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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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 requirement 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 landuse 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.

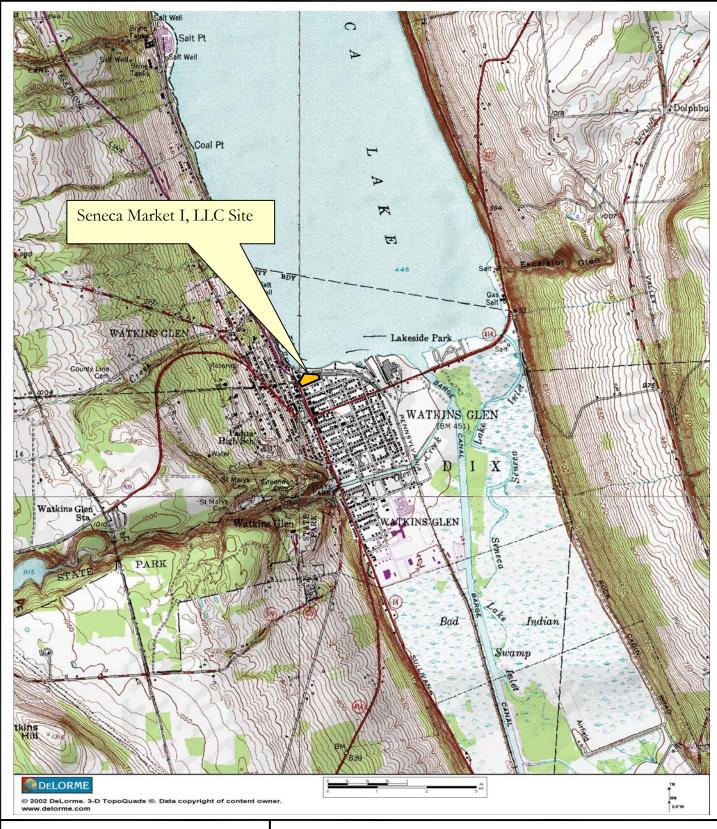
This report has been prepared for the exclusive use of Seneca Market I, LLC. The contents of this report are limited to information available at the time of the site inspection. The findings herein may be relied upon only at the discretion of Seneca Market I, LLC. Use of or reliance upon this report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



FIGURES



FIGURE 1





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

PROJECT NO.: 0212-001-600

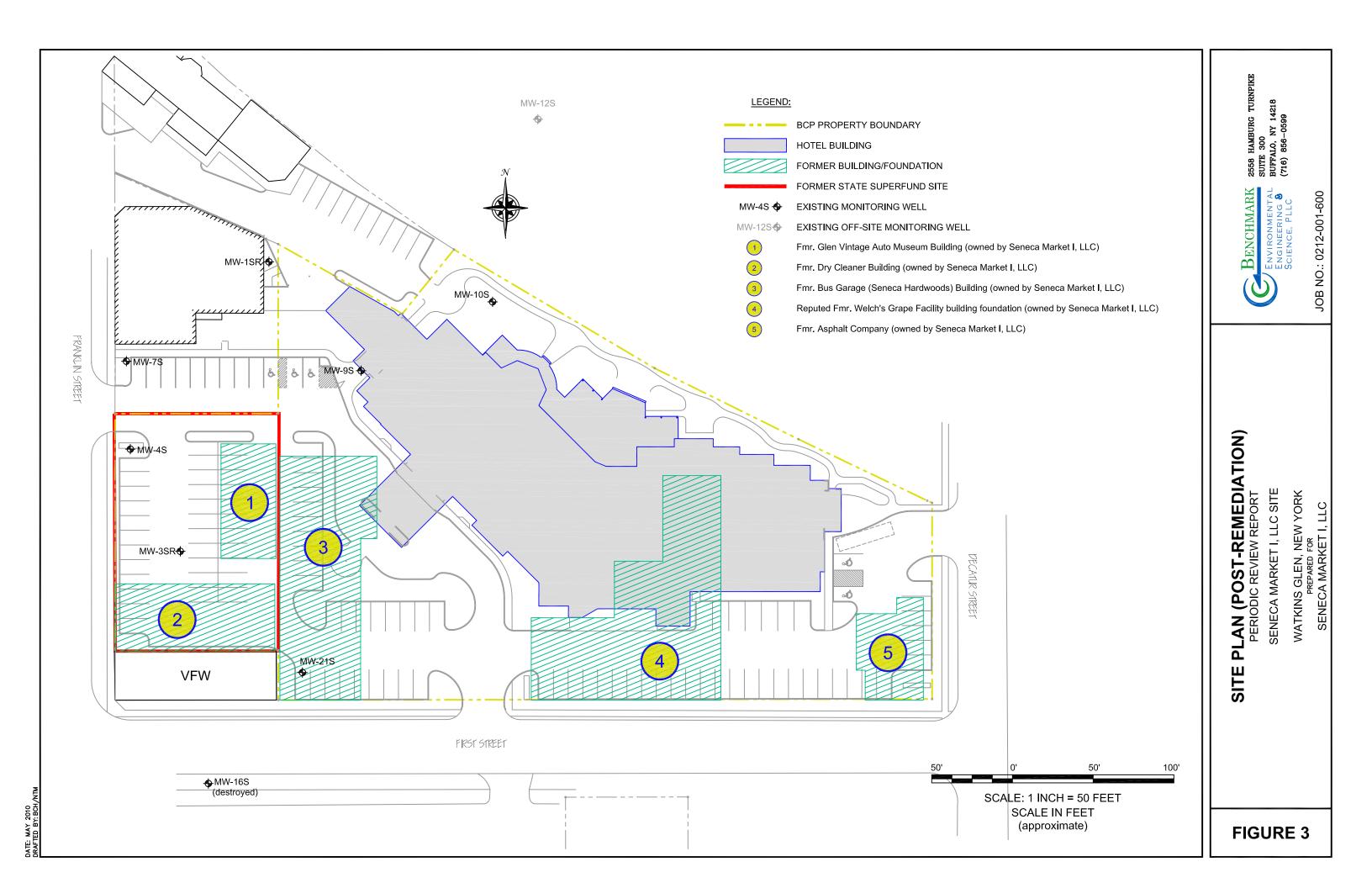
DATE: MAY 2010 DRAFTED BY: NTM

SITE LOCATION AND VICINITY MAP

PERIODIC REVIEW REPORT SENECA MARKET I, LLC SITE

WATKINS GLEN, NEW YORK
PREPARED FOR
SENECA MARKET I, LLC





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 Site No. C849004					
	Sit	e Name Se	neca Market 1, LLC	site	•	
	Cit	e Address: y/Town: Wa unty:Schuyle e Acreage: ;	er	Zip Code: 14819		
	Re	porting Perio	od: June 15, 2010 to	June 15, 2011	•	
					YES	NO
	1.	Is the inforr	nation above correct		\x(1	
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-	2.	Has some		erty been sold, subdivided, merged, or undergone a		×
	3.		peen any change of t RR 375-1.11(d))?	use at the site during this Reporting Period		×
	4.		ederal, state, and/or property during this	local permits (e.g., building, discharge) been issued Reporting Period?		×
				ions 2 thru 4, include documentation or evidence previously submitted with this certification form		
	5.	is the site c	urrently undergoing	development?		
	•		, my Arman was r		Box 2	
					YES	NO
	6.		nt site use consisten I and Industrial	t with the use(s) listed below?	×	
	7.	Are all ICs/	ECs in place and fun	ctioning as designed?	A	
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	Sigr	nature of Owi	ner, Remedial Party o	r Designated Representative Date		

	•	Box 2	2A
8.	Has any new information revealed that assumptions made in the Qualitative Exposure Assessment regarding offsite contamination are no longer valid?	YES	óи Ж
	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 Ir	stitutional Controls	
Parcel	<u>Owner</u>	<u>Institutional Control</u>
5.09-2-56	Seneca Market 1, LLC	
	,	Ground Water Use Restriction
		Landuse Restriction
		Site Management Plan
		Soil Management Plan
5.09-2-58	Seneca Market 1, LLC	
	•	Ground Water Use Restriction
		Landuse Restriction
		Site Management Plan
		Soil Management Plan
5.09-2-59.1	Seneca Market 1, LLC	
		Ground Water Use Restriction
	•	Landuse Restriction
	•	Site Management Plan
		Soil Management Plan
5.09-2-61.2	Seneca Market 1, LLC	Common di Matani III a Da atriatiana
•		Ground Water Use Restriction Landuse Restriction
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65.09-2-61.2		
	Cover System	
	Vapor Mitigation	•

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.

	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
2.	If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:
	(a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
	(b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
	(c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
	(d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
÷	(e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.
	YES NO
	>
	IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM.
	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 REPRES I certify that all information and statements in Boxes 2 and/o statement made herein is punishable as a Class "A" misder Penal Law. I	or 3 are true. I understand that a false meanor, pursuant to Section 210.45 of the as St. Bettalowy. usiness address (Owner or Remedial Party)
IC/EC CERTIFICATIO	
Signature	Box 7
I certify that all Information in Boxes 4 and 5 are true. I under	erstand that a false statement made herein is
punishable as a Class "A" misdemeanor, pursuant to Section	1
Michael Losakowski at 2558 print name print be	Hanburg Turn Pike, Buttale, Musiness address
am certifying as a for the	(Owner or Remedial Party)
. /	•
46-1	7/14/u
Signature of , for the Owner or Remedial Party, Rendering Certification	Stamp Date (Required for PE)

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



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9-13-10	. 75-	and the state of t	8:00 AM
9-14-10	174	. 90	8:00 MM
9-15-16	and the second of the second o	are a surger of the committee of the com	7:00 An
the second street adjugate as to republic a consequence of the second consequence of the second consequence of the second	,74	, 90	7/00 An
9:16:10	74	,90	7:00 Any
9-17-10	,74	.90	7:00 An
7.18-10	:,74	.90	7.00 Ay
9-19-10	.74	· Po	· ·
9-20-10	. 75	المستريدة والمراب والم	8:00 AM
9-21-10	.74	90	8:00 AM
7-22-10	74.	· market and the control of the cont	7:30 AM -
9.23-10	.74	.90	7-30 Am
9.24-10	174	. 80	7.01 Am
7.25-10	tion of the proof of the device of the property of the proof of the pr	.90	7:00 AM
Port 15 for Miles, the part of the property and become any and any	1	and the same of th	7:00 Dm
9-26-10	074	· 90	8: 00 AM
4-27-10.	.74	.90	8:00 AM
9.2870	. 74	(90	7:30 Am
9:29:10	market and the first and and a second	, 90	7:00 nm
9-30-10	74	.70	7:00Am
	The state of the s	The same of the sa	V TJ

MONTH OCT.

	•		
DATE	LINE 5	LINE 10	Time
	174	90	7:00 AM
2	172	,90	7:00 AM
3	24	. 86	
4	174	185	8:00 AM
5	174	,85	8:00 AM
G.	74	85	7:00 An
	74	85	7,00 Am
8	.72	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	700 AM
9	172	.85	.7:00 Am
10	.74	,85	7100Am
11	and the other productions in the state of th	. 85	\$100AM
	74	.85	8:00 Am
13	,74	. 85	8:00 AM
	,74	.85	8:00 AM
14.	man and the second second	.85	7:00 AM
15	, 74	185	
16	.74	186	7:00 AM
17	174	, 86	7:00 AM
18	• 74	85	8:00 AM
19.	er en en Tamme prime entre entretable la segui se entreta en la segui de algun espera en la company de la comp	n a compositivo en contrato en entre en en en en en en entre en entre en entre en entre de entre de entre de e En en	5100AM
and the second of the second o	and the state of t	وسائده معادلة المعادلة	the state of the s
1 1	ويعالم والمراور	h de la calainn agus an taraigh agus an ann agha an aireigh preuigh a bhair girinn se ann an ar an an	
The street of the state of the	and the contract of the second of the contract	والإساراء والمعارضة في والإنجاز والمناطقة والمناطقة والمناطقة والمناطقة والمناطقة والمناطقة والمناطقة والمناطقة	در در این از در از در از در
2	And the first of the contraction in the contraction of the contraction	er a som e tre alle ta som emme mine see en est e a care emparate de la care se care en est en est en est esta	of the first section of the section by the section of the section
32	et transfer that are updated to obtain his way to be a properly a few many many many or a construction of the construction of	a constant - market to the secretary of the second for the first second for the second	I was a same
A Comment of the comm	e en tropicação esta esta en ententra propriada de parte a propria appreciações de presentada en estada que de e	The state and a second	Alternate from the product and design and design and design and design as a surround of the second
A S	Manager School State (1984) to the state of	One the hold professional professional professional profession in a framework of the section of the section of	al service distance for the state of the selection of the
26 million i sisma statumina sa para s	ر المنظم	the first way to the head because the same major stable and appears a management adoption prompty to become major	
All market and the second and the se	The second of the second of the second second of the secon	- Des J. Market. On a secure of the original and a secure of the original and the original	
A8	and the second	The state of the s	A THE CONTRACTOR OF THE REAL PLANTS CONTRACTOR CONTRACTOR OF THE PROPERTY OF T
The second secon	ing a sungan and manggaring the control of the facility of a significant of the facility of th	N. W. Company of the	in the second of the second se
***************************************		and a second to a second a second and a second and a second as	داد الأحواج والمساورة والم
31	The state of the s	anth-ad-adapti (in the file of a color) as color in the Barbands of an anth-adapting to the adapting an advantage in the adapting and an advantage in the adapting and a color adapting an adapting analysis and adapting an adapting adapting an adapting an adapting an adapting adapting an adapting adapting an adapting	enant in annual constitution of the constituti

MONTH NOVEMBER /10

DATE	LINE 5	LINE 10	Time
MOV 1	ه 75	. 90	8:00 Am
2	.74	,84	8:00 AM
***************************************	, 74	184	8:00 AM
4	. 74	, 83	7: QO ANI
	474	.84	7:00 AM
Commence of the second	e 74	184	7:00 AM
- Committee of the comm	, 74	183	8:00 AM
8	674	.84	8100 AM
	.74	186	8:00 AM
10	.74	.84	8:00 AM
11	.74	, 84	7:00 AM
12	. ,74	94	8:00 AM
13	.74	, 84	
. 14	174	184	7:00 AM 8:00AM
15	174	183	The same of the sa
16	endante anno arte de tratación en subsequente de la cinera estada en escalación de la companya del companya del companya de la	ويها يعير ولا والصلاف والمعاولة المتروز المتروز والمتحاف المتماع المتعال المتعال المتحال المتحافظ والمتحافظ والمتحافظ	8100AM
17	,74	,83	8:00 AM
18	:,74	.83	&:voAM
neers and a production of the contract of the	والمراجب والمعارض وال	183	7:00 AM
MAN	74	, 84	7100 A-M
20 Sentin peritabili del portugues estas e	THE STATE OF THE S	rusi (4 %) (su munda casta anun la ha san san tanàna mana kangkanana any ang manana an	7:00 AM
manarata da da la la manarata da manara	77		8:00 AM
72	174	, \$3	8100AM
23	174	.84	8:00 AM
24	,74	184	8:00 AM
7.5	74	84	7100 Am
16	.74	84	7:00 AM
To the strength of the country of the strength	.74	183	7:00 AM
29	and downsin	, 81	8100 AM
3 V	entra contrata esta con contrata de consequencia e escuencia e escuencia e e e e e e e e e e e e e e e e e e e	• 80	8110 AM
jj V	.74	,84	8:00 AM.

MONTH Dec.

on lei litagili kullarukuminingan mananan arang ara	W. C.		•
DATE	Line 5	LINE 10	Time
12/1/10	74	184	4:00 AM
12/2/10	.74	- BZ	7:00 AM
12/3/10	174	,83	Tioo AM
12/4/10	and the above as you as you as you are properly along the above as you are a second to the any manage.	182	7100 NYL
12/5/10	notes and water and a second and a second	180	8:00 AM
12/6/10	are according to the property of the property	184	8100AM
12/7/10	, 74	,82	8:00 AM
12/8/10	170	58:	. «1,00 Hm
12/9/10	.74	, 83	7:00 AM
12/10/10	174	.82	8:00 AN
13/11/10	174	, 82	7ico AM
12/12/10	. 174	180	8,00 AM
12/13/10	174	182	8:00AM
12/14/10	.74	.81	ي په او مست پر پيدارد کرد ها پر پيدارد و د و پيدارد که د د و پيدارد که د د و پيدارد که د د و پيدارد که د د و پيدارد که د و پيدارد که د و پيدارد که د و پيدارد که د و پيدار
12/15/10	,74	,01	8'.00 AM
12/16	1,24	94	71:00 AM
12/17	174	, 31	7:00 AM
12/18	574	33	
12/19/10	774	183	7:00 AM 8100 AM
12/20	.74	81	8100AM
12/21	n orange error runner orkensolm of orange pro in propagation.	182	8:00 AW)
12/22	170	.82	6100 AM
12/23	172	. 80	7:00 AM
12/24	,72	, 01	7:00 AM
12/25	.74	, 83	8:00 M1
12/26	074	185	8.00 AM
12/27.	75	185	8:00 AM
12/29	,) 0	.00	8100 AM
12/29		179	8', ad 1/41.
18/30	. 70	, २०	2(10 AM
12/31	, 70	,99	7:00 BM

MOSTH JAM 2011

DATE	Line 5	LINE 10	
1/1/11	,72	.79	lime
1/2/11	.72	179	7100 AM
113/11	1 072	To	8100 AM
114/11	.72	, 79	87.00AM
115/11	,70	the first of the second of the	S'IN AM
1/6	, 69	,77	8100 AM
1/7	.69	and the second of the second o	7:00 AX1
1/8	172	76	7100 AM
1/9	. 73	.78	7hoo AM
1/10	the state of the s	. 80	8100AM
1/11	0.71	1 80	84.00AM
9/12	a from and a to few men and a second	74	8:00 AM
	174	,80	7100 AM
1/13	169	1.75	7100 MM
1/14	169	more and a difference of the second	7:00 AM
1/15	171	,76	2100 AM
1/16	. 70	.76	8100AM
1/17	170	.76.	8:00 AM
1/18	.,69	,78	8100 AVI
1/19	.72	1.80	8:00 MI
1/20	469	176	7:00 AM
1/21	an an an fearaigh ann an ann an Araid Ann an Fearaigh ann an ann an ann an aire ann ann ann an ann an ann an a An ann an An	77	7:00 M
1/27	. 53	176	7100 AM
1/23	. 69	w 75	8:00 Am
1/24	169	a 74	8:08AM
1/25	,69	1.75	8:00'AM
1/26	.69	1.75	8:00 AM
1/27.	69	. 75	7,00 AM
1/28	169	1.76	7:00 AM
1/29	.70	176	7:00 AM
1/50	. 69	1 15	8:00 AM
1(31	. 70	. 76	81WAW

Month Felo 2011

		• • •	
DATE	Line 5	LINE 10	Time
2-1-11	. 69	175	2:30 AM
2-2-11	169	175	7:00 AM
2-3-11	6G	.76	2/00 A/M
204	,70	26	7:0011
2.5	@70	075	.8100AM
2-6	.76	.75	9100AM
5-7	.71	. 75	8100AM
5-8	,74	81	
2-9	,69	174	8:00 AM
2-10	, 69	, 74	7:00 AM
2-11	, 69	75	7:00 111
272	, 69	an and a mandrate more region as to provide the section of the sec	7/00 AM
2-13	.69	174	8'ion M
12:14	,69	074	8100AM.
2 - 15	ومار ومسترفيس ملوقه الدار وطريستمه المستحي فالكراف الرواق ولاباق الماشاف الرائع الرفاء الأراف المرافق فلاتحاد	0.75	8100AM
نيدان و وزيان والد منها برايي الدان الشاماء المانيوراتية عليات المكارة والمانيون المانيون المانيون المانيون ا	, 69	e de la companya del companya de la companya de la companya del companya de la co	\$100 M
2-16	, 70	rim a ra il francisco con tra 226 i manuscrissi a care i care	8'100 KM
2-17	.70	176	7/00 MM
2~18	terren karin bi samberne masa bi biban biran memperintanian nyanggan dalah saha	and the same and the same control of the same and the sam	7/00 AM
2-19	,69	,76	8:00 AM
270	.72	178	7/00 AM
Z-2 (z-z (.70	a TS	8:00AM
27-75	-69	0.77	SIOOAM
アーマる	, 69	, 74	8:00 AM
2-24	,69	,74	7:00 AM
2-25	,73	,78	7:00 AM
2-26	, 20	175	7:00 AM
7-27 .	.69	1,74	8100 Am
2 · 20	a proposition of the second proposition of the second proposition of the second	.74	8:01AM
in a letter, mengan per mengan sang permanan ang pepertuan ang pepertuan ang pepertuan ang pepertuan pen	er vargetiernameteren mig er z. unterhaltete egiptetet opistete ett statet (mis		en jarog de filo (noby ses filo beneda jaros libros de primer de p
agente successiva de capa de c Capa de capa de	المنافقة الم المنافقة المنافقة الم	0.004881000, 19.00 г., дей ком не не объектория и почену и им воден не не объектория и почения объектория.	в 47 м/19-1-и 17-60 г. Г ^{анд} Андесс, байса, изгласнуй сум болесто в рований бес и украиналими до до усу у _{группун}
بمنيط بمراهد والمواسعين والمدار ومياه والإرام الارادي والأراق والماهوات المتعارف والمتعاولين	State State Control of the Control o		6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1

MONTH MARCH 2011

DATE	Line 5	LINE 10	lime
3-1	.71	176	8:00 AM
3-2	168	174	8:00 AM
3-3	169	.74	7:00 AM
3<1	.7/	,76	17:00 AM
2.55	170	,74	7:00 AM
3-6	.71	0.76	8100 AM
3-7	071	0 78	81.00AM.
3-8	.69	1,73	8'100AM
3-9	,69	,73	8:00 M
3-10	.70	176	7:00 AM
3-11	172	174	7100 AM
(34/2	.,72	.74	7:00 M
3+13	. 69	. 72	8:00AM
3-14	169	075	BLOSAM
3-15	,70	1.23	G!OO AXI
374	.7(13	8:00 MM
3-17	,70	, 73	7/00 AN
3-18	. 70	172	7100 AM
3-19	,72	,>3	7:00 AM
3-20	. 69	. 65	8100AM
3.5 (145,69	s 69	8:00AM
3-22	.'70	73	8100 AM
3-23	,69	169	8:00 AM
3.24	,65	. 68	7:00 ANG
3-75	169	6	7:00 AM
3026	, 69	,68	7:00 AM
3-21	. 69	664	8100 AM
3-28	170	b b d	8100 AM
3-79	169	man de la companya de	8'00 AM.
3 ~ 30	169	i 60	81.00 AM
3-31	<i>p</i> 0) <i>s</i>	,60	7100 AM

MONTH April Zoll

DATE	Line 5	LINE 10	lime
401	,72	. 63	7:00 AM
442	70	. 61	7:00 AM
4-3	170	165	81.06 AM
4.4	.71	064	8 LOOAM
45	1.69	63	8:00 AK
4-6	172	. 69	8:00 NV
427	,69	163	1
408	170	, 57	7:00 AM 7:00 AM
4-9	, 69	,59	
4-10	169	1 64	7100 AM. 81,00 AM.
4-11	070	. 64.	8100AM
(4-12	170	,64	وهيونت والمواري والمراوي والمستوارين والموارية والموارية والموارية والموارية والموارية والموارية والمراوية والموارية
4-13	169	.59	BiOOAN
4514	169	.54	8'100 AM
4-15	The second secon	at the control of the control of the second	21.00 AM
ر پرېښاد د در ارسان يې دو د چې د د دودواد او د دو پارې و مېڅونو کې د کاملوکا کې د پوښاد و د دو د او د دادو د د د د د د د د د د د د د د د د د د د	,73	and the second s	7:00 AM
Willow Commence	169	2 6 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7:00 AM
4-17	. 69	. 61	8:00 AM
H-18	on an arrange of the control of the state of the control of the state	8 63	8:00AM
4-19	169		8:00 AM
4-20	.70	160	8100 AM
41-21	.71	, 63	7100 AM
4-22	169	,58	7;00 AM
4-23	,70	, 59	2:00 AM
4-24	. 69	. 59	87.00AM
4-75	169	55	SI UUAM.
4-26	,69	. 60	8:00 AM
1-52	, 69	,58	8:00 AM
4-28	169	57	3:00 AM
4729	,70	57	7:00 AM.
4-30	. 69	156	7:00 AM
And the second control of the first of the second of the s	A CONTRACTOR OF THE CONTRACTOR		1

MONTH May 2011

DATE	LINE 5	LINE 10	Time
5-/	169	,53	8:00Am
5-2	. 70	.54	RIOUAM
5-3	168	163	8:00 AM
5.4	r70	, 53	8:00 AX
5-6	69	, 49	7:00 AM
5-6	170	154	Zioo AM
5-7	170	,53	7:00 AM
5-8	,69	. 52	.8100 AM
5-9	169	, 50	8100 AM
5-10	.71	,53	8:00 A/M
5-11	, 69	,52	8'120 AM
(5-12	169	15/	7:00 M
5-13			and a confine command by a control of the following franches and a commence of the control of th
5-14		and the second s	
and the second s	and the first and the second of the second o	e esta de 1965 - La companya de la companya del la companya de la	or did to the P2 of Processor with the Section for eaching a gradient house, as a first with a second continuous actions and the section of t
performed by a participal magnetic formation and an appearance of a performance of the second	manusan er eta er escul en er en	e construence de la contraction de la companya de l La companya de la comp	er ne e esta a aporte la contrata de la terral de la terral de la terral de la composition della compo
ungerik i na inga attawa tina talah kulumung pina pila at ing	eren hag by a silver op in a silver of his silver of the silver open of the silver of	gar vert er en	n and the second
والمناصرة والمنافرة والمنافرة والمستران والمرافرة والمنافرة والمنافرة والمنافرة والمنافرة والمنافرة والمنافرة	and the second control of the second control	and the second section of the second section of the second section of the second section section section section section sections.	A CONTRACTOR OF THE PROPERTY O
কুলামান্ত্ৰকাৰ প্ৰথম কৰিব কৰিব কৰিব কৰিব সংগ্ৰামৰ স্থানিক স্থানিক কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰ	والمراوية والمنطقة فهاده ومستحده والمتحدود والمتحدث والمتحدث والمتحدث والمتحدث والمتحدث	a garangan dan kanalagan sahar kanalagan perdapan dan dan dan dan dan dan dan dan dan d	Figure which is an embedding to the state of
हैं। स्थित के विकास कार के अपने की स्थापन के किस की स्थापन के स्थापन के स्थापन की स्थापन की स्थापन की स्थापन की स्थ स्थापन की स्थापन की	ang pilakasan dan pangangan kang pinan ilah sadah mentampi delam daha menga 17 delih di di dan mi	ستوط الواقات الاستهادية والمناولة المقادمة المناولة المناولة المناولة والمناولة المناولة والمناولة والمناو	The state of the s
s aprimer a significant per la periodici del describito del depos se prospinio estreja primer. La	والمعارضة والمنافظة والمعارضة والمعارضة والمعارضة والمعارضة والمعارضة والمعارضة والمعارضة والمعارضة والمعارض والمعارضة	والمراث والمرادة والمستردة والمسترفة والمستركة والمستردة والمراث والمراث والمراث والمراث والمراث	يلسنه معين والمراجع والمراجع والمراجع والمساور والمراجع و
et i segundag kejina jeligita seperata a teologik senden ersekspilataile i te	egannes perter e ne ne can canada e approximación tataba estado e	a garaga yang ayang ayan garan da ayan yan sa sementar a da da ayan da da ayan generapen sementeka yan bayan n	the end to the end to the end of the end of the end of the the end of the end
stande for processing in grant may be made to recent out a straight desirable.	and the street of the street o	and the second s	A COLUMN TO A PARTIE OF THE PARTIES AND THE COLUMN THE COLUMN THE COLUMN TO THE COLUMN T
graen ingeles sold en en de des en militares de la communicació de la	and the second s	The second secon	Andread Property of the Control of t
, the property of the second s	and the first first term and the second seco	والمعاونة والمعاونة ومروسه مناوا فيترجه وومستسده والمواد والماسية المار الماد والمادانة والمعادة والمعادة والم	
enterprise per proprie and construction and activities activities and activities activities and activities activities activities and activities activ	e appropriate productive and the way of the term of term of term of the term o	er per en	والمرابعة والمعاملة والمرابعة والمرا
المواقع المواقع المواقعة والمواقع المواقعة والمواقعة والمواقعة والمواقعة والمواقعة والمواقعة والمواقعة والمواقعة	a musica na pana a pana pana pana mana mana man	والمعاونة	And the second s
American and an interest of the control of the state of t	والمرافق والمعارض والمستقبل في المستقبل والمستقبل والمست	agus a gas principas de gas qua qua parte este may mada parte de desenta ante de la material de la material de la companya de la material de la companya del la companya de	Complete That The Section of the Complete Comple
n kanala 1955 maga 1950 - Paranan na Ingara yang tan didakan magan sayah san dalam di	namadan da mara yang lawasan sampakarangan katan ta m	The second secon	معمومه به مستقد منظم به الدومية و ماه معنوانية در انتها بالميانية والميانية فيام بياضا فياستفاست الميانية في الرائية الارائية الارائية الارائية الميانية المي
والمعاولة والمصافحة والموادية والمستقالة فالمنافية والمستحدث فيسته فيتما فيتما والمستقالة والمستقالة والمستقالة	san dayan usung dangga mada sayang dangga san unit unit sa matikan bah ungan ginayah da madi mahing da mumih s	astyrightings, qui gʻilgasig (etias pirak oʻrganadas sonna astankini birkinin on has saddisti tillinin on has	يون مواقع المعادلة والمعادلة والمعاد
Antimorth of the state of the state commence of state of	nago a proprio de proprio de la compansió de l	n aragang ng maghandadgang ta dag 1944, 1944 nama 1944 nama ta na ad atawah tahunan naga malar "Na safard darah	mile are my light for significance in the first for the strong or refolk procedure before the strong which is a strong or first the strong of

APPENDIX D

GROUNDWATER MONITORING REPORTS

(PROVIDED ELECTRONICALLY)





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.

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



TABLES





SENECA MARKET I, LLC SITE WATKINS GLEN, NEW YORK

																													Samı	ple Location																											
Parameter 1					MW-1	SR											MW-3SR													MW-78											MW-	108					MW-21S				MW-4S		MW-9S	GWOS ⁶			
Farameter	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	1/1/932	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	05/11/1	1 1/1/93	² 4/1/93	3/16/	00 ³ 6/23/0	10/20/0	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 1	1/21/08	1/21/08 Blind 02/	27/09 05/20	/09 09/23/	09 12/14/09	05/27/10	10/18/10	05/11/11	11/21/08	02/27/09	09/23/09	12/14/09	05/27/10 1	10/18/10	05/11/11 1	/18/10 05/	/11/11 10/18/1	10 05/11/11	GWQ3
										<u> </u>												1						_	_		1								D	uplicate																	
TCL Volatile Organic Compounds (VOCs) - ug Acetone	ND ND	ND	441	ND	ND	ND	ND	ND	ND	8.4 J	R	-	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	12	R	ND	NE	NID.	ND.	ND	ND	0.4	- 44	25	ND	ND	ND	00	R	ND	ND A	ID NE) ND	ND	ND	ND	13 J	401	ND	ND	ND	ND	ND	12	ND 9	9.5 ND	8.8	- 50
Acetone Benzene	ND ND					ND ND	ND ND	ND ND	ND ND	8.4 J ND	ND ND	R	ND ND	24	ND ND	_	ND ND	ND	ND ND	ND ND	ND ND		ND			_	11		_		14	8.2	6.5	_		8.5			_		ID NE		_	ND ND	_	ND ND	1.8 J ND	ND ND	ND ND	ND ND					9.5 ND ND ND		
Bromomethane (Methyl bromide)	ND			ND	ND	ND	ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		_		140			ND.	ND	ND	ND	ND	ND	ND				ID NE			ND	ND	ND	ND	ND	ND	ND					ND ND		5						
2-Butanone (MEK)	ND	ND	140	ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ND		NE	, ,,,,	110	0.1. 0		ND	10	7.00 DO	ND I			ND	ND	ND	ND	ND	ND	ND	ND	140	ND	110		ND ND		50												
Carbon disulfide	ND	ND	02.1	ND	ND	ND	ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		NE) ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	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	ND	NE	ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ID NE	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5
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		NE) ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5
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		NE) ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		7
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE	ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ID NE	ND.	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	ND N	ND ND	ND ND	5
Cyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE) ND	ND.	8.8	21	12	11	12	15	10	10	ND	ND	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND	ND ND	/
1,1-Dichloroethene	ND	ND	0.2 J	ND	ND	ND	1	13	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE) ND	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND	ND ND	5						
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	NA	NA	N.A	NA NA	. NA	4.1	3.5	3	7.5	2.7	2.2	2.8	4.4	NA	NA	ND	ND I	ID NE) ND	ND	ND	ND	ND	0.21 J	ND	ND	ND	ND	ND	ND	ND N	ND 2.3	ND ND	5
trans-1,2-Dichloroethene	NA	NA	0.71 J	ND	NA	NA	NA	NA	NA	0.24 J	ND	ND	ND	ND	ND	ND	ND	NA	NA	N.A	NA NA	. NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND) ND	5						
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	ND	3 J	6	36	6	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA 1	IA NA	NA NA	NA	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND N	ND ND) ND	5
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6 J	NE) ND	ND ND	ND	ND	ND	ND	ND	ND	ND	2.8	ND	ND	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND	ND ND	5
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	ND	ND	NE) ND	ND	ND	ND	1.4	1.7	1.3	1.6	ND	2	ND	ND	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND	ND ND	5
Methylcyclohexane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE) ND	ND.	1.4	6.9	4.4	5	5.1	5.1	2.7	4.8	ND	ND	ND	ND I	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	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	R	R	NE	ND.	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	3 J	ND	ND N	ID NE	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND	ND ND	5
4-methyl-2-pentanone (MIBK)	9 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20	ND	NE	ND.	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ID NE	ND ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	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	ND	ND	NE) ND	ND.	4.5	3.7	1.6	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ID NE) ND	ND	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND	ND N	ND ND		10
Styrene	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			NE) ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND		0.6 J	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5							
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NE) ND	ND.	ND	ND	ND	ND	ND	ND	ND	ND	ND	4 J	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5
Tetrachloroethene			88	70	87	83	87	70	68	71	88	8	77	83	ND	24	ND	ND	ND	4.2	ND	ND	ND	110		NE	5	6	ND	ND	ND	ND	ND	ND	ND	ND	0.0		3.2	3.2	4 2.5	2.5	3.7	3.7	3.6	4.3	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		NE) 2	ND	0.69	J 5.7	5.7	ND	ND	ND	ND	2.1	ND	0.8 J	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5
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	ND		NE) 4	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		ND ND		5
Vinyl chloride	ND			1.7	14	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	ND		1	3	ND	1.3	1.1	ND	2.1	1.1	1	1.8	1.4	ND		ND		ID NE) ND	ND	ND	ND	ND	0.23 J	ND	1	ND	ND	ND	ND	ND N	ND ND		2
o-Xylenes	ND	ND	140	ND	ND	ND	ND	3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND		NE) ND	ND.	ND	ND	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ID NE) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	ND ND		5
m+p Xylene	ND	140	110	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		142	, ,,,,	140	0.0	0.0	8.3	5.8	3.8	3.1	ND	5.1	ND	ND	110	ND N) ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	110		ND ND								
Total Xylene Total VOCs	ND					ND	ND	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	ND	ND	1.4			110) ND	ND	0.3	J 3.3	0.0	5.8	0.0	140	ND	110	ND				ID NE) ND	ND	ND	110	ND	ND	ND	ND	ND	ND	ND	ND		ND ND		5
1000	484.0				100.4	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	10.2	20.0		14.	0 01.	0 14.0	26.0	72.2	86.3	82.3	67.5	36.8	17.3	*****		20.4	0.0		.0 2.5	5 2.5	3.7	3.7	3.0	17.3	2.8	0.0	2.6	0.0	0.0	0.0	12.0	0.0	9.5 2.3		\ll
Total Chlorinated VOCs Water Quality Parameters (mg/L)	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	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	.0 2.5	2.5	3.7	3.7	3.6	4.3	0.4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0 2.3	0.0	\sim
Iron- Soluble	NA	A14	A14	NA	A10	NA	NA	NA.	NΔ	NΔ	NA NA	NΔ	NΔ	NΔ	N10	ND	ND	ND	ND	ND	NA	NΔ	NΔ	NA	NA.	1 21	NA NA	NΔ	1 210	NΔ		1 214	NΔ	NA.	L	NΔ	NA	A14	NA		IA NA	NA NA	NA.		NΔ	- NA		NΔ	110		NΔ	NA		NA N	NA NA	NA NA	300
Manganese- Soluble	NA NA					NA NA		NA NA	NA NA	NA NA	NA NA	NA NA	NΑ	NA NA	NA NA	ND 4.94	5.49	5.6	ND 4.91	ND	NA NA	NA NA	NA.	NA NA							NA NA	NA NA		NA I	IA NA		NA NA	NA NA	NA NA	NA NA	NA 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 NA	NA	NA NA	NA NA	NΑ	NA	NA NA	4.94 ND	5.49 ND	D.B DN	4.91 ND	ND	NA NA	NA	NA NA	NA NA		NA NA					NA NA	NA NA	NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA		IA NA		NA NA	NΑ	NA NA	NA NA	NΑ	NA NA	NA NA	NA NA	NA NA		NA NA		NA NA		300
Nitrate, mg/L-N Sulfate	NA NA	NA NA		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	18.3	17.1	ND 17	16.7	ND	NA NA	NA NA	NA NA	NA NA		NA NA			. NA		NA NA	NA NA	NA NA	NA I	IA NA		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	INA	14/5	NA NA		250												
Sulfide	NA NA	NA NA		NA NA	NA NA	NA NA	NA NA	NA	NA NA	ND.	ND.	ND.	ND	ND	NA NA	NA NA	NA NA	NA NA		NA NA			. NA		NA NA	NA NA	NA NA	NA I	IA NA		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA		NA NA		50												
Chloride	NΔ	NA NA		NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NΔ	NA NA	NA NA	NΑ	NA NA	NA NA	454	430	544	415	ND	NA NA	NA NA	NA NA	NA NA		NA NA					NA NA	NA NA	NΔ	NA NA	NA NA	NΔ	NA NA	NA NA	NA NA	NA I			NA NA	NA NA	NA NA	NA NA	NΑ	NΔ	NA NA	NA	NΑ	NA NA	NΔ		NA NA		2.50E+08
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	NA NA	NA NA	66	63	ND.	52	67	NA NA	NA NA	NA NA	NA NA							NA NA				IA NA			NA NA		NA NA	NA NA	NA NA	NA NA	NΔ	NA NA	NA NA		101	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 NA	NA NA	ND	ND.	ND	ND	ND	NA NA	NA.	NΔ	NA NA		NA NA	NA NA		. NA		NA NA	NA NA	NA.	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA	NA I	IA NA		NA NA	NA NA	NA NA	NA NA	NA.	NA.	NA NA	NA.	NA NA	NA NA	NA NA		NA NA		ا اـــــــــــــــــــــــــــــــــــ
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	NA (1,8000.0	ND	ND	ND	ND	NA.	NA.	NA.	NA NA		NA NA					NA.	NA.	NA.	NA.	NA NA	NA NA	NA NA	NA NA	101		IA NA		NA NA	NA.	NA NA	NA.	NA.	NA	NA NA	NA.	NA NA		NA NA		NA NA		//
Methane	NA.	1473		NA NA		NA NA	NA	NA.	NA.	NA.	NA.	1473	NA NA	NA.	100	0.051	140	0.13	0.074	110	1471		NA.				NA NA				NA.	NA.	NA.	NA	NA.	NA.	NA.	1471	101	1471	IA NA		1401	NA.		NA.	NA.	NA.	NA.	NA NA	1471	1471	147.		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.	NA.		NA NA	NA NA		. NA	NA NA	NA.	NA NA	NA	NA I	IA NA	NA NA	NA.	NA.	NA.	NA	NA.	NA	NA.	NA.	NA	NA.	NA.	NA N	NA NA								
Total Organic Carbon	NA NA		NA 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.	NA.		9.5	5 8		1 NA	NA.	NA.	NA.	NA.	NA	NA.	NA NA	NA NA	NA NA	NA	NA I	IA NA	NA NA	NA.	NA.	NA.	NA.	NA.	NA.	NA	NA	NA	NA	NA		NA NA		
Field Measurements (units as indicated)																						1	1		1					1	101	1	1								1		1	1	1 1 1 1										نتباد		
pH (units)	T	T	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	NA	NA	N/	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 6.9	8 6.74	6.60	6.90	6.81	NA	7.25	6.78	6.70	6.87	7.01	7.04	NA	6.74	NA 6.92	2 NA	6.5 - 8.5
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	NA	NA	N/	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	11.9	7.5	22.7	12.3	17.3	18.5	NA	16.4	NA 16.8	8 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	NA	NA	N/	NA NA	. NA	2966	3252	4081	3416	3227	3720	2900	NA	NA	NA	1538	1538 1-	121 115	3 1348	1569	1520	1645	NA	1140	1510	1429	1440	1175	960.7	NA	1987	NA 2124	4 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	NA	NA	N/	A NA	. NA	100	50.2	8.3	4.38	15.3	15.7	27.5	NA	NA	NA	88.1	88.1 2	B.2 25	7.8	9.83	25.7	32.9	NA	5.35	8.81	1.53	1.7	3.31	7.79	NA	20.6	NA 64.3	3 NA	
ORP (mV)			58	51	63	42	42	65	222	NA	NA	NA	NA	NA	NA	41	24	15	0	- 51	- 6	2	NA	NA	NA	N/	A NA	. NA	-87	-117	-139	- 140	- 113	- 130	-109	NA	NA	NA	27	27	5 1	13	22	5	14	NA	-99	-99	-132	98	-41	0	NA	-113 ľ	NA -18	NA 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	NA	NA	N/	A NA	. NA	1.47	7 2.27	1.36	0.97	1.3	1.42	1.57	NA	NA	NA	1.35	1.35 2	.15 3.5	6 2.2	1.66	1.81	0.66	NA	1.04	1.18	1.14	1.54	1.07	0.88	NA	0.95	NA 1.23	3 NA	_ 1

Notes:

1. Only hose 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 1939 RUFS report prepared by URS.

2. Results are from the 1939 RUFS report prepared by URS.

4. Between injection quandwater sampler results from the 2001 URS report "Evaluation of Size Remediation by In-Situ Oxidation."

5. Posts-injection groundwater sampling results from the 2001 URS report "Evaluation of Size Remediation by In-Situ Oxidation."

6. Class "GA" Groundwater Sampling results from the 2001 URS report "Evaluation of Size Remediation by In-Situ Oxidation."

6. Class "GA" Groundwater Sampling results from the 2001 URS report "Evaluation of Size Remediation by In-Situ Oxidation."

6. Class "GA" Groundwater Chainly Standards for NY SDEC Divisions of Water TOSC.

7. Examples of the Size of Size



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



ATTACHMENT 1

LABORATORY ANALYTICAL DATA





November 08, 2010

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.

Janice Jaeger

Client Services Manager

Poutor foc.

Page 1 of 30

Service Request No: R1005877

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

<u>Lab ID</u>	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



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 Certifications1

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.

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877 **Date Collected:** 10/19/10 1006 Date Received: 10/21/10

Date Analyzed: 10/26/10 17:23

Sample Name:

MW-1S

Lab Code:

R1005877-001

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name:

L2156.D

Analysis Lot: 222315 Instrument Name: R-MS-08

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		

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877 Date Collected: 10/19/10 1006 Date Received: 10/21/10

Basis: NA

Date Analyzed: 10/26/10 17:23

Units: µg/L

Sample Name:

MW-1S

Lab Code:

R1005877-001

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

L2156,D

Analysis Lot: 222315

Dilution Factor: 1

Instrument Name: R-MS-08

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	

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877

Date Collected: 10/18/10 1429

Date Received: 10/21/10

Date Analyzed: 10/27/10 13:36

Units: µg/L Basis: NA

Sample Name: Lab Code: MW-3S R1005877-002

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

L2175.D

Analysis Lot: 222504 Instrument Name: R-MS-08

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		

Analytical Report

Benchmark Environmental Engineering Client:

Seneca Market/0092-002200 Project:

Sample Matrix: Water Service Request: R1005877 Date Collected: 10/18/10 1429 Date Received: 10/21/10

Date Analyzed: 10/27/10 13:36

Units: µg/L Basis: NA

Sample Name: Lab Code:

MW-3S R1005877-002

Volatile Organic Compounds by GC/MS

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

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	I.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	

Analytical Report

Client: Benchmark Environmental Engineering

R1005877-003

Project: Seneca Market/0092-002200

MW-4S

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1005877

Date Collected: 10/18/10 1227

Date Received: 10/21/10

Date Analyzed: 10/26/10 18:18

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Analysis Lot: 222315

Data File Name: L2158.D Instrument Name: R-MS-08

CAS No.	Analyte Name	Result Q	MRL	Note	
71-55-6	1,1,1-Trichloroethane (TCA)	1.0 U	1.0	<u> </u>	
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		

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877 Date Collected: 10/18/10 1227

Date Received: 10/21/10 **Date Analyzed:** 10/26/10 18:18

Units: µg/L Basis: NA

Sample Name:

MW-4S

Lab Code:

R1005877-003

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name:

L2158.D

Analysis Lot: 222315

Instrument Name: R-MS-08

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	Ū	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	

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877 **Date Collected:** 10/18/10 1201 Date Received: 10/21/10

Date Analyzed: 10/26/10 18:45

Units: µg/L Basis: NA

Sample Name: Lab Code:

MW-7S R1005877-004

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name:

L2159.D

Analysis Lot: 222315 Instrument Name: R-MS-08

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		

Analytical Report

Client: Benchmark Environmental Engineering

R1005877-004

Project: Seneca Market/0092-002200

Sample Matrix:

Sample Name:

Lab Code:

Water

MW-7S

Service Request: R1005877 Date Collected: 10/18/10 1201 Date Received: 10/21/10

Date Analyzed: 10/26/10 18:45

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name: L2159.D

Analysis Lot: 222315 Instrument Name: R-MS-08

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	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

MW-9S

R1005877-005

Sample Matrix: Water

Sample Name:

Lab Code:

Voter

Service Request: R1005877

Date Collected: 10/18/10 1359

Date Received: 10/21/10

Date Analyzed: 10/26/10 19:12

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

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

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	I,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		

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

Sample Matrix: Water

Service Request: R1005877

Date Collected: 10/18/10 1359

Date Received: 10/21/10

Date Analyzed: 10/26/10 19:12

Units: μg/L Basis: NA

Sample Name: MW-9S

Lab Code: R1005877-005

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Analysis Lot: 222315

Data File Name: L2160.D Instrument Name: R-MS-08

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		

		Control	Date	
Surrogate Name	%Rec	Limits	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	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

Sample Matrix: Water

Service Request: R1005877

Date Collected: 10/18/10 1126

Date Received: 10/21/10

Date Analyzed: 10/26/10 19:40

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Analysis Lot: 222315

Data File Name: L2161.D Instrument Name: R-MS-08

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	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1005877

Date Collected: 10/18/10 1126

Date Received: 10/21/10

Date Analyzed: 10/26/10 19:40

 $\begin{array}{ccc} \text{MW-10S} & \text{Units: } \mu\text{g/L} \\ \text{R1005877-006} & \text{Basis: } \text{NA} \end{array}$

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Analysis Lot: 222315

Data File Name: L2161.D Instrument Name: R-MS-08

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	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

MW-21S

R1005877-007

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1005877
Date Collected: 10/18/10 1032
Date Received: 10/21/10

Date Analyzed: 10/27/10 14:03

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Analysis Lot: 222504

Data File Name: L2176.D Instrument Name: R-MS-08

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		

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

Sample Matrix: Water

Date Collected: 10/18/10 1032 Date Received: 10/21/10 **Date Analyzed:** 10/27/10 14:03

Service Request: R1005877

Units: µg/L Basis: NA

Sample Name: Lab Code:

MW-21S R1005877-007

Volatile Organic Compounds by GC/MS

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

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	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market/0092-002200

Sample Matrix: Water

Service Request: R1005877

Date Collected: 10/18/10

Date Received: 10/22/10

Date Analyzed: 10/26/10 16:56

Sample Name: TRIP BLANK Units: $\mu g/L$ 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

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		

Analytical Report

Benchmark Environmental Engineering Client:

Project: Seneca Market/0092-002200

Sample Matrix: Water Service Request: R1005877 Date Collected: 10/18/10 Date Received: 10/22/10 **Date Analyzed:** 10/26/10 16:56

Units: µg/L

Sample Name: TRIP BLANK Lab Code: Basis: NA R1005877-011

Volatile Organic Compounds by GC/MS

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

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		

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877

Date Collected: NA Date Received: NA

Date Analyzed: 10/26/10 12:18

Units: µg/L Basis: NA

Sample Name: Lab Code:

Method Blank RQ1009343-03

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name:

L2145.D

Analysis Lot: 222315 **Instrument Name: R-MS-08**

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	<u></u>	
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		

Analytical Report

Client: Benchmark Environmental Engineering

Method Blank

RQ1009343-03

Project: Seneca Market/0092-002200

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1005877

Date Collected: NA

Date Received: NA

Date Analyzed: 10/26/10 12:18

vate Amaryzed: 10/20/10 12.18

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C **Data File Name:** L2145.D

Analysis Lot: 222315 Instrument Name: R-MS-08

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	

Analytical Report

Client: Benchmark Environmental Engineering

Method Blank

RQ1009392-03

Project: Seneca Market/0092-002200

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1005877

Date Collected: NA
Date Received: NA

Date Analyzed: 10/27/10 13:09

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Analysis Lot: 222504

Data File Name: L2174.D Instrument Name: R-MS-08

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		

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market/0092-002200

Sample Matrix:

Water

Service Request: R1005877 Date Collected: NA

Date Received: NA

Date Analyzed: 10/27/10 13:09

Units: µg/L Basis: NA

Sample Name: Lab Code:

Method Blank RQ1009392-03

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name:

L2174.D

Analysis Lot: 222504 Instrument Name: R-MS-08

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	

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: $\mu g/L$ Basis: NA

Analysis Lot: 222315

Lab Control Sample RQ1009343-04

Analyte Name	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.

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Form 3C

SuperSet Reference: 10-0000160255 rev 00

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

Analytical Method:

8260C

Volatile Organic Compounds by GC/MS

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.

QA/QC Report

Client: Benchmar

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

Lab Control Sample RQ1009392-04

NQ1003332-04				
A I A - N	D	Spike	0/ Day	% Rec
Analyte Name	Result	Amount	% 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
<u> </u>				
1,3-Dichlorobenzene	20.0	20.0 20.0	100	78 - 124 78 - 123
1,4-Dichlorobenzene	20.5		103	
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
	21.2	20.0		57 - 144
Bromomethane Carbon Disulfide	21.2		106 106	57 - 144 59 - 138
		20.0		
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

Form 3C

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.

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

Lab Control Sample RQ1009392-04

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits	
Ethylbenzene	20.3	20.0	102	78 - 123	
Isopropylbenzene (Cumene)	20.7	20.0	102	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

PAGE

Р

CAS Contact

HS

Preservative Key
0. NONE
1. HCL
2. HNO3
3. H2SO4
4. NaOH
5. Zn. Acetate
6. MeOH
7. NaHSO4 REMARKS/ ALTERNATE DESCRIPTION INVOICE INFORMATION Other RECEIVED BY R1005877 Benchmark Environmental Engineering Seneca Market œ, SERVICE REQUEST#: ANALYSIS REQUESTED (include Method Number and Container Preservative) IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report £ II. Results + QC Summaries (LCS, DUP, MS/MSD as required) REPORT REQUIREMENTS III. Results + QC and Calibration RELINQUISHED BY , es I. Results Only Edata Printed Name METALS, DISSOLVED METALS, DISSOLVED (LIST In comments below) Date/Time TURNAROUND REQUIREMENTS 5 day RUSH (SURCHARGES APPLY) RECEIVED BY 1 Mustard Street, Suite 250, Rochester, NY 14609 | 585.288.5380 | 800.695.7222 | 585.288.8475 (fax) REQUESTED REPORT DATE REQUESTED FAX DATE STANDARD 24 hr Printed Name Date/Time SCANS VOA'S 5000 SVOA'S 5000 SVOA'S 5000 SVOA'S Signature **PRESERVATIVE** > \geq > > NUMBER OF CONTAINERS CUSTODY SEALS: RELINQUISHED BY MATRIX Buch mark tony 0092-00220 1006 1 425 SAMPLING DATE TIME 1227 359 750, 1201 Printed Name 2/6-856 OS 83 Sampler's Printed Name Date/Time Signature 01-61-01 10-13-10 DATE 1111 FOR OFFICE USE ONLY LAB ID ١ RECEIVED BY Project Numbe SIN OF Date/Time to / 2 | Ito. Report CC SAMPLE RECEIPT: CONDITION/COOLER TEMP: Lesa Kauski Project Name SCACA MAYASILU HAMBURS SPECIAL INSTRUCTIONS/COMMENTS Metals -856-0599 **CLIENT SAMPLE ID** -ACKG WANNA Bachmarky 0/ 7 mm - 9. Mar -7 MW-4 Project Manager MI 1/12 Mar-3 Company/Address 61-61-01 J-27 345 3 See QAPP

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

Cooler Receipt And Preservation Check Form

					~			TOTAL A OF THE		
Proje	ect/Client_	0	ench	Mark		Submission N	Number_	R10058	רו	
Cool	er received	on_t	<u>6121</u>	by: MLC	cou	RIER: CA	S UP	S FEDEX	VELO	CITY CLIENT
1. 2. 3. 4. 5. 6. 7.	Were cu Did all b Did any Were Act Where d	stody ottle: VOA or I id the	pape s arriv vial ce pa bott	s on outside of coers properly filled we in good condit s have significant cks present? les originate? oler(s) upon recei	l out (inl ion (unb * air bu	roken)?)? J	YES YES YES YES YES CAS/RO	NO NO NO NO C, CI	N/A JENT
	Is the ten	npera	ture v	within 0° - 6° C?:	: 0	Tes (Y	es) re	Yes	Yes	Yes
	If No, Ex	plai	n Bel	ow	1	$_{N}$ \mathcal{P} $_{o\nu}$	o '\	No	No	No
	Date/Tim	e Te	nper	atures Taken:	j 1852	1100	1126			210
	Thermom	eter	D(I	R GUN#3, / IR	GUN#4	Reading		Tenn Blank	100	d- P iii
FC 360	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: Cooler Breakdown: Date: 10/21/10 Time: 131/0 by: 4144 1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO									
2.	Did all bo	ttle la	bels	and tags agree w:	ith custo	dy naners?	, etc.)?	YES	NO NO	
3.	Were corre	ect co	ntair	ters used for the	tests ind	icated?		YES	NO	
4. Explain	Air Sampl any discre	es: panc	Casseies: _	ettes / Tubės Inta	ct C	anisters Pres	surized	Tedlar®		flated N/A
р Н	Reagent	7	<u> </u>	Lot Received	Exp	Sample ID	Vol.	Lot Added	Final	37.
≥12	NaOH	YES	NO		+		Added	201718888	pH	Yes = All samples OK
≤2	HNO ₃	 	-		 	<u> </u>	 			
≤2	H ₂ SO ₄	 	_		 	ļ-			ļ	No =
Residual Chlorine -)	For TCN and Phenol			If present, contact add ascorbic acid	PM to					Samples were preserved at lab as listed
l	Na ₂ S ₂ O ₃	-	-]			*Not to be te	sted befor	re analysis – pF	<u> </u> I	DM OV :
	Zn Aceta HCl	*	*			tested and red on a separate	orded by	VOAs or Gene	Chem	PM OK to Adjust:
Į				4110020	9/11	a coparato	"OTESTIC	~ i		
ottle lot r	umbers: C	<u>)-1(</u>	<u>15-</u>	002	-				-	

PC Secondary Review:

*significant air bubbles are greater than 5-6 mm

H:\SMODOCS\Cooler Receipt 2.doc

Service Request No: R1102662



May 31, 2011

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 Managel

 $_{\mathrm{Page\ 1\ of}}$

CASE NARRATIVE

Client:BenchmarkService Request:R1102662Project:Seneca Market LLCProject Number:0092-002-200Sample Matrix:WaterDate 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

<u>Lab lD</u>	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



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.



CAS/Rochester Lab ID # for State Certifications1

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.



Analytical Report

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

Sample Matrix: Water

Service Request: R1102662

Date Collected: 5/11/11 1235

Date Received: 5/12/11

Date Analyzed: 5/16/11 16:08

Units: μg/L Basis: NA

Sample Name: MW-1SR Lab Code: R1102662-001

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name: J:\ACQUDATA\MSVOA12\DATA\051611\U7841.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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		

Analytical Report

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

Sample Matrix:

Water

Service Request: R1102662 **Date Collected: 5/11/11 1235** Date Received: 5/12/11

Date Analyzed: 5/16/11 16:08

Sample Name: Lab Code:

MW-1SR R1102662-001 Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

J:\ACQUDATA\MSVOA12\DATA\051611\U7841.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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
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

Analytical Report

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

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1102662 Date Collected: 5/11/11 1155 Date Received: 5/12/11

Date Analyzed: 5/16/11 16:38

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C Data File Name:

MW-3SR

R1102662-002

J:\ACQUDATA\MSVOA12\DATA\051611\U7842.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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	Ŭ	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		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		1.0		
75-27-4	Bromodichloromethane	1.0		1.0		
75-25-2	Bromoform	1.0	U	1.0		
74-83-9	Bromomethane	1.0		1.0		
75-15-0	Carbon Disulfide	1.0		1.0		
56-23-5	Carbon Tetrachloride	1.0	U	1.0		
108-90-7	Chlorobenzene	1.0		1.0		-
75-00-3	Chloroethane	1.0		1.0		
67-66-3	Chloroform	1.0	U	1.0		<u> </u>
74-87-3	Chloromethane	1.0		1.0		
110-82-7	Cyclohexane	1.0		1.0		
124-48-1	Dibromochloromethane	1.0	U	1.0		
75-71-8	Dichlorodifluoromethane (CFC 12)	1.0		1.0		
75-09-2	Dichloromethane	1.0		1.0		
100-41-4	Ethylbenzene	1.0	U	1.0		
98-82-8	Isopropylbenzene (Cumene)	1.0	U	1.0		

Analytical Report

Client: Benchmark Environmental Engineering Project:

MW-3SR

R1102662-002

Sample Matrix:

Sample Name:

Lab Code:

Seneca Market LLC/0092-002-200 Water

Service Request: R1102662 Date Collected: 5/11/11 1155 Date Received: 5/12/11

Date Analyzed: 5/16/11 16:38

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name: J:\ACQUDATA\MSVOA12\DATA\051611\U7842.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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	

Analytical Report

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

R1102662-003

MW-4S

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1102662 Date Collected: 5/11/11 1200 Date Received: 5/12/11

Date Analyzed: 5/16/11 17:08

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

Analysis Lot: 246279 J:\ACQUDATA\MSVOA12\DATA\051611\U7843.D\ Instrument Name: R-MS-12

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	I.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 Ų	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	

Analytical Report

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

Sample Matrix: Water Service Request: R1102662 **Date Collected:** 5/11/11 1200

Date Received: 5/12/11

Date Analyzed: 5/16/11 17:08

Units: µg/L Basis: NA

Sample Name: MW-4S Lab Code:

R1102662-003

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

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	

Analytical Report

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

MW-7S

R1102662-004

Sample Matrix: Water

Sample Name:

Data File Name:

Lab Code:

Service Request: R1102662

Date Collected: 5/11/11 1210

Date Received: 5/12/11

Date Analyzed: 5/16/11 17:38

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

u. 0200

J:\ACQUDATA\MSVOA12\DATA\051611\U7844.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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		-

Analytical Report

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

R1102662-004

MW-7S

Sample Matrix: Water

Sample Name:

Data File Name:

Lab Code:

Service Request: R1102662 Date Collected: 5/11/11 1210

Date Received: 5/12/11

Date Analyzed: 5/16/11 17:38

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

J:\ACQUDATA\MSVOA12\DATA\051611\U7844.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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	

Analytical Report

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

R1102662-005

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1102662

Date Collected: 5/11/11 1220

Date Received: 5/12/11

Date Analyzed: 5/16/11 18:09

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name: J:\ACQUDATA\MSVOA12\DATA\051611\U7845.D\

MW-9S

Analysis Lot: 246279 Instrument Name: R-MS-12

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		

Analytical Report

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

R1102662-005

MW-9S

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1102662

Date Collected: 5/11/11 1220

Date Received: 5/12/11

Date Received: 5/12/11

Date Analyzed: 5/16/11 18:09

Units: μg/L 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

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 1	U	1.0		
108-87-2	Methylcyclohexane	1.0 1	U	1.0		
100-42-5	Styrene	1.0 1	U	1.0		
127-18-4	Tetrachloroethene (PCE)	1.0 1	U	1.0		
108-88-3	Toluene	1.0 1	U	1.0		
79-01-6	Trichloroethene (TCE)	1.0 1	U	1.0		
75-69-4	Trichlorofluoromethane (CFC 11)	1.0	Ŭ	1.0		
75-01-4	Vinyl Chloride	1.0 1	U	1.0		
156-59-2	cis-1,2-Dichloroethene	1.0 1	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 ไ	U	1.0		
156-60-5	trans-1,2-Dichloroethene	1.0 T	U	1.0		
10061-02-6	trans-1,3-Dichloropropene	1.0 T	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	

Analytical Report

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

Sample Matrix: Water Service Request: R1102662 **Date Collected:** 5/11/11 1245

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

Data File Name:

J:\ACQUDATA\MSVOA12\DATA\051611\U7846.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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		

Analytical Report

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

Sample Matrix:

Water

Service Request: R1102662 **Date Collected:** 5/11/11 1245

Date Received: 5/12/11 **Date Analyzed:** 5/16/11 18:39

Sample Name: Lab Code:

MW-10S R1102662-006 Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

J:\ACQUDATA\MSVOA12\DATA\051611\U7846.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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	

Analytical Report

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

Sample Matrix:

Water

Service Request: R1102662 **Date Collected: 5/11/11 1136** Date Received: 5/12/11

Date Analyzed: 5/16/11 19:09

Units: µg/L Basis: NA

Sample Name: Lab Code:

MW-21S R1102662-007

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

J:\ACQUDATA\MSVOA12\DATA\051611\U7847.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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		<u></u>
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		

Analytical Report

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

Sample Matrix: Water

Service Request: R1102662

Date Collected: 5/11/11 1136

Date Received: 5/12/11 **Date Analyzed:** 5/16/11 19:09

Sample Name: MW-21S Lab Code: R1102662-007 Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name: J:\ACQUDATA\MSVOA12\DATA\051611\U7847.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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		

Analytical Report

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

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R1102662-008

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1102662

Date Collected: 5/11/11 1300

Date Received: 5/12/11

Date Analyzed: 5/16/11 19:39

Units: μg/L 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

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	·	· ,

Analytical Report

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

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R1102662-008

Sample Matrix: Water

Sample Name:

Lab Code:

Service Request: R1102662

Date Collected: 5/11/11 1300

Date Received: 5/12/11

Date Analyzed: 5/16/11 19:39 **Units:** μg/L

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name: J:\ACQUDATA\MSVOA12\DATA\051611\U7848.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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	

Analytical Report

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

Sample Matrix:

Water

Service Request: R1102662 Date Collected: NA Date Received: NA

Date Analyzed: 5/16/11 12:28

Sample Name: Lab Code:

Method Blank RQ1104603-04 Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

J:\ACQUDATA\MSVOA12\DATA\051611\U7834.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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		

Analytical Report

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

Sample Matrix:

Water

Service Request: R1102662 Date Collected: NA

Date Received: NA

Date Analyzed: 5/16/11 12:28

Units: µg/L Basis: NA

Sample Name: Lab Code:

Method Blank RQ1104603-04

Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Data File Name:

J:\ACQUDATA\MSVOA12\DATA\051611\U7834.D\

Analysis Lot: 246279 Instrument Name: R-MS-12

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	

QA/QC Report

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

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

Sample Matrix:

Water

Lab Control Sample Summary Volatile Organic Compounds by GC/MS

Analytical Method: 8260C

Units: μg/L Basis: NA

Analysis Lot: 246279

Lab Control Sample RQ1104603-03

	_	Spike		% Rec
Analyte Name	Result	Amount	% 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.

Form 3C

SuperSet Reference: 11-0000178799 rev 00

00023

QA/QC Report

Client: Project: Benchmark Environmental Engineering 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

Lab Control Sample RQ1104603-03

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

SuperSet Reference:

Columbia CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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STATE WHERE SAMPLES WERE COLLECTED:								Edala	 9		
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Cooler Receipt And Preservation Check Form

Projec	ct/Client <u>Se</u>	nchm	ack		F	older Nu	ımber	R	<u> 11-2662</u>	L,*	
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Thermometer ID: IR GUN#3 / IR GUN#4 Reading From: Pemp Blank / Sample Bottle If out of Temperature, note packing/ice condition, Client Approval to Run Samples: PC Secondary Review: 5/3/1											
PC Sec	ondary Re	view:		JMS 5/1	3/1)		* *		,		
Cooler Breakdown: Date: 5/13/11 Time: 1158 by: AUX 1. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES) NO											
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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

Ms. Charlotte Theobald
NYSDEC

July 29, 2010
Page 2 of 2

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





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

																			v	VAI KINS G	SLEN, NEW	TORK																						
																						Sample	Location																				/	
Parameter ¹			,	MV	MW-1SR									MW-3SR										MW-7S											MW-10S						MW-21S			GWQS ⁶
Parameter	1/1/93 ²	4/1/93 ²	11/21/08	02/27/09	05/20/0	09/23/	/09 12/14	1/09 05/27	10 1/1/9	13 ² 4/1/	93 ² 3/16/00	6/23/004	10/20/005	11/21/08	02/27/09	05/20/09	09/23/09	12/14/09	05/27/10	1/1/93²	4/1/93 ²	3/16/00 ³	6/23/00 ⁴	10/20/005	11/21/08	02/27/09	05/20/09	09/23/09	12/14/10 05	/27/10 1/1/	13 ² 4/1/93 ²	11/21/0	8 Blind Duplicate	02/27/09	9 05/20/09	09/23/	/09 12/14/0	05/27/1	11/21/08	8 02/27/09	09/23/09	12/14/09	05/27/10	wus
TCL Volatile Organic Compounds (VOCs) - u	ıg/L			1							<u> </u>			1					1												_			-										
Acetone	ND	ND	1.4 J	ND	ND	ND) NE) NE	R	F	R ND	24	ND	ND	ND	ND	ND	ND	ND	R	ND	ND	ND	ND	ND	ND	34	41	35	ND 2	R	ND	ND	ND	ND	ND) ND) ND	1.8 J	ND	ND	ND	ND	50
Benzene	ND	ND	ND	ND	ND	ND) NE	O NE	ND) F	R ND	2	ND	ND	ND	ND	ND	ND	ND	6 J	R	7	11	ND	4.7	27	14	8.2	6.5	8.8 N	R	ND	ND	ND	ND	ND) ND	O ND	ND ND	ND	ND	ND	ND	1
Bromomethane (Methyl bromide)	ND	ND	ND	ND	ND	ND) NE	D NE	NE.) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.2 BJ	ND	ND	ND	ND	ND N) ND	0.33 B	J ND	ND	ND	ND) ND	O ND	ND ND	ND	ND	ND	ND	5
2-Butanone (MEK)	ND	ND	ND	ND	ND	ND) NE) NE	ND.) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N	10	ND	ND	ND	ND	ND) ND	O ND	ND ND	ND	ND	ND	ND	50
Carbon disulfide	ND	ND	0.2 J	ND	ND	ND) NE) NE	ND) N	D ND	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N) ND	ND	ND	ND	ND	ND) ND) ND	ND ND	ND	ND	ND	ND	-
Carbon tetrachloride	ND	ND	ND	ND	ND	ND) NE	O NE	ND) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N) ND	ND	ND	ND	ND	ND) ND) ND	ND ND	ND	ND	ND	ND	5
Chloroethane	ND	ND	ND	ND	ND	ND) NE	O NE	ND.) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N) ND	ND	ND	ND	ND	ND) ND	O ND	ND ND	ND	ND	ND	ND	5
Chloroform	ND	ND	ND	ND	ND	ND) NE	O NE	ND.) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N) ND	ND	ND	ND	ND	ND) ND	O ND	ND ND	ND	ND	ND	ND	7
Chloromethane (Methyl chloride)	ND	ND	ND	ND	ND	1.1	NE	O NE	ND.) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N) ND	ND	ND	ND	ND	ND) ND	O ND	ND ND	ND	1.6	ND	ND	5
Cyclohexane	ND	ND	ND	ND	ND	ND) NE	O NE	ND.) N	D ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8	21	12	11	12	15 N) ND	ND	ND	ND	ND	ND) ND	D ND	ND ND	ND	ND	ND	ND	
1,1-Dichloroethene	ND	ND	0.2 J	ND	ND	ND) NE) NE	ND) N	D 1	13	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND N) ND	ND	ND	ND	ND	ND) ND	O ND	ND ND	ND	ND	ND	ND	5
cis-1,2-Dichloroethene	NA	NA	91	75	72	71	79	9 80	NA	A N	A NA	NA	NA	13	3	1.8	1.7	7.3	ND	NA	NA	NA	NA	NA	4.1	3.5	3	7.5	2.7	2.2 N	NA NA	ND	ND	ND	ND	ND) ND	D ND	0.21 J	l ND	ND	ND	ND	5
trans-1,2-Dichloroethene	NA	NA	0.71 J	ND	ND	_	_				A NA		NA	0.24 J	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND		ND N				ND	_						ND	ND	ND	5
Total 1,2-Dichloroethene	43	40	NA	NA	NA				_		7 1900		2200	NA	NA	NA	NA	NA	ND	ND	3 J	6	36	6	NA	NA	NA	NA		ND N				NA		NA				NA	NA	NA	ND	5
Ethylbenzene	ND	ND	ND	ND	ND						D ND		ND	ND	ND	ND	ND	ND	ND	ND	6 J	ND	ND	ND	ND	ND	ND	ND		ND N				ND						ND	ND	ND	ND	5
Isopropylbenzene (Cumene)	ND	ND	ND	ND	ND				_		D ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	1.7		1.6 N				ND							ND	ND	ND	5
Methylcyclohexane	ND	ND	ND	ND	ND	_	_			_			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	6.9	4.4	5		5.1 N		ND	_	ND	_	_						ND	ND	
Methylene chloride	R	ND	ND	ND	ND				_		D ND		ND	ND	ND	ND	ND	ND	ND	R	R	ND	ND	ND	ND	ND	ND	ND		ND N		ND		ND						ND	ND	ND	ND	5
4-methyl-2-pentanone (MIBK)	9 J	ND	ND	ND	ND				_		D ND		ND	ND	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND	ND	ND	ND		ND N		ND		ND		ND				ND	ND	ND	ND	
Methyl tert butyl ether (MTBE)	ND	ND	1.8	1.6	2	1.7			_		D ND		ND	4.6	5.1	4.7	4	4.3	4.1	ND	ND	ND	ND	ND	4.5	3.7	1.6	ND		ND N				ND							ND	ND	ND	10
Styrene	ND	ND	ND	ND	ND	_	_			_			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND N			_	ND	_	_				ND	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	ND						D ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND -	ND	ND	ND	ND	ND		ND N		ND	ND	ND						ND	ND	ND	ND	5
Tetrachloroethene	410	360	88	70	87								ND	24	ND	ND	ND	4.2	ND	ND	ND	ND	5	6	ND	ND	ND	ND		ND 6		3.2	_	4	2.5						ND	ND	ND	5
Toluene Trichloroethene	ND	ND	ND 21	ND 17	ND 21						D ND		ND 14	ND 7.7	ND ND	ND ND	ND ND	ND	ND	ND ND	ND	ND	2	ND	0.69 J	5.7	5.7	ND		ND N		_		ND							ND ND	ND ND	ND ND	5
THOMOTOGRAPHO	22 J ND	26 ND	1.5	1.7	1.4				_		0 83 D 17		390		1.2	ND ND	ND	1.8 ND	ND ND	ND ND	ND ND	ND 1		2 ND	ND 1.3	ND 1.1	ND ND	ND 2.1		ND N		_	_	ND ND	_						ND 1	ND ND		5
Vinyl chloride o-Xylenes	ND	ND	ND	ND	ND		_						ND	2.6 ND	ND	ND ND	ND	1.4	ND	ND ND	ND	ND	3 ND	ND	ND	ND	1.9	ND		ND N		ND ND	_	ND ND	_	_					ND	ND ND	ND	5
m+p Xylene	ND	ND	ND	ND	ND						D ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	3.3	8.3	5.8		3.1 N				ND						ND	ND	ND	ND	5
Total Xvlene	ND	ND	ND	ND	ND				_				ND	ND	ND	ND	ND	1.4		ND	2 J	ND	ND	ND	0.3 J	3.3	8.3	5.8		ND N				_						_		ND	ND	5
Total VOCs	484.0	426.0	205.8	165.3	183.4					_	5.0 2078.0			52.1	9.3	7.0	5.7	19.0	4.1	26.0	11.0	14.0	61.0	14.0	26.0	72.2	86.3	82.3		36.8 26		_		_								0.0	0.0	<u></u>
Total Chlorinated VOCs	10 1.0					_				_	5.0 2077.0				4.2	2.0	1.7	13.3	0.0	0.0	3.0	7.0	48.0	14.0	5.4	4.6	3.0	9.6		3.2 6		_				_						0.0	0.0	\Longrightarrow
Water Quality Parameters (mg/L)	170.0	120.0	LOLIL	100.1	1011		. 101	.0 171	0 1000	,.0 11.	2011.	0200.0	2001.0	17.0		2.0		10.0	0.0	0.0	0.0	7.0	10.0	1 1.0	0.1	1.0	0.0	0.0	0.0	0.2	,	0.2	0.2	1.0	0.0	2.0			0.1	0.0	1.0	0.0	0.0	$\widehat{}$
Iron- Soluble	NA	NA	NA	NA	NA	NA	. NA	A NA	. NA	A N	A NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA N	A NA	NA	NA	NA	NA	NA	A NA	A NA	NA NA	NA	NA	NA	NA	300
Manganese- Soluble	NA	NA	NA	NA	NA				_		A NA		NA	4.94	5.49	5.6	4.91	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA N		_										NA		300
Nitrate, mg/L-N	NA	NA	NA	NA	NA								NA	ND	ND	ND ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA N		NA	NA	NA	NA	NA.				NA	NA	NA	NA	10
Sulfate	NA	NA	NA	NA	NA	NA	NA NA	A NA	. NA	A N	A NA	NA	NA	18.3	17.1	17	16.7	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA N	NA NA	NA	NA	NA	NA	NA	A NA	A NA		NA	NA	NA	NA	250
Sulfide	NA	NA	NA	NA	NA				_		A NA		NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA N		NA		NA	_	NA				NA	NA	NA	NA	50
Chloride	NA	NA	NA	NA	NA	NA			_		A NA		NA	454	430	544	415	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA N		NA	_	NA						NA	NA	NA		.50E+08
Carbon Dioxide	NA	NA	NA	NA	NA	_	_			_	A NA		NA	66	63	ND	52	67	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		NA N			_	NA	_	NA			NA NA	NA		NA	NA	_
Ethane	NA	NA	NA	NA	NA	NA	N.A	A NA	. NA	A N	A NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA N	NA NA	NA	NA	NA	NA	NA	A NA	A NA	NA NA	NA	NA	NA	NA	-
Ethylene	NA	NA	NA	NA	NA	NA	N.A	A NA	. NA	A N	A NA	NA	NA	0.0008 J	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA N	NA NA	NA	NA	NA	NA	NA	A NA	A NA	NA NA	NA	NA	NA	NA	
Methane	NA	NA	NA	NA	NA	NA	NA NA	A NA	. NA	A N	A NA	NA	NA	0.051	0.049	0.13	0.074	0.074	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA N	NA NA	NA	NA	NA	NA	NA	A NA	A NA		NA	NA	NA	NA	
Total Alkalinity	NA	NA	NA	NA	NA	NA	NA NA	A NA	. NA	A N	A NA	NA	NA	334	333	314	338	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA N	NA NA	NA	NA	NA	NA	NA	A NA	A NA	NA NA	NA	NA	NA	NA	
Total Organic Carbon	NA	NA	NA	NA	NA	NA	N.A	A NA	. NA	A N	A 6	36.6	23.9	4.26	2.6	3.5	3.5	ND	NA	NA	NA	9.5	8	12.4	NA	NA	NA	NA	NA	NA N	NA NA	NA	NA	NA	NA	NA	A NA	A NA	NA NA	NA	NA	NA	NA	
Field Measurements (units as indicated)																																												
pH (units)			7.00	7.03	6.86	6.60	0 6.7	71 6.9	3					7.08	6.96	6.94	6.70	6.90	7.10						7.15	7.13	7.01	6.77	6.84	7.03		7.02	7.02	7.01	6.98	6.74	4 6.60	6.90	0 7.25	6.78	6.70	6.87	7.01	5.5 - 8.5.
Temperature (°C)			11.4	11.5	17.2	2 18.6	6 11.	.9 14.	9					11.7	10.8	14.2	19.6	13.2	16.1						11	10.6	15.3	17.6	13.2	14.5		11.5	11.5	12	16.1	19.7	7 12.8	.8 16.1	1 11.9	7.5	22.7	12.3	17.3	-
Specific Conductance (uS)			2000	1663	1994	4 210	7 211	13 212	7					2016	2000	1987	2028	2097	2038						2966	3252	4081	3416	3227	3720		1538	1538	1421	1153	1348	18 1569	39 1520	0 1140	1510	1429	1440	1175	
Turbidity (NTU)			214	311	39.9	7.02	2 18.	.8 8.4	5					9.04	20.4	7.62	5.26	22	49.8						100	50.2	8.3	4.38	15.3	15.7		88.1	88.1	28.2	25	7.8	9.83	3 25.7	7 5.35	8.81	1.53	1.7	3.31	
ORP (mV)			58	51	63	42	42	2 65						41	24	15	0	- 51	- 6						-87	-117	-139	- 140	- 113 -	130		27	27	15	1	13	3 22	2 5	-99	-99	-132	98	-41	
DO (ppm)			1.53	1.45	1.61	1.38	8 1.7	7 1.2	7					1.38	1.3	1.48	1.33	1.79	1.14			-			1.47	2.27	1.36	0.97	1.3	1.42		1.35	1.35	2.15	3.56	2.2	2 1.66	6 1.81	1 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 RUFS 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 redicted.

Excedeeds GWQS



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

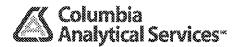
FIGURES



ATTACHMENT 1

LABORATORY ANALYTICAL DATA





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

Page 1 of 21

CASE NARRATIVE

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

<u>Lab ID</u>	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.



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 Certifications¹

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.

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market

Sample Matrix:

Water

Sample Name: Lab Code:

R1002869-001

MW-10S

Service Request: R1002869 Date Collected: 5/27/10 0914 Date Received: 5/27/10

> Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

				Dilution	Date	Date	Extraction Analysis
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot Lot Note
1,1,1-Trichloroethane (TCA)	1.0	Ū	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		5.0	1	NA	6/4/10 14:09	
Acetone	5.0	U	5.0	1	NA	6/4/10 14:09	203489
Benzene	1.0		1.0	1	NA	6/4/10 14:09	
Bromodichloromethane	1.0		1.0	1	NA	6/4/10 14:09	
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		1.0	1	NA	6/4/10 14:09	
Cyclohexane	1.0		1.0	1	NA	6/4/10 14:09	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 14:09	203489
Dichlorodifluoromethane (CFC 12)	1.0		1.0	1	NA	6/4/10 14:09	
Dichloromethane	1.0		1.0	1	NA	6/4/10 14:09	203489
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 14:09	203489

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-10S Lab Code: R1002869-001 Service Request: R1002869

Date Collected: 5/27/10 0914

Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

				Dilution	Date	Date	Extraction	Analysi	S
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	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	1	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	Ŭ	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	

		Control	Date		
Surrogate Name	%Rec	Limits	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		

~		
Com	me	nts:

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-1SR Lab Code: R1002869-002 **Service Request:** R1002869 **Date Collected:** 5/27/10 0952 **Date Received:** 5/27/10

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analytical Method: 6200B						
Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis Lot 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:

SuperSet Reference:

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-1SR Lab Code: R1002869-002 Service Request: R1002869

Date Collected: 5/27/10 0952

Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

				Dilution	Date	Date	Extraction	Analysi	S
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	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	1	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	1	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	1	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	ı	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	\$:
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Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market

R1002869-003

Sample Matrix: Sample Name:

Water

Lab Code:

MW-7S

Date Received: 5/27/10

Service Request: R1002869 **Date Collected:** 5/27/10 1013

Units: µg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

•				Dilution	Date	Date	Extraction Analysis
Analyte Name	Result	Q	MRL		Extracted	Analyzed	Lot Lot No
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		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		1.0	1	NA	6/4/10 15:04	
Bromoform	1.0	U	1.0	1	NA	6/4/10 15:04	203489
Bromomethane	1.0		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		1.0	1	NA	6/4/10 15:04	203489
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 15:04	203489

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-7S

Lab Code: R1002869-003

Service Request: R1002869

Date Collected: 5/27/10 1013

Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

	.	_	T.F.D.Y	Dilution	Date	Date	Extraction	•	
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	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	

		Control	Date			
Surrogate Name	%Rec	Limits	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			

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-21S Lab Code: R1002869-004 Service Request: R1002869

Date Collected: 5/27/10 1037

Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

				Dilution	Date	Date	Extraction Analysi	:.
Analyte Name	Result	Q	MRL		Extracted	Analyzed	•	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		5.0	1	NA	6/4/10 15:31		
Acetone	5.0	U	5,0	1	NA	6/4/10 15:31	203489)
Benzene	1.0		1.0	1	NA	6/4/10 15:31	203489)
Bromodichloromethane	1.0		1.0	1	NA	6/4/10 15:31		
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	Ŭ	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		1.0	1	NA	6/4/10 15:31	203489)
Chloroform	1.0	U	1.0	1	NA	6/4/10 15:31	203489	t
Chloromethane	1.0	U	1.0	1	NA	6/4/10 15:31	203489	1
Cyclohexane	1.0		1.0	1	NA	6/4/10 15:31	203489	
Dibromochloromethane	1.0	U	1.0	1	NA	6/4/10 15:31	203489	<u> </u>
Dichlorodifluoromethane (CFC 12)	1.0		1.0	1	NA	6/4/10 15:31	203489	
Dichloromethane	1.0		1.0	1	NA	6/4/10 15:31	203489	
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 15:31	203489	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-21S Lab Code: R1002869-004 Service Request: R1002869

Date Collected: 5/27/10 1037

Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

				Dilution	Date	Date	Extraction	Analysi	S
Analyte Name	Result	Q	MRL	Factor	Extracted	Analyzed	Lot	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	

	Control	Date		
Surrogate Name %Rec	Limits	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		

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Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market

Sample Matrix:

Water

Sample Name: Lab Code:

MW-3SR R1002869-005 Service Request: R1002869

Date Collected: 5/27/10 1057

Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Timalytical Method. 0200D				D1 41.	D - 4 -	T) - 4 -	T3 4 42 4 - 1 - 1	
Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysi Lot Lot	s 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	Ŭ	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	\sqrt{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		1.0	1	NA	6/4/10 15:59		
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 15:59	203489	

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: MW-3SR Lab Code: R1002869-005 Service Request: R1002869

Date Collected: 5/27/10 1057

Units: μg/L Basis: NA

Date Received: 5/27/10

Volatile Organic Compounds by GC/MS

A contact a Nicona	n14	0	MODY	Dilution	Date	Date	Extraction An	-	
Analyte Name	Result	Ų	MRL	Factor	Extracted	Analyzed	Lot 1	Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
Methyl Acetate	2.0	U	2.0	1	NA	6/4/10 15:59	20:	3489	
Methyl tert-Butyl Ether	4.1		1.0	1	NA	6/4/10 15:59	20:	3489	
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
Styrene	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
Toluene	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
Trichloroethene (TCE)	1.0	Ŭ	1.0	1	NA	6/4/10 15:59	20:	3489	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
Vinyl Chloride	1,0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:59	203	3489	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 15:59	20:	3489	
o-Xylene	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 15:59	203	3489	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 15:59	20:	3489	

%Rec	Limits	4 - 1 - 1 O		
,0100		Analyzed Q	Note	
105	85-122	6/4/10 15:59		
107	89-119	6/4/10 15:59		
104	87-121	6/4/10 15:59		
	105 107	105 85-122 107 89-119	105 85-122 6/4/10 15:59 107 89-119 6/4/10 15:59	105 85-122 6/4/10 15:59 107 89-119 6/4/10 15:59

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: TRIP BLANK Lab Code: R1002869-006

Service Request: R1002869
Date Collected: 5/27/10 0914
Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	0	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis Lot Lot Not
1,1,1-Trichloroethane (TCA)	1.0		1,0	1	NA	6/4/10 16:26	
1,1,2,2-Tetrachloroethane	1.0		1.0	1	NA NA	6/4/10 16:26	
1,1,2-Trichloroethane	1.0		1.0	1	NA	6/4/10 16:26	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0		1.0	1	NA	6/4/10 16:26	
1,1-Dichloroethane (1,1-DCA)	1.0		1.0	î	NA	6/4/10 16:26	
1,1-Dichloroethene (1,1-DCE)	1.0		1.0	1	NA	6/4/10 16:26	
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		2.0	1	NA	6/4/10 16:26	
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		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		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		5.0	1	NA	6/4/10 16:26	203489
4-Methyl-2-pentanone	5.0		5.0	1	NA	6/4/10 16:26	
Acetone	5.0	U	5.0	1	NA	6/4/10 16:26	203489
Benzene	1.0		1.0	1	NA	6/4/10 16:26	
Bromodichloromethane	1.0		1.0	1	NA	6/4/10 16:26	203489
Bromoform	1.0	U	1.0	l	NA	6/4/10 16:26	203489
Bromomethane	1.0		1.0	1	NA	6/4/10 16:26	203489
Carbon Disulfide	1.0		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		1.0	I	NA	6/4/10 16:26	203489
Chloroethane	1.0		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		1.0	1	NA	6/4/10 16:26	203489
Cyclohexane	1.0		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		1.0	1	NA	6/4/10 16:26	203489
Dichloromethane	1.0		1.0	1	NA	6/4/10 16:26	203489
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 16:26	203489

Analytical Report

Client:

Benchmark Environmental Engineering

Project: Sample Matrix: Seneca Market

Sample Name:

Water

Lab Code:

TRIP BLANK R1002869-006 Service Request: R1002869

Date Collected: 5/27/10 0914
Date Received: 5/27/10

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analyte Name	Result	O	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analy Lot Lot	
Isopropylbenzene (Cumene)	1.0		1.0	1	NA	6/4/10 16:26		
Methyl Acetate	2.0		2.0	1	NA	6/4/10 16:26		
Methyl tert-Butyl Ether	1.0		1.0	1	NA	6/4/10 16:26		
Methylcyclohexane	1.0	U	1.0	1	NA	6/4/10 16:26	20348	39
Styrene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	6/4/10 16:26	20348	39
Toluene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
Trichloroethene (TCE)	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	6/4/10 16:26	20348	39
Vinyl Chloride	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
m,p-Xylenes	2.0	U	2.0	1	NA	6/4/10 16:26	20348	19
o-Xylene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	6/4/10 16:26	20348	19

		Control	Date			
Surrogate Name	%Rec	Limits	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			

Comment	
Comment	S:

Analytical Report

Client: Benchmark Environmental Engineering

Project: Seneca Market

Sample Matrix: Water

Sample Name: Method Blank Lab Code: RQ1004419-01 Service Request: R1002869

Date Collected: NA
Date Received: NA

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

1				Dilution	Date	Date	Extraction Analysis
Analyte Name	Result	Q	MRL		Extracted	Analyzed	Lot 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	
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		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		1.0	1	NA	6/4/10 11:35	203489
Chloroethane	1.0		1.0	1	NA	6/4/10 11:35	
Chloroform	1.0	U	1.0	1	NA	6/4/10 11:35	203489
Chloromethane	1.0		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		1.0	1	NA	6/4/10 11:35	203489
Dichloromethane	1.0		1.0	1	NA	6/4/10 11:35	203489
Ethylbenzene	1.0	U	1.0	1	NA	6/4/10 11:35	203489
				-		· ·	

Analytical Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market

Sample Matrix:

Water

Sample Name: Lab Code: Method Blank RQ1004419-01 Service Request: R1002869

Date Collected: NA
Date Received: NA

Units: μg/L Basis: NA

Volatile Organic Compounds by GC/MS

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis Lot Lot	
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		
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	I	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	0	Note	
4-Bromofluorobenzene	105	85-122	6/4/10 11:35	<u> </u>		
Dibromofluoromethane	105	89-119	6/4/10 11:35			
Toluene-d8	105	87-121	6/4/10 11:35			

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

	Lab Control Sample RQ1004419-02 %				
Analyte Name	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	

QA/QC Report

Client:

Benchmark Environmental Engineering

Project:

Seneca Market

Sample Matrix:

Water

Service Request: R1002869

Date Analyzed: 6/4/10

Units: µg/L

Basis: NA
Analysis Lot: 203489

Lab Control Sample Summary Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Lab Control Sample RQ1004419-02 % Rec **Analyte Name** Result Expected % Rec Limits Methylcyclohexane 20.0 97 64 - 133 19.4 Styrene 17.9 20.0 90 80 - 132Tetrachloroethene (PCE) 17.9 20.0 89 72 - 131 Toluene 19.5 20.0 98 78 - 122 Trichloroethene (TCE) 74 - 127 19.3 20.0 97 Trichlorofluoromethane (CFC 11) 22,3 20.0 71 - 139111 Vinyl Chloride 21.5 20.0 108 71 - 136cis-1,2-Dichloroethene 19.1 20.0 96 78 - 122 cis-1,3-Dichloropropene 18.4 20.0 92 77 - 125 79 - 126 m,p-Xylenes 37,7 94 40.0 o-Xylene 20.0 92 79 - 126 18.5 trans-1,2-Dichloroethene 97 19.4 20.0 75 - 121 trans-1,3-Dichloropropene 18.6 20.0 93 69 - 127

Comments:			

(Solumbia 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)

CAS Contact # US

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PAGE

REMARKS/ ALTERNATE DESCRIPTION INVOICE INFORMATION ∞. Q-06460K ANALYSIS REQUESTED (Include Method Number and Container Preservative) BILL TO: REPORT REQUIREMENTS II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration I. Results Only TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr REQUESTED FAX DATE PRESERVATIVE 3 ~ (1) NUMBER OF CONTAINERS MATRIX 1037 10S7 2001 SAMPLING DATE TIME Sampler's Printed Name FOR OFFICE USE ONLY LAB ID Project Number Report CC GUN Hampur Lackrumme SPECIAL INSTRUCTIONS/COMMENTS Metals CLIENT SAMPLE ID MV-352 nw-215 Nw-158 mw-10 S mr- 75 255g Seneca Sampler's Signature

Printed Name Date/Time Jistribution: White - Return to Originator; Yellow - Lab Copy 1352

SCOC Rev. 3/10

Printed Name Signature

Printed Name

Printed Name

Date/Time

Date/Time

N. Data Validation Report R1002869

REQUESTED REPORT DATE

Summaries

V. Specialized Forms / Cu: Yes

Edata

RELINQUISHED BY

RECEIVED BY

CUSTODY SEALS: Y

RELINQUISHED BY

RECEIVED BY

SAMPLE RECEIPT: CONDITION/COOLER TEMP:

See OAPP

RELINQUISHED BY

Signature

Cooler Receipt And Preservation Check Form

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	ect/Client_					_Submission 1	Vumber_	R10-7	269	
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	Date/Tim	e Te	mper	atures Taken:	5	127/10 1	400	•	110	NO
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≥12	NaOH					 	Added		pН	samples OK
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≥2 Residual	H₂SO₄						 			No = Samples
Chlorine	For TCN and			If present, contact	PM to		 			were
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PC Secondary Review: WM 6/2/10 *significant air bubbles are greater than 5-6 mm