L2145.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85-122	10/26/10 12:18	
Dibromofluoromethane	102	89-119	10/26/10 12:18	
Toluene-d8	102	87-121	10/26/10 12:18	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	10/27/10 13:09
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009392-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222504
Data File Name:	L2174.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1005877
Project:	Seneca Market/0092-002200	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	10/27/10 13:09
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1009392-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	222504
Data File Name:	L2174.D	**Instrument Name:**	R-MS-08
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85-122	10/27/10 13:09	
Dibromofluoromethane	105	89-119	10/27/10 13:09	
Toluene-d8	103	87-121	10/27/10 13:09	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market/0092-002200
Sample Matrix: Water

Service Request: R1005877
Date Analyzed: 10/26/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 222315

Analyte Name	Lab Control Sample RQ1009343-04 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	18.8	20.0	94	72 - 128
1,1,2,2-Tetrachloroethane	21.1	20.0	106	72 - 131
1,1,2-Trichloroethane	20.6	20.0	103	80 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	18.6	20.0	93	71 - 134
1,1-Dichloroethane (1,1-DCA)	20.6	20.0	103	76 - 122
1,1-Dichloroethene (1,1-DCE)	19.2	20.0	96	72 - 129
1,2,4-Trichlorobenzene	19.2	20.0	96	70 - 133
1,2-Dibromo-3-chloropropane (DBCP)	18.6	20.0	93	62 - 131
1,2-Dibromoethane	20.1	20.0	101	78 - 125
1,2-Dichlorobenzene	19.7	20.0	99	79 - 124
1,2-Dichloroethane	18.4	20.0	92	78 - 126
1,2-Dichloropropane	20.6	20.0	103	80 - 123
1,3-Dichlorobenzene	20.2	20.0	101	78 - 124
1,4-Dichlorobenzene	19.6	20.0	98	78 - 123
2-Butanone (MEK)	21.4	20.0	107	60 - 133
2-Hexanone	18.1	20.0	91	61 - 131
4-Methyl-2-pentanone	19.9	20.0	100	61 - 132
Acetone	18.3	20.0	92	59 - 140
Benzene	19.2	20.0	96	78 - 121
Bromodichloromethane	19.2	20.0	96	80 - 125
Bromoform	18.7	20.0	93	73 - 132
Bromomethane	22.0	20.0	110	57 - 144
Carbon Disulfide	20.7	20.0	103	59 - 138
Carbon Tetrachloride	17.7	20.0	88	69 - 135
Chlorobenzene	20.4	20.0	102	80 - 121
Chloroethane	19.7	20.0	99	71 - 130
Chloroform	20.3	20.0	101	78 - 125
Chloromethane	22.5	20.0	112	62 - 133
Cyclohexane	19.5	20.0	98	67 - 127
Dibromochloromethane	20.0	20.0	100	78 - 133
Dichlorodifluoromethane (CFC 12)	23.2	20.0	116	53 - 143
Dichloromethane	19.3	20.0	96	75 - 125

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market/0092-002200
Sample Matrix: Water

Service Request: R1005877
Date Analyzed: 10/26/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 222315

Lab Control Sample
RQ1009343-04

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	19.8	20.0	99	78 - 123
Isopropylbenzene (Cumene)	20.2	20.0	101	73 - 133
Methyl Acetate	18.6	20.0	93	57 - 157
Methyl tert-Butyl Ether	19.4	20.0	97	75 - 126
Methylcyclohexane	18.8	20.0	94	64 - 133
Styrene	19.9	20.0	100	80 - 132
Tetrachloroethene (PCE)	20.3	20.0	102	72 - 131
Toluene	20.0	20.0	100	78 - 122
Trichloroethene (TCE)	19.0	20.0	95	74 - 127
Trichlorofluoromethane (CFC 11)	20.0	20.0	100	71 - 139
Vinyl Chloride	22.4	20.0	112	71 - 136
cis-1,2-Dichloroethene	20.6	20.0	103	78 - 122
cis-1,3-Dichloropropene	18.3	20.0	91	77 - 125
m,p-Xylenes	41.5	40.0	104	79 - 126
o-Xylene	20.2	20.0	101	79 - 126
trans-1,2-Dichloroethene	19.8	20.0	99	75 - 121
trans-1,3-Dichloropropene	18.3	20.0	92	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market/0092-002200
Sample Matrix: Water

Service Request: R1005877
Date Analyzed: 10/27/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 222504

Analyte Name	Lab Control Sample RQ1009392-04 Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	19.7	20.0	98	72 - 128
1,1,2,2-Tetrachloroethane	20.8	20.0	104	72 - 131
1,1,2-Trichloroethane	20.9	20.0	104	80 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	19.3	20.0	96	71 - 134
1,1-Dichloroethane (1,1-DCA)	20.8	20.0	104	76 - 122
1,1-Dichloroethene (1,1-DCE)	19.1	20.0	96	72 - 129
1,2,4-Trichlorobenzene	20.4	20.0	102	70 - 133
1,2-Dibromo-3-chloropropane (DBCP)	19.6	20.0	98	62 - 131
1,2-Dibromoethane	20.2	20.0	101	78 - 125
1,2-Dichlorobenzene	20.1	20.0	100	79 - 124
1,2-Dichloroethane	17.9	20.0	90	78 - 126
1,2-Dichloropropane	20.7	20.0	103	80 - 123
1,3-Dichlorobenzene	20.0	20.0	100	78 - 124
1,4-Dichlorobenzene	20.5	20.0	103	78 - 123
2-Butanone (MEK)	20.9	20.0	104	60 - 133
2-Hexanone	17.8	20.0	89	61 - 131
4-Methyl-2-pentanone	19.6	20.0	98	61 - 132
Acetone	17.8	20.0	89	59 - 140
Benzene	19.4	20.0	97	78 - 121
Bromodichloromethane	19.5	20.0	98	80 - 125
Bromoform	19.5	20.0	97	73 - 132
Bromomethane	21.2	20.0	106	57 - 144
Carbon Disulfide	21.2	20.0	106	59 - 138
Carbon Tetrachloride	18.1	20.0	90	69 - 135
Chlorobenzene	20.6	20.0	103	80 - 121
Chloroethane	19.9	20.0	99	71 - 130
Chloroform	20.1	20.0	101	78 - 125
Chloromethane	22.6	20.0	113	62 - 133
Cyclohexane	19.8	20.0	99	67 - 127
Dibromochloromethane	19.6	20.0	98	78 - 133
Dichlorodifluoromethane (CFC 12)	23.7	20.0	118	53 - 143
Dichloromethane	19.9	20.0	100	75 - 125

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market/0092-002200
Sample Matrix: Water

Service Request: R1005877
Date Analyzed: 10/27/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 222504

Analyte Name	Lab Control Sample RQ1009392-04 Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	20.3	20.0	102	78 - 123
Isopropylbenzene (Cumene)	20.7	20.0	103	73 - 133
Methyl Acetate	18.9	20.0	94	57 - 157
Methyl tert-Butyl Ether	19.7	20.0	98	75 - 126
Methylcyclohexane	19.1	20.0	95	64 - 133
Styrene	20.1	20.0	100	80 - 132
Tetrachloroethene (PCE)	20.7	20.0	104	72 - 131
Toluene	20.3	20.0	102	78 - 122
Trichloroethene (TCE)	19.8	20.0	99	74 - 127
Trichlorofluoromethane (CFC 11)	20.4	20.0	102	71 - 139
Vinyl Chloride	22.3	20.0	111	71 - 136
cis-1,2-Dichloroethene	20.6	20.0	103	78 - 122
cis-1,3-Dichloropropene	18.9	20.0	94	77 - 125
m,p-Xylenes	41.3	40.0	103	79 - 126
o-Xylene	20.0	20.0	100	79 - 126
trans-1,2-Dichloroethene	19.8	20.0	99	75 - 121
trans-1,3-Dichloropropene	18.4	20.0	92	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Columbia Analytical Services™ CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

1 Mustard Street, Suite 250, Rochester, NY 14609 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax) PAGE 1 OF 1

SR #

CAS Contact

Project Name: Seneca Market LLC	Project Number: 0092-002-200
Project Manager: Mike Lesakowski	Report CC:
Company/Address: 2558 Hamburg Turnpike - Benchmark Env Lackawanna NY 14218	
Phone #: 716-856-0599	FAX#: 716-856 0583
Sampler's Signature:	Sampler's Printed Name: R.D

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐609 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW-1S		10-19-10	1006	W	3	V							
MW-3S		10-18-10	1429		3	V							
MW-4S			1227		3	V							
MW-7S			1201		3	V							
MW-9S			1359		3	V							
MW 10S			1126		3	V							
MW 21S			1032		3	V							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
✓ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report with Raw Data
____ V. Specialized Forms / Custom Report
Edata ____ Yes ____ No

INVOICE INFORMATION
PO#
BILL TO:
SERVICE REQUEST #:

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature: Matt Carr	Signature	Signature	Signature	Signature
Printed Name: R. DUBIS	Printed Name: Matthew Carroll	Printed Name	Printed Name	Printed Name	
Firm: Benchmark	Firm: CAS	Firm	Firm	Firm	
Date/Time: 10-19-10 1111	Date/Time: 10/21/10 1111	Date/Time	Date/Time	Date/Time	

R1005877
Benchmark Environmental Engineering
Seneca Market

Distribution: White - Return to Originator; Yellow - Lab Copy

SCOC Rev. 3/10

Cooler Receipt And Preservation Check Form

Project/Client Benchmark Submission Number R1005877.

Cooler received on 10/21/10 by: MLC **COURIER:** CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant* air bubbles?	YES	(NO)	N/A		
5.	Were ~~Ice or~~ **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	1°	5°			
	Is the temperature within 0° - 6° C?:	(Yes)	(Yes)	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No
	Date/Time Temperatures Taken:	10/21/10 1126				

Thermometer ID: (IR GUN#3) / IR GUN#4 Reading From: (Temp Blank) / (Sample Bottle)

If out of Temperature, note packing/ice condition, Client Approval to Run Samples:

PC Secondary Review: JMS 10/21/10

Cooler Breakdown: Date: 10/21/10 Time: 1316 by: JMS

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated	(N/A)	

Explain any discrepancies:

pH	Reagent	YES	NO	Lot Received	Exp
≥12	NaOH				
≤2	HNO_3				
≤2	H_2SO_4				
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid	
	$Na_2S_2O_3$	-	-		
	Zn Aceta	-	-		
	HCl	*	*	4110020	9/11

Sample ID	Vol. Added	Lot Added	Final pH

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: O-165-002

Other Comments:

PC Secondary Review: _____

*significant air bubbles are greater than 5-6 mm

Columbia Analytical Services™ 1 Mustard Street, Suite 250 | Rochester, NY 14609 | 585-288-5380 | 585-288-8475 fax | www.caslab.com

May 31, 2011 Service Request No: R1102662

Mr. Michael Lesakowski
Benchmark Environmental Engineering
2558 Hamburg Turnpike
Suite 300
Lackawanna, NY 14218

Laboratory Results for: Seneca Market LLC/0092-002-200

Dear Mr. Lesakowski:

Enclosed are the results of the sample(s) submitted to our laboratory on May 12, 2011. For your reference, these analyses have been assigned our service request number **R1102662**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 135. You may also contact me via email at JJaeger@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Janice Jaeger
Client Services Manager

CASE NARRATIVE

Client:	Benchmark	**Service Request:**	R1102662
Project:	Seneca Market LLC	**Project Number:**	0092-002-200
Sample Matrix:	Water	**Date Received:**	05/12/11

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II deliverables. When appropriate to the method, method blank and LCS results have been reported with each analytical test.

Sample Receipt

Samples were collected on 05/11/11 and received at CAS on 05/12/11 at a cooler temperature of 1.0-2.8°C in good condition except as noted on the cooler receipt and preservation check form. The samples were stored in a refrigerator at 1 - 6 °C upon receipt at the laboratory.

Volatile Organics

Eight water samples were analyzed for a site list of Volatile Organics by Method 8260C from SW-846.

All Tuning criteria for BFB were within QC limits.

All the initial calibration criteria were met for all analytes. All Continuing Calibration Verification (CCV) standards were within 20% except Dichlorodifluoromethane and Bromoform on the 05/16/11 CCV. All detected concentrations for these compounds associated with this CCV should be considered as estimated.

All Internal Standard Areas and surrogate standard recoveries were within QC limits.

All Surrogate Standard Recoveries were within acceptance limits.

The Laboratory Control Sample (LCS) recoveries were all acceptable except Bromoform was outside limits high on the 05/16/11 LCS and has been flagged with an "*". No data was affected.

Site specific QC was not requested for these samples.

The Method Blanks associated with these samples were free of contamination.

No other analytical or QC problems were encountered.

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1102662

Lab ID	Client ID
R1102662-001	MW-1SR
R1102662-002	MW-3SR
R1102662-003	MW-4S
R1102662-004	MW-7S
R1102662-005	MW-9S
R1102662-006	MW-10S
R1102662-007	MW-21S
R1102662-008	TRIP BLANK

Columbia Analytical Services INC

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Connecticut ID # PH0556
Delaware Accredited
DoD ELAP #65817
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1235
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 16:08
Sample Name:	MW-1SR	**Units:**	µg/L
Lab Code:	R1102662-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7841.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**8.4**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1235
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 16:08
Sample Name:	MW-1SR	**Units:**	µg/L
Lab Code:	R1102662-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7841.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**1.2**		1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	**71**		1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	**19**		1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	**3.3**		1.0	
156-59-2	cis-1,2-Dichloroethene	**110**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85-122	5/16/11 16:08	
Dibromofluoromethane	106	89-119	5/16/11 16:08	
Toluene-d8	106	87-121	5/16/11 16:08	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1155
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 16:38
Sample Name:	MW-3SR	**Units:**	µg/L
Lab Code:	R1102662-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7842.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**12**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1155
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 16:38
Sample Name:	MW-3SR	**Units:**	µg/L
Lab Code:	R1102662-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7842.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	**3.2**		1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85-122	5/16/11 16:38	
Dibromofluoromethane	106	89-119	5/16/11 16:38	
Toluene-d8	107	87-121	5/16/11 16:38	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1200
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 17:08
Sample Name:	MW-4S	**Units:**	µg/L
Lab Code:	R1102662-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7843.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**9.5**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1200
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 17:08
Sample Name:	MW-4S	**Units:**	µg/L
Lab Code:	R1102662-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7843.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85-122	5/16/11 17:08	
Dibromofluoromethane	104	89-119	5/16/11 17:08	
Toluene-d8	106	87-121	5/16/11 17:08	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1210
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 17:38
Sample Name:	MW-7S	**Units:**	µg/L
Lab Code:	R1102662-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7844.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	**8.5**		1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	**10**		1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	**2.8**		1.0	
98-82-8	Isopropylbenzene (Cumene)	**2.0**		1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1210
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 17:38
Sample Name:	MW-7S	**Units:**	µg/L
Lab Code:	R1102662-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7844.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	**4.8**		1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	**2.1**		1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	**1.4**		1.0	
156-59-2	cis-1,2-Dichloroethene	**4.4**		1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	**5.1**		2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85-122	5/16/11 17:38	
Dibromofluoromethane	104	89-119	5/16/11 17:38	
Toluene-d8	106	87-121	5/16/11 17:38	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1220
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 18:09
Sample Name:	MW-9S	**Units:**	µg/L
Lab Code:	R1102662-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7845.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**8.8**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1220
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 18:09
Sample Name:	MW-9S	**Units:**	µg/L
Lab Code:	R1102662-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7845.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85-122	5/16/11 18:09	
Dibromofluoromethane	104	89-119	5/16/11 18:09	
Toluene-d8	101	87-121	5/16/11 18:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1245
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 18:39
Sample Name:	MW-10S	**Units:**	µg/L
Lab Code:	R1102662-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7846.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**13**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1245
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 18:39
Sample Name:	MW-10S	**Units:**	µg/L
Lab Code:	R1102662-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7846.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	**4.3**		1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85-122	5/16/11 18:39	
Dibromofluoromethane	106	89-119	5/16/11 18:39	
Toluene-d8	101	87-121	5/16/11 18:39	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1136
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 19:09
Sample Name:	MW-21S	**Units:**	µg/L
Lab Code:	R1102662-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7847.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	**12**		5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1136
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 19:09
Sample Name:	MW-21S	**Units:**	µg/L
Lab Code:	R1102662-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7847.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	106	85-122	5/16/11 19:09	
Dibromofluoromethane	105	89-119	5/16/11 19:09	
Toluene-d8	105	87-121	5/16/11 19:09	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1300
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 19:39
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1102662-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7848.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	5/11/11 1300
Sample Matrix:	Water	**Date Received:**	5/12/11
		Date Analyzed:	5/16/11 19:39
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1102662-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7848.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85-122	5/16/11 19:39	
Dibromofluoromethane	105	89-119	5/16/11 19:39	
Toluene-d8	104	87-121	5/16/11 19:39	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/16/11 12:28
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1104603-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7834.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
71-55-6	1,1,1-Trichloroethane (TCA)	1.0	U	1.0	
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	
75-34-3	1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	
75-35-4	1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	
96-12-8	1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	
106-93-4	1,2-Dibromoethane	1.0	U	1.0	
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	
107-06-2	1,2-Dichloroethane	1.0	U	1.0	
78-87-5	1,2-Dichloropropane	1.0	U	1.0	
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	
78-93-3	2-Butanone (MEK)	5.0	U	5.0	
591-78-6	2-Hexanone	5.0	U	5.0	
108-10-1	4-Methyl-2-pentanone	5.0	U	5.0	
67-64-1	Acetone	5.0	U	5.0	
71-43-2	Benzene	1.0	U	1.0	
75-27-4	Bromodichloromethane	1.0	U	1.0	
75-25-2	Bromoform	1.0	U	1.0	
74-83-9	Bromomethane	1.0	U	1.0	
75-15-0	Carbon Disulfide	1.0	U	1.0	
56-23-5	Carbon Tetrachloride	1.0	U	1.0	
108-90-7	Chlorobenzene	1.0	U	1.0	
75-00-3	Chloroethane	1.0	U	1.0	
67-66-3	Chloroform	1.0	U	1.0	
74-87-3	Chloromethane	1.0	U	1.0	
110-82-7	Cyclohexane	1.0	U	1.0	
124-48-1	Dibromochloromethane	1.0	U	1.0	
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	
75-09-2	Dichloromethane	1.0	U	1.0	
100-41-4	Ethylbenzene	1.0	U	1.0	
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0	

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1102662
Project:	Seneca Market LLC/0092-002-200	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
		Date Analyzed:	5/16/11 12:28
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1104603-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method:	8260C	**Analysis Lot:**	246279
Data File Name:	J:\ACQUDATA\MSVOA12\DATA\051611\U7834.D\	**Instrument Name:**	R-MS-12
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	Note
79-20-9	Methyl Acetate	2.0	U	2.0	
1634-04-4	Methyl tert-Butyl Ether	1.0	U	1.0	
108-87-2	Methylcyclohexane	1.0	U	1.0	
100-42-5	Styrene	1.0	U	1.0	
127-18-4	Tetrachloroethene (PCE)	1.0	U	1.0	
108-88-3	Toluene	1.0	U	1.0	
79-01-6	Trichloroethene (TCE)	1.0	U	1.0	
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	U	1.0	
75-01-4	Vinyl Chloride	1.0	U	1.0	
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	
179601-23-1	m,p-Xylenes	2.0	U	2.0	
95-47-6	o-Xylene	1.0	U	1.0	
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85-122	5/16/11 12:28	
Dibromofluoromethane	105	89-119	5/16/11 12:28	
Toluene-d8	106	87-121	5/16/11 12:28	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market LLC/0092-002-200
Sample Matrix: Water

Service Request: R1102662
Date Analyzed: 5/16/11

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 246279

Analyte Name	Lab Control Sample RQ1104603-03 Result	Spike Amount	% Rec		% Rec Limits
1,1,1-Trichloroethane (TCA)	22.0	20.0	110		72 - 128
1,1,2,2-Tetrachloroethane	23.0	20.0	115		72 - 131
1,1,2-Trichloroethane	20.7	20.0	103		80 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	20.5	20.0	102		71 - 134
1,1-Dichloroethane (1,1-DCA)	22.0	20.0	110		76 - 122
1,1-Dichloroethene (1,1-DCE)	20.8	20.0	104		72 - 129
1,2,4-Trichlorobenzene	24.1	20.0	120		70 - 133
1,2-Dibromo-3-chloropropane (DBCP)	23.6	20.0	118		62 - 131
1,2-Dibromoethane	21.6	20.0	108		78 - 125
1,2-Dichlorobenzene	22.8	20.0	114		79 - 124
1,2-Dichloroethane	21.9	20.0	109		78 - 126
1,2-Dichloropropane	21.7	20.0	109		80 - 123
1,3-Dichlorobenzene	22.6	20.0	113		78 - 124
1,4-Dichlorobenzene	22.8	20.0	114		78 - 123
2-Butanone (MEK)	18.4	20.0	92		60 - 133
2-Hexanone	20.9	20.0	105		61 - 131
4-Methyl-2-pentanone	19.9	20.0	100		61 - 132
Acetone	20.6	20.0	103		59 - 140
Benzene	21.4	20.0	107		78 - 121
Bromodichloromethane	22.5	20.0	112		80 - 125
Bromoform	27.5	20.0	138	*	73 - 132
Bromomethane	16.5	20.0	83		57 - 144
Carbon Disulfide	20.8	20.0	104		59 - 138
Carbon Tetrachloride	23.2	20.0	116		69 - 135
Chlorobenzene	22.3	20.0	111		80 - 121
Chloroethane	22.2	20.0	111		71 - 130
Chloroform	22.3	20.0	111		78 - 125
Chloromethane	20.4	20.0	102		62 - 133
Cyclohexane	21.0	20.0	105		67 - 127
Dibromochloromethane	23.6	20.0	118		78 - 133
Dichlorodifluoromethane (CFC 12)	15.2	20.0	76		53 - 143
Dichloromethane	20.5	20.0	102		75 - 125

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market LLC/0092-002-200
Sample Matrix: Water

Service Request: R1102662
Date Analyzed: 5/16/11

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: µg/L
Basis: NA

Analysis Lot: 246279

Analyte Name	Lab Control Sample RQ1104603-03 Result	Spike Amount	% Rec	% Rec Limits
Ethylbenzene	22.5	20.0	112	78 - 123
Isopropylbenzene (Cumene)	25.5	20.0	127	73 - 133
Methyl Acetate	20.9	20.0	104	57 - 157
Methyl tert-Butyl Ether	20.5	20.0	102	75 - 126
Methylcyclohexane	20.2	20.0	101	64 - 133
Styrene	22.4	20.0	112	80 - 132
Tetrachloroethene (PCE)	20.7	20.0	103	72 - 131
Toluene	22.3	20.0	112	78 - 122
Trichloroethene (TCE)	21.0	20.0	105	74 - 127
Trichlorofluoromethane (CFC 11)	21.5	20.0	107	71 - 139
Vinyl Chloride	21.6	20.0	108	71 - 136
cis-1,2-Dichloroethene	22.4	20.0	112	78 - 122
cis-1,3-Dichloropropene	21.2	20.0	106	77 - 125
m,p-Xylenes	44.6	40.0	112	79 - 126
o-Xylene	22.0	20.0	110	79 - 126
trans-1,2-Dichloroethene	21.1	20.0	105	75 - 121
trans-1,3-Dichloropropene	20.5	20.0	103	69 - 127

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

1 Mustard Street, Suite 250, Rochester, NY 14609 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax)

Project Name: Seneca Markets LLC	Project Number: 0092-002-200
Project Manager: Mike Lesakowski	Report CC:
Company/Address: 2558 Hamburg Turnpike - Benchmark Env. Lackawanna NY 14218	
Phone #: 716-856-0599	E-mail:
Sampler's Signature:	Sampler's Printed Name: RLD

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☒ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608	PCB's ☐ 8082 ☐ 608	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
MW-15R		5-11-11	1735	W		X							
MW-3SR		↓	1155	↓		X							
MW-4S		↓	1200	↓		X							
MW-7S		↓	1210	↓		X							
MW-9S		↓	1220	↓		X							
MW-10S		↓	1245	↓		X							
MW-218		↓	1136	↓		X							
Trip Blank		↓	13:00	↓		X							

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other ______

SPECIAL INSTRUCTIONS/COMMENTS
~~Metals~~

Water in Jug to disposal By LAB

See QAPP ☐

STATE WHERE SAMPLES WERE COLLECTED:

TURNAROUND REQUIREMENTS
___ RUSH (SURCHARGES APPLY)
___ 1 day ___ 2 day ___ 3 day
___ 4 day ___ 5 day
✓ Standard

REQUESTED REPORT DATE

REPORT REQUIREMENTS
___ I. Results Only
___ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
___ III. Results + QC and Calibration Summaries
___ IV. Data Validation Report with Raw Data
Edata ___ Yes ___ No

INVOICE INFORMATION
PO #:
BILL TO:

R1102662
Benchmark Environmental Engineering
Seneca Market LLC

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	
Signature: [signature]	Signature: Daniel Ward	Signature	Signature	Signature	Signature
Printed Name	Printed Name: Daniel Ward	Printed Name	Printed Name	Printed Name	Printed Name
Firm	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 5/12/11 1555	Date/Time: 5/12/11 /1555	Date/Time	Date/Time	Date/Time	Date/Time

Cooler Receipt And Preservation Check Form

Project/Client Benchmark Folder Number R11-2662

Cooler received on 5/12/11 by: DW COURIER: CAS UPS FEDEX VELOCITY CLIENT

1.	Were custody seals on outside of cooler?			YES	NO	
2.	Were custody papers properly filled out (ink, signed, etc.)?			YES	NO	
3.	Did all bottles arrive in good condition (unbroken)?			YES	NO	
4.	Did VOA vials, Alkalinity, or Sulfide have significant* air bubbles?			YES	NO	N/A
5.	Were ~~Ice~~ or Ice packs present?			YES	NO	
6.	Where did the bottles originate?			CAS/ROC, CLIENT		
7.	Temperature of cooler(s) upon receipt:	2.8°	7.1/1.4° 5/12/11 DW	1.0°		
	Is the temperature within 0° - 6° C?:	Yes	Yes	Yes	Yes	Yes
	If No, Explain Below	No	~~No~~ 5/12/11 DW	No	No	No

Date/Time Temperatures Taken: 5/12/11 / 1612

Thermometer ID: IR GUN#3 / ~~IR GUN#4~~ Reading From: ~~Temp Blank~~ / Sample Bottle

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____

PC Secondary Review: JMS 5/13/11

Cooler Breakdown: Date: 5/13/11 Time: 1158 by: AWL

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	YES	NO
2.	Did all bottle labels and tags agree with custody papers?	YES	NO
3.	Were correct containers used for the tests indicated?	YES	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		N/A

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3								
≤2	H_2SO_4								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*	4110060	4/12				

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 1-045-004

Other Comments:

PC Secondary Review: JMS 5/18/11

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

July 29, 2010

Ms. Charlotte Theobald
NY State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

Re: Site No. C849004
Seneca Market I, LLC Site
Watkins Glen, New York
May 2010 Groundwater Monitoring Report

Dear Ms. Theobald:

On behalf of our client, Seneca Market I, LLC (Seneca Market), Benchmark Environmental Engineering & Science, PLLC (Benchmark) is herein transmitting the results from the May 2010 groundwater monitoring event at the Seneca Market Site in Watkins Glen, New York (Site; see Figure 1).

This groundwater monitoring events included sampling and analysis of MW-1SR, MW-3SR, MW-7S and MW-10S, MW-21s. Groundwater gauging of MW-4S and MW-9S was also completed. Groundwater samples from each of the sampled wells were analyzed for target compound list (TCL) volatile organic compounds (VOCs). Field parameters including pH, oxidation-reduction potential (ORP), dissolved oxygen (DO), temperature, turbidity, and specific conductance were also measured in each of the sampled monitoring wells. Table 1 summarizes the analytical and field results from the May 2010 groundwater monitoring event as well as historic groundwater monitoring events completed by Benchmark and the NYSDEC. The laboratory analytical package for the May 2010 groundwater monitoring event is included in Attachment 1.

As shown on Table 1, chlorinated VOCs were not detected above NYSDEC Class GA groundwater quality standards (GWQS) as listed in NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) (1.1.1) in MW-3SR, MW-7S, MW-10S or MW-21S. It is noteworthy that MW-3SR is located in the area of VOC source soil removal by Seneca Market and has decreased from 6,203 micrograms per liter (ug/L) total chlorinated VOCs in June 2000 to no detections of chlorinated VOCs in May 2010.

As noted in previous sampling events, concentrations of petroleum VOCs in MW-7S and MtBE in MW-3SR, MW-1SR may be the result of on-Site migration of petroleum VOCs from the adjacent and up-gradient NYSDEC petroleum spill site (Spill No. 0651369) located at the corner of North Franklin Street and Division Street. We understand that environmental investigation and/or remediation is on-going at that site.

Groundwater elevations in MW-1SR, MW-3SR, MW-7S, MW-10S, MW-4S and MW-9S were recorded. Table 2 shows the relative groundwater elevations and Figure 1 includes estimated

2558 Hamburg Turnpike, Suite 300 | Buffalo, NY 14218
phone: (716) 856-0599 | fax: (716) 856-0583

groundwater flow direction for the May 2010 event. The groundwater flow is generally consistent with historic groundwater gauging data.

Future groundwater sampling at the Site will be in accordance with your letter dated June 9, 2010.

Please contact us with any questions or comments.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC

Michael Lesakowski
Project Manager

Att.

c: P. Sheedy (Seneca Market I, LLC)
T. Costello (Seneca Market I, LLC)
Mark Sergott (NYSDOH- Troy)

TABLES

Benchmark Environmental Engineering & Science, PLLC

TABLE 1
SUMMARY OF GROUNDWATER MONITORING RESULTS
1st Semi-Annual Groundwater Monitoring Event (5/27) 2010

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK

Sample Location

Parameter [1]	MW-1SR 1/1/93[2]	MW-1SR 4/1/93[2]	MW-1SR 11/21/08	MW-1SR 02/27/09	MW-1SR 05/20/09	MW-1SR 09/23/09	MW-1SR 12/14/09	MW-1SR 05/27/10	MW-3SR 1/1/93[2]	MW-3SR 4/1/93[2]	MW-3SR 3/16/00[3]	MW-3SR 6/23/00[4]	MW-3SR 10/20/00[5]	MW-3SR 11/21/08	MW-3SR 02/27/09	MW-3SR 05/20/09	MW-3SR 09/23/09	MW-3SR 12/14/09	MW-3SR 05/27/10
TCL Volatile Organic Compounds (VOCs) - ug/L																			
Acetone	ND	ND	1.4 J	ND	ND	ND	ND	ND	R	R	ND	24	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	R	ND	2	ND	ND	ND	ND	ND	ND	ND
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	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
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	0.2 J	ND	ND	ND	ND	ND	ND	ND	1	13	4	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	91	75	72	71	79	80	NA	NA	NA	NA	NA	13	3	1.8	1.7	7.3	ND
trans-1,2-Dichloroethene	NA	NA	0.71 J	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	0.24 J	ND	ND	ND	ND	ND
Total 1,2-Dichloroethene	43	40	NA	NA	NA	NA	NA	ND	770	87	1900	5500	2200	NA	NA	NA	NA	NA	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	R	ND	ND	ND	ND	ND	ND	ND	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
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
Methyl tert butyl ether (MTBE)	ND	ND	1.8	1.6	2	1.7	1.7	1.9	ND	ND	ND	ND	ND	4.6	5.1	4.7	4	4.3	4.1
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	410	360	88	70	87	83	87	70	88	8	77	83	ND	24	ND	ND	ND	4.2	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	22 J	26	21	17	21	20	20	18	190	20	83	200	14	7.7	ND	ND	ND	1.8	ND
Vinyl chloride	ND	ND	1.5	1.7	1.4	1.7	1.8	3	38 J	ND	17	420	390	2.6	1.2	ND	ND	ND	ND
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND
m+p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	1.4	ND
Total VOCs	484.0	426.0	205.8	165.3	183.4	178.5	189.5	175.9	1086.0	115.0	2078.0	6277.0	2608.0	52.1	9.3	7.0	5.7	19.0	4.1
Total Chlorinated VOCs	475.0	426.0	202.2	163.7	181.4	175.7	187.8	171.0	1086.0	115.0	2077.0	6203.0	2604.0	47.5	4.2	2.0	1.7	13.3	0.0
Water Quality Parameters (mg/L)																			
Iron- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Manganese- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.94	5.49	5.6	4.91	ND	NA
Nitrate, mg/L-N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.3	17.1	17	16.7	ND	NA
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	454	430	544	415	ND	NA
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	66	63	ND	52	67	NA
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Ethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0008 J	ND	ND	ND	ND	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.051	0.049	0.13	0.074	0.074	NA
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	334	333	314	338	ND	NA
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6	36.6	23.9	4.26	2.6	3.5	3.5	ND	NA
Field Measurements (units as indicated)																			
pH (units)			7.00	7.03	6.86	6.60	6.71	6.93						7.08	6.96	6.94	6.70	6.90	7.10
Temperature (˚C)			11.4	11.5	17.2	18.6	11.9	14.9						11.7	10.8	14.2	19.6	13.2	16.1
Specific Conductance (uS)			2000	1663	1994	2107	2113	2127						2016	2000	1987	2028	2097	2038
Turbidity (NTU)			214	311	39.9	7.02	18.8	8.45						9.04	20.4	7.62	5.26	22	49.8
ORP (mV)			58	51	63	42	42	65						41	24	15	0	- 51	- 6
DO (ppm)			1.53	1.45	1.61	1.38	1.7	1.27						1.38	1.3	1.48	1.33	1.79	1.14

Parameter [1]	MW-7S 1/1/93[2]	MW-7S 4/1/93[2]	MW-7S 3/16/00[3]	MW-7S 6/23/00[4]	MW-7S 10/20/00[5]	MW-7S 11/21/08	MW-7S 02/27/09	MW-7S 05/20/09	MW-7S 09/23/09	MW-7S 12/14/10	MW-7S 05/27/10
TCL Volatile Organic Compounds (VOCs) - ug/L											
Acetone	R	ND	ND	ND	ND	ND	ND	34	41	35	ND
Benzene	6 J	R	7	11	ND	4.7	27	14	8.2	6.5	8.8
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	0.2 BJ	ND	ND	ND	ND	ND
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclohexane	ND	ND	ND	ND	ND	8.8	21	12	11	12	15
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	4.1	3.5	3	7.5	2.7	2.2
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND
Total 1,2-Dichloroethene	ND	3 J	6	36	6	NA	NA	NA	NA	NA	ND
Ethylbenzene	ND	6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	1.4	1.7	1.3	1.6
Methylcyclohexane	ND	ND	ND	ND	ND	1.4	6.9	4.4	5	5.1	5.1
Methylene chloride	R	R	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone (MIBK)	20	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
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	5	6	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	2	ND	0.69 J	5.7	5.7	ND	ND	ND
Trichloroethene	ND	ND	ND	4	2	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	1	3	ND	1.3	1.1	ND	2.1	1.1	1
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	ND
m+p Xylene	ND	ND	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	3.1
Total Xylene	ND	2 J	ND	ND	ND	0.3 J	3.3	8.3	5.8	3.8	ND
Total VOCs	26.0	11.0	14.0	61.0	14.0	26.0	72.2	86.3	82.3	67.5	36.8
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
Water Quality Parameters (mg/L)											
Iron- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate, mg/L-N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Organic Carbon	NA	NA	9.5	8	12.4	NA	NA	NA	NA	NA	NA
Field Measurements (units as indicated)											
pH (units)						7.15	7.13	7.01	6.77	6.84	7.03
Temperature (˚C)						11	10.6	15.3	17.6	13.2	14.5
Specific Conductance (uS)						2966	3252	4081	3416	3227	3720
Turbidity (NTU)						100	50.2	8.3	4.38	15.3	15.7
ORP (mV)						-87	-117	-139	- 140	- 113	- 130
DO (ppm)						1.47	2.27	1.36	0.97	1.3	1.42

Parameter [1]	MW-10S 1/1/93[2]	MW-10S 4/1/93[2]	MW-10S 11/21/08	MW-10S 11/21/08 Blind Duplicate	MW-10S 02/27/09	MW-10S 05/20/09	MW-10S 09/23/09	MW-10S 12/14/09	MW-10S 05/27/10	MW-21S 11/21/08	MW-21S 02/27/09	MW-21S 09/23/09	MW-21S 12/14/09	MW-21S 05/27/10	GWQS[6]
TCL Volatile Organic Compounds (VOCs) - ug/L															
Acetone	20	R	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	**50**
Benzene	ND	R	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1**
Bromomethane (Methyl bromide)	ND	ND	0.33 BJ	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
2-Butanone (MEK)	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**50**
Carbon disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**7**
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	**5**
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
cis-1,2-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	**5**
trans-1,2-Dichloroethene	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total 1,2-Dichloroethene	ND	ND	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	**5**
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methylene chloride	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
4-methyl-2-pentanone (MIBK)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**--**
Methyl tert butyl ether (MTBE)	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	**10**
Styrene	ND	0.6 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
1,1,2,2-Tetrachloroethane	ND	4 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Tetrachloroethene	6 J	R	3.2	3.2	4	2.5	2.5	3.7	3.7	ND	ND	ND	ND	ND	**5**
Toluene	ND	0.8 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.23 J	ND	1	ND	ND	**2**
o-Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
m+p Xylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total Xylene	ND	2 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**5**
Total VOCs	26.0	20.4	3.5	3.2	4.0	3.0	2.5	3.7	3.7	2.8	0.0	2.6	0.0	0.0	
Total Chlorinated VOCs	6.0	4.0	3.2	3.2	4.0	3.0	2.5	3.7	3.7	0.4	0.0	1.0	0.0	0.0	
Water Quality Parameters (mg/L)															
Iron- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300**
Manganese- Soluble	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**300**
Nitrate, mg/L-N	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**10**
Sulfate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**250**
Sulfide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**50**
Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**2.50E+08**
Carbon Dioxide	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Ethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Ethylene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Methane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Total Organic Carbon	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	**--**
Field Measurements (units as indicated)															
pH (units)			7.02	7.02	7.01	6.98	6.74	6.60	6.90	7.25	6.78	6.70	6.87	7.01	**6.5 - 8.5**
Temperature (˚C)			11.5	11.5	12	16.1	19.7	12.8	16.1	11.9	7.5	22.7	12.3	17.3	**--**
Specific Conductance (uS)			1538	1538	1421	1153	1348	1569	1520	1140	1510	1429	1440	1175	**--**
Turbidity (NTU)			88.1	88.1	28.2	25	7.8	9.83	25.7	5.35	8.81	1.53	1.7	3.31	**--**
ORP (mV)			27	27	15	1	13	22	5	-99	-99	-132	98	-41	**--**
DO (ppm)			1.35	1.35	2.15	3.56	2.2	1.66	1.81	1.04	1.18	1.14	1.54	1.07	**--**

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

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.

Excedeeds GWQS

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

TABLE 2

SUMMARY OF GROUNDWATER ELEVATIONS

First Semi-Annual Groundwater Monitoring Report (May 2010)
Seneca Market I, LLC Site
Watkins Glen, New York

Location	TOR Elevation (fmsl)	DTW (fbTOR)	Groundwater Elevation (fmsl)
MW-1SR	451.39	5.18	446.21
MW-3SR	451.89	5.53	446.36
MW-4S	450.68	4.41	446.27
MW-7S	450.85	4.61	446.24
MW-9S	453.57	7.39	446.18
MW-10S	452.01	5.81	446.20
MW-21S	453.09	5.14	447.95

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

F:\CAD\Benchmark\Krog\Seneca Harbor Hotel - Watkins Glen\GROUNDWATER MONITORING\2010\Figure 1; LTGWM Network & Iso Map (May 2010).dwg

LEGEND:

- BCP PROPERTY BOUNDARY
- HOTEL BUILDING
- FORMER STATE SUPERFUND SITE
- MW-3SR 444.9 — SHALLOW NETWORK MONITORING WELL (TO BE SAMPLED) WITH GROUNDWATER ELEVATION
- MW-4S 444.9 — SHALLOW NETWORK MONITORING WELL (WATER LEVEL ONLY) WITH GROUNDWATER ELEVATION
- MW-12S — EXISTING OFF-SITE MONITORING WELL
- 446.1 — GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION

MW-12S

MW-10S 446.20

MW-1SR 446.21

446.2

MW-9S 446.18

MW-7S 446.24

FRANKLIN STREET

446.3

MW-4S 446.27

MW-3SR 446.36

446.4

VFW

MW-21S 447.95

FIRST STREET

DECATUR STREET

MW-16S (destroyed)

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: JULY 2010
DRAFTED BY: BCH/JCT

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0211-001-600

LTGWM NETWORK & ISOPOTENTIAL MAP SEMI-ANNUAL MONITORING (MAY 2010)

LONG-TERM GROUNDWATER MONITORING PROGRAM

SENECA MARKET I, LLC SITE
WATKINS GLEN, NEW YORK
SITE NO. C849004

PREPARED FOR
SENECA MARKET I, LLC

FIGURE 1

ATTACHMENT 1

LABORATORY ANALYTICAL DATA

BENCHMARK

Columbia Analytical Services™ 1 Mustard Street, Suite 250 | Rochester, NY 14609 | 585-288-5380 | 585-288-8475 fax | www.caslab.com

June 11, 2010 Service Request No: R1002869

Mr. Michael Lesakowski
Benchmark Environmental Engineering
2558 Hamburg Turnpike
Suite 300
Lackawanna, NY 14218

Laboratory Results for: Seneca Market

Dear Mr. Lesakowski:

Enclosed are the results of the sample(s) submitted to our laboratory on May 27, 2010. For your reference, these analyses have been assigned our service request number **R1002869**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please contact me if you have any questions. My extension is 135. You may also contact me via email at JJaeger@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Janice Jaeger
Client Services Manager

CASE NARRATIVE

This report contains analytical results for the following samples:
Service Request Number: R1002869

Lab ID	Client ID
R1002860-002	Batch QC
R1002869-001	MW-10S
R1002869-002	MW-1SR
R1002869-003	MW-7S
R1002869-004	MW-21S
R1002869-005	MW-3SR
R1002869-006	TRIP BLANK

All samples were received in good condition unless otherwise noted on the cooler receipt and preservation check form located at the end of this report.

All samples were preserved in accordance with approved analytical methods.

All samples have been analyzed by the approved methods cited on the analytical results pages.

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

All sampling activities performed by CAS personnel have been in accordance with "CAS Field Procedures and Measurements Manual" or by client specifications.

Columbia Analytical Services INC

REPORT QUALIFIERS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
E	Organics- Concentration has exceeded the calibration range for that specific analysis.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
*	Indicates that a quality control parameter has exceeded laboratory limits.
#	Spike was diluted out.
+	Correlation coefficient for MSA is <0.995.
N	Inorganics- Matrix spike recovery was outside laboratory limits.
N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
S	Concentration has been determined using Method of Standard Additions (MSA).
W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
P	Concentration >40% (25% for CLP) difference between the two GC columns.
C	Confirmed by GC/MS
Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).
X	See Case Narrative for discussion.

ACCREDITED IN ACCORDANCE WITH nelac

CAS/Rochester Lab ID # for State Certifications[1]

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Nebraska Accredited
Navy Facilities Engineering Service Center Approved
Nevada ID # NY-00032
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable, except as noted in the laboratory case narrative provided. For a specific list of accredited analytes, refer to the certifications section at www.caslab.com.

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 0914
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-10S	**Units:**	µg/L
Lab Code:	R1002869-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 14:09		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 14:09		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 14:09		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 14:09		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 14:09		203489	
Benzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Cyclohexane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 0914
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-10S	**Units:**	µg/L
Lab Code:	R1002869-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 14:09		203489	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Tetrachloroethene (PCE)	**3.7**		1.0	1	NA	6/4/10 14:09		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
Vinyl Chloride	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 14:09		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 14:09		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	103	85-122	6/4/10 14:09		
Dibromofluoromethane	104	89-119	6/4/10 14:09		
Toluene-d8	106	87-121	6/4/10 14:09		

Comments:

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 0952
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-1SR	**Units:**	µg/L
Lab Code:	R1002869-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 14:37		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 14:37		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 14:37		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 14:37		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 14:37		203489	
Benzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Cyclohexane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	

Comments:

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 0952
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-1SR	**Units:**	µg/L
Lab Code:	R1002869-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 14:37		203489	
Methyl tert-Butyl Ether	**1.9**		1.0	1	NA	6/4/10 14:37		203489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Tetrachloroethene (PCE)	**70**		1.0	1	NA	6/4/10 14:37		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Trichloroethene (TCE)	**18**		1.0	1	NA	6/4/10 14:37		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
Vinyl Chloride	**3.0**		1.0	1	NA	6/4/10 14:37		203489	
cis-1,2-Dichloroethene	**80**		1.0	1	NA	6/4/10 14:37		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 14:37		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 14:37		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	101	85-122	6/4/10 14:37		
Dibromofluoromethane	105	89-119	6/4/10 14:37		
Toluene-d8	103	87-121	6/4/10 14:37		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 1013
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-7S	**Units:**	µg/L
Lab Code:	R1002869-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 15:04		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 15:04		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 15:04		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 15:04		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 15:04		203489	
Benzene	**8.8**		1.0	1	NA	6/4/10 15:04		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Cyclohexane	**15**		1.0	1	NA	6/4/10 15:04		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 1013
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-7S	**Units:**	µg/L
Lab Code:	R1002869-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	**1.6**		1.0	1	NA	6/4/10 15:04		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 15:04		203489	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Methylcyclohexane	**5.1**		1.0	1	NA	6/4/10 15:04		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
Vinyl Chloride	**1.0**		1.0	1	NA	6/4/10 15:04		203489	
cis-1,2-Dichloroethene	**2.2**		1.0	1	NA	6/4/10 15:04		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
m,p-Xylenes	**3.1**		2.0	1	NA	6/4/10 15:04		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:04		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	104	85-122	6/4/10 15:04		
Dibromofluoromethane	108	89-119	6/4/10 15:04		
Toluene-d8	105	87-121	6/4/10 15:04		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 1037
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-21S	**Units:**	µg/L
Lab Code:	R1002869-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 15:31		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 15:31		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 15:31		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 15:31		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 15:31		203489	
Benzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Cyclohexane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 1037
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-21S	**Units:**	µg/L
Lab Code:	R1002869-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 15:31		203489	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
Vinyl Chloride	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 15:31		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:31		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	104	85-122	6/4/10 15:31		
Dibromofluoromethane	109	89-119	6/4/10 15:31		
Toluene-d8	103	87-121	6/4/10 15:31		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 1057
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-3SR	**Units:**	µg/L
Lab Code:	R1002869-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 15:59		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 15:59		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 15:59		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 15:59		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 15:59		203489	
Benzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Cyclohexane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 1057
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	MW-3SR	**Units:**	µg/L
Lab Code:	R1002869-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 15:59		203489	
Methyl tert-Butyl Ether	**4.1**		1.0	1	NA	6/4/10 15:59		203489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
Vinyl Chloride	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 15:59		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:59		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	105	85-122	6/4/10 15:59		
Dibromofluoromethane	107	89-119	6/4/10 15:59		
Toluene-d8	104	87-121	6/4/10 15:59		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 0914
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1002869-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 16:26		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 16:26		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 16:26		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 16:26		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 16:26		203489	
Benzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Cyclohexane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	5/27/10 0914
Sample Matrix:	Water	**Date Received:**	5/27/10
Sample Name:	TRIP BLANK	**Units:**	µg/L
Lab Code:	R1002869-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 16:26		203489	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
Vinyl Chloride	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 16:26		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 16:26		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	106	85-122	6/4/10 16:26		
Dibromofluoromethane	109	89-119	6/4/10 16:26		
Toluene-d8	109	87-121	6/4/10 16:26		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1004419-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	6/4/10 11:35		203489	
1,2-Dibromoethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,2-Dichloroethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,2-Dichloropropane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
2-Butanone (MEK)	5.0	U	5.0	1	NA	6/4/10 11:35		203489	
2-Hexanone	5.0	U	5.0	1	NA	6/4/10 11:35		203489	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	6/4/10 11:35		203489	
Acetone	5.0	U	5.0	1	NA	6/4/10 11:35		203489	
Benzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Bromodichloromethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Bromoform	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Bromomethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Carbon Disulfide	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Carbon Tetrachloride	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Chlorobenzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Chloroethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Chloroform	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Chloromethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Cyclohexane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Dichloromethane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Benchmark Environmental Engineering	**Service Request:**	R1002869
Project:	Seneca Market	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ1004419-01	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 11:35		203489	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Styrene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Toluene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
Vinyl Chloride	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 11:35		203489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 11:35		203489	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	105	85-122	6/4/10 11:35		
Dibromofluoromethane	105	89-119	6/4/10 11:35		
Toluene-d8	105	87-121	6/4/10 11:35		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water

Service Request: R1002869
Date Analyzed: 6/ 4/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 203489

Analyte Name	Lab Control Sample RQ1004419-02 Result	Expected	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	**21.4**	20.0	107	72 - 128
1,1,2,2-Tetrachloroethane	**17.9**	20.0	90	72 - 131
1,1,2-Trichloroethane	**18.8**	20.0	94	80 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	**20.9**	20.0	105	71 - 134
1,1-Dichloroethane (1,1-DCA)	**20.9**	20.0	104	76 - 122
1,1-Dichloroethene (1,1-DCE)	**19.8**	20.0	99	72 - 129
1,2,4-Trichlorobenzene	**18.3**	20.0	92	70 - 133
1,2-Dibromo-3-chloropropane (DBCP)	**18.5**	20.0	92	62 - 131
1,2-Dibromoethane	**18.1**	20.0	90	78 - 125
1,2-Dichlorobenzene	**18.5**	20.0	92	79 - 124
1,2-Dichloroethane	**21.2**	20.0	106	78 - 126
1,2-Dichloropropane	**19.3**	20.0	97	80 - 123
1,3-Dichlorobenzene	**18.4**	20.0	92	78 - 124
1,4-Dichlorobenzene	**18.4**	20.0	92	78 - 123
2-Butanone (MEK)	**19.7**	20.0	98	60 - 133
2-Hexanone	**18.2**	20.0	91	61 - 131
4-Methyl-2-pentanone	**18.1**	20.0	91	61 - 132
Acetone	**18.8**	20.0	94	59 - 140
Benzene	**19.0**	20.0	95	78 - 121
Bromodichloromethane	**19.8**	20.0	99	80 - 125
Bromoform	**17.5**	20.0	88	73 - 132
Bromomethane	**22.1**	20.0	110	57 - 144
Carbon Disulfide	**20.3**	20.0	101	59 - 138
Carbon Tetrachloride	**19.7**	20.0	98	69 - 135
Chlorobenzene	**18.6**	20.0	93	80 - 121
Chloroethane	**19.9**	20.0	100	71 - 130
Chloroform	**20.2**	20.0	101	78 - 125
Chloromethane	**21.0**	20.0	105	62 - 133
Cyclohexane	**19.5**	20.0	98	67 - 127
Dibromochloromethane	**19.1**	20.0	95	78 - 133
Dichlorodifluoromethane (CFC 12)	**21.9**	20.0	109	53 - 143
Dichloromethane	**19.2**	20.0	96	75 - 125
Ethylbenzene	**19.0**	20.0	95	78 - 123
Isopropylbenzene (Cumene)	**20.5**	20.0	102	73 - 133
Methyl Acetate	**17.5**	20.0	88	57 - 157
Methyl tert-Butyl Ether	**19.4**	20.0	97	75 - 126

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water

Service Request: R1002869
Date Analyzed: 6/ 4/10

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 203489

Analyte Name	Lab Control Sample RQ1004419-02 Result	Expected	% Rec	% Rec Limits
Methylcyclohexane	**19.4**	20.0	97	64 - 133
Styrene	**17.9**	20.0	90	80 - 132
Tetrachloroethene (PCE)	**17.9**	20.0	89	72 - 131
Toluene	**19.5**	20.0	98	78 - 122
Trichloroethene (TCE)	**19.3**	20.0	97	74 - 127
Trichlorofluoromethane (CFC 11)	**22.3**	20.0	111	71 - 139
Vinyl Chloride	**21.5**	20.0	108	71 - 136
cis-1,2-Dichloroethene	**19.1**	20.0	96	78 - 122
cis-1,3-Dichloropropene	**18.4**	20.0	92	77 - 125
m,p-Xylenes	**37.7**	40.0	94	79 - 126
o-Xylene	**18.5**	20.0	92	79 - 126
trans-1,2-Dichloroethene	**19.4**	20.0	97	75 - 121
trans-1,3-Dichloropropene	**18.6**	20.0	93	69 - 127

Comments:

Columbia Analytical Services

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR #

CAS Contact

1 Mustard Street, Suite 250, Rochester, NY 14609 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax) PAGE 1 OF 1

Project Name: Seneca Markets GWM	Project Number:
Project Manager: M Leszkowski	Report CC:
Company/Address: Benchmark Eng 2558 Hamburg Turnpike Lackawanna NY 14218	
Phone #	FAX#
Sampler's Signature	Sampler's Printed Name

ANALYSIS REQUESTED *(Include Method Number and Container Preservative)*

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☒ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	REMARKS/ ALTERNATE DESCRIPTION
mw-10s		5/27	914		3								
mw-1sR			952		3								
mw-7s			1013		3								
mw-21s			1037		3								
mw-3sR			1057		1								
Trip Blank					3								

Preservative Key
0. NONE
1. HCL
2. HNO_3
3. H_2SO_4
4. NaOH
5. Zn. Acetate
6. MeOH
7. $NaHSO_4$
8. Other _____

SPECIAL INSTRUCTIONS/COMMENTS
Metals

See QAPP ☐

TURNAROUND REQUIREMENTS
_____ RUSH (SURCHARGES APPLY)
____ 24 hr ____ 48 hr ____ 5 day
_____ STANDARD
REQUESTED FAX DATE
REQUESTED REPORT DATE

REPORT REQUIREMENTS
____ I. Results Only
____ II. Results + QC Summaries (LCS, DUP, MS/MSD as required)
____ III. Results + QC and Calibration Summaries
____ IV. Data Validation Report
____ V. Specialized Forms / Cu
Edata ____ Yes

INVOICE INFORMATION
PO#
BILL TO:

R1002869
Benchmark Environmental Engineering
Seneca Market

SAMPLE RECEIPT: CONDITION/COOLER TEMP: _____ CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Thomas A Behrendt	Printed Name: Gregory LaForce	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Benchmark	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 5/27/10 1352	Date/Time: 5/27/10 1352	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy

SCOC Rev. 3/10

Cooler Receipt And Preservation Check Form

Project/Client Benchmark Submission Number R10-2869

Cooler received on 5/27/10 by: @ **COURIER:** CAS UPS FEDEX VELOCITY (CLIENT)

1.	Were custody seals on outside of cooler?	YES	(NO)			
2.	Were custody papers properly filled out (ink, signed, etc.)?	(YES)	NO			
3.	Did all bottles arrive in good condition (unbroken)?	(YES)	NO			
4.	Did any VOA vials have significant* air bubbles?	(YES)	NO			N/A
5.	Were **Ice** or **Ice packs** present?	(YES)	NO			
6.	Where did the bottles originate?	(CAS/ROC)	CLIENT			
7.	Temperature of cooler(s) upon receipt:	6°				
	Is the temperature within 0° - 6° C?:	(Yes)	Yes	Yes	Yes	Yes
	If No, Explain Below	No	No	No	No	No

Blind DUP 1 VIAL

Date/Time Temperatures Taken: 5/27/10 1400

Thermometer ID: IR GUN#3 / (IR GUN#4) Reading From: ~~Temp Blank~~ / Sample Bottle

If out of Temperature, note packing/ice condition, Client Approval to Run Samples:

PC Secondary Review: JMS 5/27/10

Cooler Breakdown: Date: 5/27/10 by: BO

1.	Were all bottle labels complete (*i.e.* analysis, preservation, etc.)?	(YES)	NO
2.	Did all bottle labels and tags agree with custody papers?	(YES)	NO
3.	Were correct containers used for the tests indicated?	(YES)	NO
4.	Air Samples: Cassettes / Tubes Intact Canisters Pressurized Tedlar® Bags Inflated		(N/A)

Explain any discrepancies:

pH	Reagent	YES	NO	Lot Received	Exp
≥12	NaOH				
≤2	HNO_3				
≤2	H_2SO_4				
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid	
	$Na_2S_2O_3$	-	-		
	Zn Aceta	-	-		
	HCl	*	*	4109100	4/11

Sample ID	Vol. Added	Lot Added	Final pH

*Not to be tested before analysis – pH tested and recorded by VOAs or GenChem on a separate worksheet

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 9-356-001

Other Comments:

PC Secondary Review: JMS 6/2/10

*significant air bubbles are greater than 5-6 mm