

March 27, 2009

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
First Quarter 2009 Groundwater Monitoring

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 February 2009 groundwater monitoring event at the Seneca Market Site in Watkins Glen, New York (Site; see Figure 1).

This groundwater monitoring event included sampling and analysis of MW-1SR, MW-3SR, MW-7S, MW-10S and MW-21S as well as groundwater gauging of MW-4S and MW-9S. Groundwater samples from each of the sampled wells were analyzed for target compound list (TCL) volatile organic compounds (VOCs). The groundwater sample collected from MW-3SR was also analyzed for dissolved iron and manganese, nitrate, sulfate, sulfide, chloride, alkalinity, total organic carbon, metabolic acids and dissolved gases. 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 (attached) summarizes the analytical and field results from the February 2009 groundwater monitoring event as well as historic groundwater monitoring events completed by Benchmark and the NYSDEC.

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, MW10S or MW-21S. Furthermore, concentrations of chlorinated VOCs in MW-1SR have significantly decreased over time. Of particular significance, MW-3SR, located in the area of VOC source soil removal by Seneca Market, has decreased from 6,203 micrograms per liter (ug/L) total chlorinated VOCs in June 2000 to 4 ug/L total chlorinated VOCs in February 2009. The

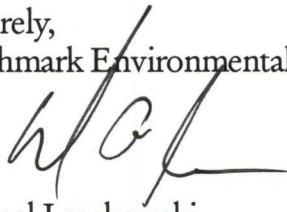
results of the February 2009 sampling event also confirm that biodegradation of VOCs in groundwater is occurring. This is evidenced by the overall reduction in concentrations of chlorinated VOCs, the presence of tetrachloroethene (PCE) breakdown products, including trichloroethene (TCE), cis-1,2-DCE and vinyl chloride, and the presence of end-product dissolved gases, include carbon dioxide and methane.

Concentrations of petroleum VOCs, including, benzene, toluene, xylene and methyl tert butyl ether (MtBE), in MW-7S and MtBE in MW-3SR 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.

Monitoring well elevations of MW-1SR, MW-3SR, MW-7S, MW-10S, MW-21S, MW-4S and MW-9S were surveyed on February 27, 2009 and static groundwater elevations were recorded. Table 2 shows the relative groundwater elevations and Figure 1 includes estimated groundwater flow direction. The groundwater flow is generally consistent with historic groundwater gauging data.

The second quarterly groundwater sampling event for 2009 will be completed in May 2009. Please contact us with any questions or comments.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC



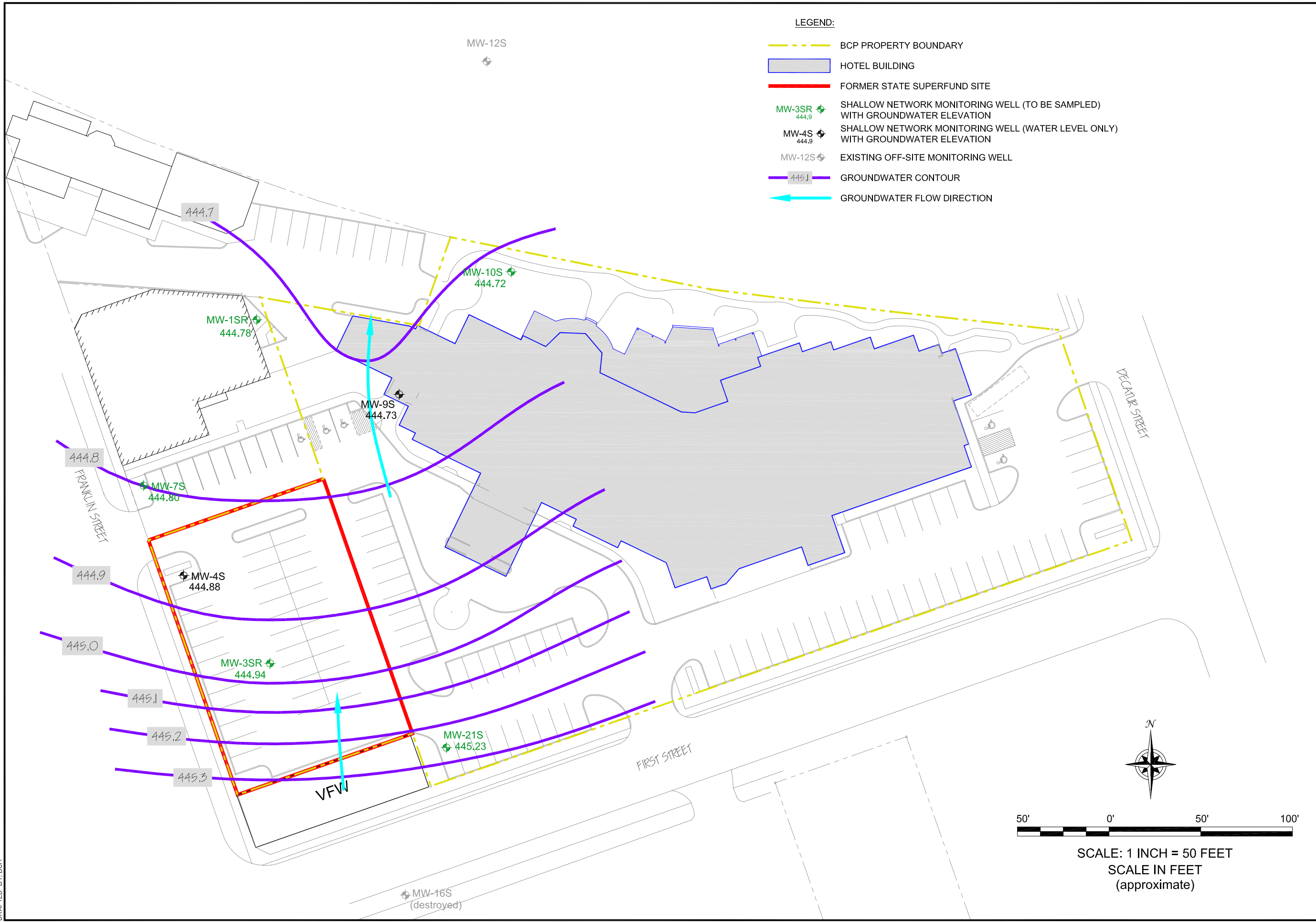
Michael Lesakowski
Project Manager

Att.

c: P. Sheedy (Seneca Market I, LLC)

TABLE

FIGURE



**LTGWM NETWORK & ISO POTENTIAL MAP
FIRST QUARTER 2009 (02-27-09)**

LONG-TERM GROUNDWATER MONITORING PROGRAM

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

PREPARED FOR
SENECA MARKET I, LLC

FIGURE 1

ATTACHMENT 1

LABORATORY ANALYTICAL DATA
FEBRUARY 2009 SAMPLING EVENT

March 25, 2009

Service Request No: R0901117

Mr. Michael Lesakowski
Benchmark Environmental Engineering
726 Exchange Street
Suite 624
Buffalo, NY 14210

Laboratory Results for: Seneca Market

Dear Mr. Lesakowski:

Enclosed are the results of the sample(s) submitted to our laboratory on February 27, 2009. For your reference, these analyses have been assigned our service request number **R0901117**.

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 JJaeager@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.



Janice Jaeger
Client Services Manager

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CASE NARRATIVE

COMPANY: Benchmark Environmental Engineering
Seneca Market
SUBMISSION #: R0901117
Page 1 of 2

Benchmark samples were collected on 2/27/09 and received at CAS on 2/27/09 in good condition with the exception of the sample receipt temperature. Samples were received at 10°C, outside of the acceptable range of 1°C – 6°C. Also, the sample for Metabolic Acids was received with inadequate chemical preservation. The sample was preserved upon lab receipt.

INORGANICS

One water sample was analyzed for a site specific list of inorganics. Please see attached data pages for method numbers. All soluble Metals were field filtered and preserved.

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

No analytical or QC problems were encountered.

VOLATILE ORGANICS

Six water samples were analyzed for a site specific list of Volatiles by Method 8260B from SW-846.

All the initial and continuing calibration criteria were met for all analytes.

All internal standard areas were within QC limits.

All surrogate standard recoveries were within QC limits.

Site specific QC was not requested. All Blank 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 analytical or QC problems were encountered.

RSK 175

One water sample was analyzed for Methane, Ethane and Ethene by modified RSK 175.

All the initial and continuing calibration criteria were met for all analytes.

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

The Laboratory Blanks associated with these analyses were free of contamination.

All samples were analyzed within holding times.

No other analytical or QC problems were encountered.

METABOLIC ACIDS

One water sample was analyzed for a site specific list of metabolic acids.

All the initial and continuing calibration criteria were met for all analytes.

Site specific QC was not requested. All Blank Spike/Blank Spike Duplicate recoveries were within limits. All RPD's were within limits.


The Laboratory Blanks associated with these analyses were free of contamination.

All samples were extracted and analyzed within required holding times

No analytical or QC problems were encountered.

CARBON DIOXIDE

One water sample was subcontracted to CAS-Simi Valley for Carbon Dioxide analysis. Their complete data package has been included.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the details conditioned above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature, 

Client: Benchmark Environmental Engineering
Project: Seneca Market

Service Request: R0901117

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R0901117-001	MW-21S	2/27/09	09:59
R0901117-002	MW-7S	2/27/09	11:51
R0901117-003	MW-1SR	2/27/09	13:13
R0901117-004	MW-10S	2/27/09	13:55
R0901117-005	MW-3SR	2/27/09	10:44
R0901117-006	MW-3SR SOLUBLE	2/27/09	10:44
R0901117-007	TRIP BLANK	2/27/09	

REPORT QUALIFIERS

- U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the concentration is less than the reporting limit and greater than the MDL (concentrations are not verified within the initial calibration range).

For DoD reports, the J-flag may also be used to indicate that the concentration between two columns for pesticides/Aroclors is greater than 40% difference.
- B - Indicates this compound was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- B- Metals - Indicates an estimated value. The concentration is less than the reporting limit and greater than the MDL (concentrations are not verified within the initial calibration range).
- E - Indicates that the sample concentration had exceeded the calibration range for that specific analysis.
- D - Indicates the sample concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range.
- * - Indicates that a quality control parameter has exceeded laboratory limits.
- X - See Case Narrative for discussion.
- P - This flag is used for a pesticide/Aroclor target concentration when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns.

For DoD reports, the J-flag is used instead of "P".
- N - Inorganics- Indicates the matrix spike recovery was outside laboratory limits.
- N- Organics- Indicates presumptive evidence of a compound (reported as a tentatively identified compound) based on the mass spectral library search.



CAS/Rochester Lab ID # for State Certifications¹

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-21S
Lab Code: R0901117-001

Service Request: R0901117
Date Collected: 2/27/09 0959
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	3/10/09 20:16		146949	
1,2-Dibromoethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,2-Dichloroethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,2-Dichloropropane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
2-Butanone (MEK)	5.0	U	5.0	1	NA	3/10/09 20:16		146949	
2-Hexanone	5.0	U	5.0	1	NA	3/10/09 20:16		146949	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	3/10/09 20:16		146949	
Acetone	5.0	U	5.0	1	NA	3/10/09 20:16		146949	
Benzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Bromodichloromethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Bromoform	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Bromomethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Carbon Disulfide	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Carbon Tetrachloride	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Chlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Chloroethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Chloroform	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Chloromethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Cyclohexane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Dibromochloromethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Dichloromethane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Ethylbenzene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-21S
Lab Code: R0901117-001

Service Request: R0901117
Date Collected: 2/27/09 0959
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Methyl Acetate	2.0	U	2.0	1	NA	3/10/09 20:16		146949	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Methylcyclohexane	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Styrene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Toluene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
Vinyl Chloride	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
m,p-Xylenes	2.0	U	2.0	1	NA	3/10/09 20:16		146949	
o-Xylene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 20:16		146949	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	3/10/09 20:16		
Dibromofluoromethane	112	89-115	3/10/09 20:16		
Toluene-d8	113	88-124	3/10/09 20:16		

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
 Project: Seneca Market
 Sample Matrix: Water
 Sample Name: MW-7S
 Lab Code: R0901117-002

Service Request: R0901117
 Date Collected: 2/27/09 1151
 Date Received: 2/27/09
 Units: µg/L
 Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	3/10/09 20:45		146949	
1,2-Dibromoethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,2-Dichloroethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,2-Dichloropropane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
2-Butanone (MEK)	5.0	U	5.0	1	NA	3/10/09 20:45		146949	
2-Hexanone	5.0	U	5.0	1	NA	3/10/09 20:45		146949	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	3/10/09 20:45		146949	
Acetone	5.0	U	5.0	1	NA	3/10/09 20:45		146949	
Benzene	27		1.0	1	NA	3/10/09 20:45		146949	
Bromodichloromethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Bromoform	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Bromomethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Carbon Disulfide	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Carbon Tetrachloride	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Chlorobenzene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Chloroethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Chloroform	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Chloromethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Cyclohexane	21		1.0	1	NA	3/10/09 20:45		146949	
Dibromochloromethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Dichloromethane	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Ethylbenzene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-7S
Lab Code: R0901117-002

Service Request: R0901117
Date Collected: 2/27/09 1151
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Methyl Acetate	2.0	U	2.0	1	NA	3/10/09 20:45		146949	
Methyl tert-Butyl Ether	3.7		1.0	1	NA	3/10/09 20:45		146949	
Methylcyclohexane	6.9		1.0	1	NA	3/10/09 20:45		146949	
Styrene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Toluene	5.7		1.0	1	NA	3/10/09 20:45		146949	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
Vinyl Chloride	1.1		1.0	1	NA	3/10/09 20:45		146949	
cis-1,2-Dichloroethene	3.5		1.0	1	NA	3/10/09 20:45		146949	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
m,p-Xylenes	3.3		2.0	1	NA	3/10/09 20:45		146949	
o-Xylene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 20:45		146949	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	3/10/09 20:45		
Dibromofluoromethane	110	89-115	3/10/09 20:45		
Toluene-d8	111	88-124	3/10/09 20:45		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-1SR
Lab Code: R0901117-003

Service Request: R0901117
Date Collected: 2/27/09 1313
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	3/10/09 21:15		146949	
1,2-Dibromoethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,2-Dichloroethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,2-Dichloropropane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
2-Butanone (MEK)	5.0	U	5.0	1	NA	3/10/09 21:15		146949	
2-Hexanone	5.0	U	5.0	1	NA	3/10/09 21:15		146949	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	3/10/09 21:15		146949	
Acetone	5.0	U	5.0	1	NA	3/10/09 21:15		146949	
Benzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Bromodichloromethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Bromoform	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Bromomethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Carbon Disulfide	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Carbon Tetrachloride	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Chlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Chloroethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Chloroform	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Chloromethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Cyclohexane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Dibromochloromethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Dichloromethane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Ethylbenzene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-1SR
Lab Code: R0901117-003

Service Request: R0901117
Date Collected: 2/27/09 1313
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Methyl Acetate	2.0	U	2.0	1	NA	3/10/09 21:15		146949	
Methyl tert-Butyl Ether	1.6		1.0	1	NA	3/10/09 21:15		146949	
Methylcyclohexane	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Styrene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Tetrachloroethene (PCE)	70		1.0	1	NA	3/10/09 21:15		146949	
Toluene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Trichloroethene (TCE)	17		1.0	1	NA	3/10/09 21:15		146949	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
Vinyl Chloride	1.7		1.0	1	NA	3/10/09 21:15		146949	
cis-1,2-Dichloroethene	75		1.0	1	NA	3/10/09 21:15		146949	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
m,p-Xylenes	2.0	U	2.0	1	NA	3/10/09 21:15		146949	
o-Xylene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 21:15		146949	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	107	80-123	3/10/09 21:15		
Dibromofluoromethane	109	89-115	3/10/09 21:15		
Toluene-d8	110	88-124	3/10/09 21:15		

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-10S
Lab Code: R0901117-004

Service Request: R0901117
Date Collected: 2/27/09 1355
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	3/10/09 21:45		146949	
1,2-Dibromoethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,2-Dichloroethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,2-Dichloropropane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
2-Butanone (MEK)	5.0	U	5.0	1	NA	3/10/09 21:45		146949	
2-Hexanone	5.0	U	5.0	1	NA	3/10/09 21:45		146949	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	3/10/09 21:45		146949	
Acetone	5.0	U	5.0	1	NA	3/10/09 21:45		146949	
Benzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Bromodichloromethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Bromoform	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Bromomethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Carbon Disulfide	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Carbon Tetrachloride	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Chlorobenzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Chloroethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Chloroform	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Chloromethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Cyclohexane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Dibromochloromethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Dichloromethane	1.0	U	1.0	1	NA	3/10/09 21:45		146949	
Ethylbenzene	1.0	U	1.0	1	NA	3/10/09 21:45		146949	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-10S
Lab Code: R0901117-004

Service Request: R0901117
Date Collected: 2/27/09 1355
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis	
							Lot	Lot Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Methyl Acetate	2.0	U	2.0	1	NA	3/10/09 21:45		146949
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Methylcyclohexane	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Styrene	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Tetrachloroethene (PCE)	4.0		1.0	1	NA	3/10/09 21:45		146949
Toluene	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Trichloroethene (TCE)	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	3/10/09 21:45		146949
Vinyl Chloride	1.0	U	1.0	1	NA	3/10/09 21:45		146949
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 21:45		146949
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 21:45		146949
m,p-Xylenes	2.0	U	2.0	1	NA	3/10/09 21:45		146949
o-Xylene	1.0	U	1.0	1	NA	3/10/09 21:45		146949
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 21:45		146949
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 21:45		146949

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	107	80-123	3/10/09 21:45		
Dibromofluoromethane	110	89-115	3/10/09 21:45		
Toluene-d8	111	88-124	3/10/09 21:45		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-3SR
Lab Code: R0901117-005

Service Request: R0901117
Date Collected: 2/27/09 1044
Date Received: 2/27/09

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO ₃ , Total	SM 2320 B	333		mg/L	14	1	NA	3/6/09 11:37
Carbon, Total Organic (TOC)	415.1	2.6		mg/L	1.0	1	NA	3/6/09 13:40
Chloride	9056	430		mg/L	20	100	NA	3/3/09 23:29
Nitrate as Nitrogen	9056	0.50	U	mg/L	0.50	10	NA	2/28/09 12:07
Sulfate	9056	17.1		mg/L	2.0	10	NA	2/28/09 12:07
Sulfide, Total	376.1	1.0	U	mg/L	1.0	1	NA	3/6/09 09:00

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-3SR SOLUBLE
Lab Code: R0901117-006

Service Request: R0901117
Date Collected: 2/27/09 1044
Date Received: 2/27/09

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	100 U	µg/L	100	1	3/ 3/09	3/12/09 14:26
Manganese, Dissolved	6010B	5490	µg/L	10	1	3/ 3/09	3/12/09 14:26

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-3SR
Lab Code: R0901117-005

Service Request: R0901117
Date Collected: 2/27/09 1044
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1-Trichloroethane (TCA)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	3/10/09 22:15		146949	
1,2-Dibromoethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,2-Dichloroethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,2-Dichloropropane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
2-Butanone (MEK)	5.0	U	5.0	1	NA	3/10/09 22:15		146949	
2-Hexanone	5.0	U	5.0	1	NA	3/10/09 22:15		146949	
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	3/10/09 22:15		146949	
Acetone	5.0	U	5.0	1	NA	3/10/09 22:15		146949	
Benzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Bromodichloromethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Bromoform	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Bromomethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Carbon Disulfide	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Carbon Tetrachloride	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Chlorobenzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Chloroethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Chloroform	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Chloromethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Cyclohexane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Dibromochloromethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Dichloromethane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Ethylbenzene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-3SR
Lab Code: R0901117-005

Service Request: R0901117
Date Collected: 2/27/09 1044
Date Received: 2/27/09
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Methyl Acetate	2.0	U	2.0	1	NA	3/10/09 22:15		146949	
Methyl tert-Butyl Ether	5.1		1.0	1	NA	3/10/09 22:15		146949	
Methylcyclohexane	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Styrene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Toluene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
Vinyl Chloride	1.2		1.0	1	NA	3/10/09 22:15		146949	
cis-1,2-Dichloroethene	3.0		1.0	1	NA	3/10/09 22:15		146949	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
m,p-Xylenes	2.0	U	2.0	1	NA	3/10/09 22:15		146949	
o-Xylene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 22:15		146949	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	108	80-123	3/10/09 22:15		
Dibromofluoromethane	109	89-115	3/10/09 22:15		
Toluene-d8	111	88-124	3/10/09 22:15		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-3SR
Lab Code: R0901117-005

Service Request: R0901117
Date Collected: 2/27/09 1044
Date Received: 2/27/09

Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result	Q	MRL	Dilution	Date	Date	Extraction Analysis	
				Factor	Extracted	Analyzed	Lot	Lot
Ethane	1.0	U	1.0	1	NA	3/10/09 10:31		145638
Ethene	1.0	U	1.0	1	NA	3/10/09 10:31		145638
Methane	49		2.0	1	NA	3/10/09 10:31		145638

Comments: _____

0001 B

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: MW-3SR
Lab Code: R0901117-005

Service Request: R0901117
Date Collected: 2/27/09 1044
Date Received: 2/27/09
Units: mg/L
Basis: NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis		
							Lot	Lot	Note
Pyruvic Acid	0.50	U	0.50	1	NA	3/17/09 11:06		146477	
Acetic Acid	1.0	U	1.0	1	NA	3/17/09 11:06		146477	
Butanoic Acid (Butyric Acid)	2.0	U	2.0	1	NA	3/17/09 11:06		146477	
Lactic Acid	1.0	U	1.0	1	NA	3/17/09 11:06		146477	
Propionic Acid	1.0	U	1.0	1	NA	3/17/09 11:06		146477	

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R0901117-MB

Service Request: R0901117
Date Collected: NA
Date Received: NA

Basis: NA

General Chemistry Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Alkalinity as CaCO ₃ , Total	SM 2320 B	2.0	U	mg/L	2.0	1	NA	3/6/09 11:37
Carbon, Total Organic (TOC)	415.1	1.0	U	mg/L	1.0	1	NA	3/6/09 11:38
Chloride	9056	0.20	U	mg/L	0.20	1	NA	3/3/09 22:15
Nitrate as Nitrogen	9056	0.050	U	mg/L	0.050	1	NA	2/28/09 11:38
Sulfate	9056	0.20	U	mg/L	0.20	1	NA	2/28/09 11:38
Sulfide, Total	376.1	1.0	U	mg/L	1.0	1	NA	3/6/09 09:00

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: R0901117-MB

Service Request: R0901117
Date Collected: NA
Date Received: NA

Basis: NA

Inorganic Parameters

Analyte Name	Method	Result Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Iron, Dissolved	6010B	100 U	µg/L	100	1	3/ 3/09	3/12/09 14:19
Manganese, Dissolved	6010B	10 U	µg/L	10	1	3/ 3/09	3/12/09 14:19

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ0901835-01

Service Request: R0901117
Date Collected: NA
Date Received: NA
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

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	3/10/09 14:48		146949
1,1,2,2-Tetrachloroethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,1,2-Trichloroethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,1-Dichloroethane (1,1-DCA)	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,1-Dichloroethene (1,1-DCE)	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,2,4-Trichlorobenzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,2-Dibromo-3-chloropropane (DBCP)	2.0	U	2.0	1	NA	3/10/09 14:48		146949
1,2-Dibromoethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,2-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,2-Dichloroethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,2-Dichloropropane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,3-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949
1,4-Dichlorobenzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949
2-Butanone (MEK)	5.0	U	5.0	1	NA	3/10/09 14:48		146949
2-Hexanone	5.0	U	5.0	1	NA	3/10/09 14:48		146949
4-Methyl-2-pentanone	5.0	U	5.0	1	NA	3/10/09 14:48		146949
Acetone	5.0	U	5.0	1	NA	3/10/09 14:48		146949
Benzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Bromodichloromethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Bromoform	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Bromomethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Carbon Disulfide	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Carbon Tetrachloride	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Chlorobenzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Chloroethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Chloroform	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Chloromethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Cyclohexane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Dibromochloromethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Dichlorodifluoromethane (CFC 12)	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Dichloromethane	1.0	U	1.0	1	NA	3/10/09 14:48		146949
Ethylbenzene	1.0	U	1.0	1	NA	3/10/09 14:48		146949

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ0901835-01

Service Request: R0901117
Date Collected: NA
Date Received: NA
Units: µg/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analytical Method: 8260B

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Isopropylbenzene (Cumene)	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Methyl Acetate	2.0	U	2.0	1	NA	3/10/09 14:48		146949	
Methyl tert-Butyl Ether	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Methylcyclohexane	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Styrene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Tetrachloroethene (PCE)	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Toluene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Trichloroethene (TCE)	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Trichlorofluoromethane (CFC 11)	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
Vinyl Chloride	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
cis-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
cis-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
m,p-Xylenes	2.0	U	2.0	1	NA	3/10/09 14:48		146949	
o-Xylene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
trans-1,2-Dichloroethene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	
trans-1,3-Dichloropropene	1.0	U	1.0	1	NA	3/10/09 14:48		146949	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
4-Bromofluorobenzene	104	80-123	3/10/09 14:48		
Dibromofluoromethane	107	89-115	3/10/09 14:48		
Toluene-d8	109	88-124	3/10/09 14:48		

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ0901517-01

Service Request: R0901117
Date Collected: NA
Date Received: NA
Units: µg/L
Basis: NA

Dissolved Gases by GC/FID

Analytical Method: RSK 175

Analyte Name	Result Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis	
						Lot	Lot Note
Ethane	1.0 U	1.0	1	NA	3/10/09 09:56	145638	
Ethene	1.0 U	1.0	1	NA	3/10/09 09:56	145638	
Methane	2.0 U	2.0	1	NA	3/10/09 09:56	145638	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Benchmark Environmental Engineering
Project: Seneca Market
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: RQ0901707-01

Service Request: R0901117
Date Collected: NA
Date Received: NA
Units: mg/L
Basis: NA

Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Analysis	
							Lot	Lot Note
Pyruvic Acid	0.50	U	0.50	1	NA	3/17/09 09:28		146477
Acetic Acid	1.0	U	1.0	1	NA	3/17/09 09:28		146477
Butanoic Acid (Butyric Acid)	2.0	U	2.0	1	NA	3/17/09 09:28		146477
Lactic Acid	1.0	U	1.0	1	NA	3/17/09 09:28		146477
Propionic Acid	1.0	U	1.0	1	NA	3/17/09 09:28		146477

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: R0901117
Date Analyzed: 2/28/09 - 3/
6/09

**Lab Control Sample Summary
General Chemistry Parameters**

Units: mg/L
Basis: NA

Analyte Name	Method	Lab Control Sample			% Rec Limits
		Result	Expected	% Rec	
Carbon, Total Organic (TOC)	415.1	9.46	10.0	94	87 - 120
Chloride	9056	1.98	2.00	99	90 - 110
Sulfate	9056	1.97	2.00	98	90 - 110
Sulfide, Total	376.1	5.30	5.4	99	61 - 140
Alkalinity as CaCO ₃ , Total	SM 2320 B	19.0	20.0	95	93 - 111
Nitrate as Nitrogen	9056	0.927	1.00	93	90 - 110

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: R0901117
Date Analyzed: 3/12/09

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample			% Rec Limits
		Result	Expected	% Rec	
Iron, Dissolved	6010B	1000	1000	100	80 - 120
Manganese, Dissolved	6010B	484	500	97	80 - 120

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: R0901117
Date Analyzed: 3/10/09

**Lab Control Sample Summary
 Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B

Units: µg/L

Basis: NA

Analysis Lot: 146949

Analyte Name	Lab Control Sample RQ0901835-02			% Rec Limits
	Result	Expected	% Rec	
1,1,1-Trichloroethane (TCA)	18.2	20.0	91	70 - 130
1,1,2,2-Tetrachloroethane	19.9	20.0	100	70 - 130
1,1,2-Trichloroethane	18.2	20.0	91	70 - 130
1,1,2-Trichloro-1,2,2-trifluoroethane	19.2	20.0	96	70 - 130
1,1-Dichloroethane (1,1-DCA)	19.8	20.0	99	70 - 130
1,1-Dichloroethene (1,1-DCE)	18.9	20.0	94	70 - 130
1,2,4-Trichlorobenzene	18.8	20.0	94	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	17.5	20.0	87	50 - 150
1,2-Dibromoethane	17.9	20.0	90	70 - 130
1,2-Dichlorobenzene	18.5	20.0	93	70 - 130
1,2-Dichloroethane	18.1	20.0	91	70 - 130
1,2-Dichloropropane	20.1	20.0	101	70 - 130
1,3-Dichlorobenzene	18.2	20.0	91	70 - 130
1,4-Dichlorobenzene	18.0	20.0	90	70 - 130
2-Butanone (MEK)	21.0	20.0	105	50 - 150
2-Hexanone	19.0	20.0	95	70 - 130
4-Methyl-2-pentanone	19.8	20.0	99	70 - 130
Acetone	22.0	20.0	110	50 - 150
Benzene	19.0	20.0	95	70 - 130
Bromodichloromethane	19.1	20.0	96	70 - 130
Bromoform	16.7	20.0	84	70 - 130
Bromomethane	19.8	20.0	99	50 - 150
Carbon Disulfide	20.6	20.0	103	70 - 130
Carbon Tetrachloride	16.8	20.0	84	70 - 130
Chlorobenzene	17.6	20.0	88	70 - 130
Chloroethane	20.1	20.0	100	70 - 130
Chloroform	19.3	20.0	96	70 - 130
Chloromethane	20.5	20.0	102	70 - 130
Cyclohexane	23.4	20.0	117	50 - 150
Dibromochloromethane	17.7	20.0	89	70 - 130
Dichlorodifluoromethane (CFC 12)	16.1	20.0	80	70 - 130
Dichloromethane	19.2	20.0	96	70 - 130
Ethylbenzene	18.2	20.0	91	70 - 130
Isopropylbenzene (Cumene)	18.7	20.0	93	70 - 130
Methyl Acetate	23.4	20.0	117	50 - 150
Methyl tert-Butyl Ether	19.5	20.0	98	70 - 130
Methylcyclohexane	25.1	20.0	125	50 - 150

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: R0901117
Date Analyzed: 3/10/09

**Lab Control Sample Summary
 Volatile Organic Compounds by GC/MS**

Analytical Method: 8260B

Units: µg/L
Basis: NA

Analysis Lot: 146949

Analyte Name	Lab Control Sample RQ0901835-02			% Rec Limits
	Result	Expected	% Rec	
Styrene	18.5	20.0	92	70 - 130
Tetrachloroethene (PCE)	17.1	20.0	85	70 - 130
Toluene	18.1	20.0	91	70 - 130
Trichloroethene (TCE)	16.9	20.0	84	70 - 130
Trichlorofluoromethane (CFC 11)	17.9	20.0	90	70 - 130
Vinyl Chloride	19.7	20.0	98	70 - 130
cis-1,2-Dichloroethene	19.7	20.0	98	70 - 130
cis-1,3-Dichloropropene	19.1	20.0	96	70 - 130
m,p-Xylenes	37.4	40.0	94	70 - 130
o-Xylene	18.9	20.0	94	70 - 130
trans-1,2-Dichloroethene	18.9	20.0	94	70 - 130
trans-1,3-Dichloropropene	18.4	20.0	92	70 - 130

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: R0901117
Date Analyzed: 3/10/09

**Lab Control Sample Summary
Dissolved Gases by GC/FID**

Analytical Method: RSK 175

Units: µg/L
Basis: NA

Analysis Lot: 145638

Analyte Name	Lab Control Sample RQ0901517-02			% Rec
	Result	Expected	% Rec	Limits
Ethane	120	144	83	50 - 150
Ethene	122	134	91	50 - 150
Methane	70.7	76	93	50 - 150

Comments: _____

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

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

Service Request: R0901117
Date Analyzed: 3/17/09

Lab Control Sample Summary
Organic Acids in Aqueous Matrices by High Performance Liquid Chromatography (HPLC)

Analytical Method: Organic Acids

Units: mg/L
Basis: NA

Analysis Lot: 146477

Analyte Name	Lab Control Sample RQ0901707-02			Duplicate Lab Control Sample RQ0901707-03			% Rec Limits	RPD	RPD Limit
	Result	Expected	% Rec	Result	Expected	% Rec			
Pyruvic Acid	1.16	1.01	115	1.16	1.01	115	50 - 150	0	30
Acetic Acid	9.61	10	96	9.67	10	97	50 - 150	1	30
Butanoic Acid (Butyric Acid)	9.56	10	96	9.10	10	91	50 - 150	5	30
Lactic Acid	9.99	10	100	10.1	10	101	50 - 150	1	30
Propionic Acid	9.78	10	98	9.66	10	97	50 - 150	1	30

Comments: _____

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

SR # _____
CAS Contact _____

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 1 OF 1



Project Name Reisen Markets		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)		PRESERVATIVE		PRESERVATIVE KEY 0. NONE 1. HCL 2. HNO3 3. H2SO4 4. NaOH 5. Zn. Acetate 6. MeOH 7. NaHSO4 8. Other _____	
Project Manager Mike Losakowski		Report CC							
Company Address Benchmark Eng 726 Exchange St suite 624 Buffalo NY 14210		FAX# (716) 856-0583		METALS, TOTAL (List in comments below)		METALS, DISSOLVED (List in comments below)		ALTERNATE DESCRIPTION	
Phone # (716) 856-0599		Sampler's Printed Name Tom Behrendt		PCBS (List in comments below)		PESTICIDES (List in comments below)		REMARKS/	
Sampler's Signature <i>[Signature]</i>		FOR OFFICE USE ONLY		GCMS VOAs (List in comments below)		GCMS SYOAs (List in comments below)		REMARKS/	
CLIENT SAMPLE ID		LAB ID		SAMPLING DATE		SAMPLING TIME		ALTERNATE DESCRIPTION	
MW-215				2/27/09 959		6W		* please	
MW-75				2/27/09 1151		6W		* please	
MW-15R				2/27/09 1313		6W		In Lab	
MW-105				2/27/09 1355		6W			
MW-35R				2/27/09 1649		6W			
SPECIAL INSTRUCTIONS/COMMENTS Metals Sample for Mn & manganese		CUSTODY SEALS: Y N		TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 24 hr 48 hr 5 day <input checked="" type="checkbox"/> STANDARD REQUESTED FAX DATE _____ REQUESTED REPORT DATE _____		REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data V. Specialized Forms / Custom Report Edata Yes No		INVOICE INFORMATION PO# _____ BILL TO: _____ SUBMISSION #: RECEIVED BY: Rogum	
See QAPP <input type="checkbox"/>		RECEIVED BY		RECEIVED BY		RECEIVED BY		RECEIVED BY	
Signature <i>[Signature]</i>		Signature Rachel Jones		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>		Signature <i>[Signature]</i>	
Printed Name Tom Behrendt		Printed Name Rachel Jones		Printed Name Tom Behrendt		Printed Name Tom Behrendt		Printed Name Tom Behrendt	
Firm Benchmark		Firm CAS		Firm CAS		Firm CAS		Firm CAS	
Date/Time 2/27/09		Date/Time 2/27/09 1715		Date/Time 2/27/09 1715		Date/Time 2/27/09 1715		Date/Time 2/27/09 1715	

Cooler Receipt And Preservation Check Form

Project/Client Benchmark Submission Number 709-117

Cooler received on 2/27/09 by: [Signature] COURIER: CAS UPS FEDEX VELOCITY CLIENT

1. Were custody seals on outside of cooler? YES NO
2. Were custody papers properly filled out (ink, signed, etc.)? YES NO
3. Did all bottles arrive in good condition (unbroken)? YES NO
4. Did any VOA vials have significant* air bubbles? YES NO N/A
5. Were Ice or Ice packs present? YES NO
6. Where did the bottles originate? CAS/ROC, CLIENT
7. Temperature of cooler(s) upon receipt: 10°

Is the temperature within 0° - 6° C?: Yes Yes Yes Yes Yes
 If No, Explain Below No No No No No

Date/Time Temperatures Taken: 2/27/09 @ 1720

Thermometer ID: 161 / IR GUN#2 / IR GUN#3 Reading From: Temp Blank / Sample Bottle

If out of Temperature, note packing/ice condition, Client Approval to Run Samples: _____
 PC Secondary Review: [Signature] 2/27/09

Cooler Breakdown: Date: 3/2/09 by: [Signature]

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

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH			WC85218F	10/13				
≤2	HNO ₃	✓		?					
≤2	H ₂ SO ₄			WC852400	1/10				
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	Na ₂ S ₂ O ₃	-	-						
	Zn Aceta	-	-	WC85211B	9/09				
	HCl	*	*	ASDA11	1/10				

Yes = All samples OK
 No = Samples were preserved at lab as listed
 PM OK to Adjust: _____

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

Bottle lot numbers: 012609-2D, 055075, 8-330-000, 9-294-002
 Other Comments: _____

- ice on top: bottles also at 10°C

Phosphonic acid added to the Metabolic Acid lot WC85242B

PC Secondary Review: [Signature] 3/10/09 *significant air bubbles are greater than 5-6 mm

LABORATORY REPORT

March 12, 2009

Michael Lesakowski
Benchmark Environmental Engineering
726 Exchange Street Suite 624
Buffalo, NY 14210

RE: Seneca Market

Dear Michael:

Enclosed are the results of the samples submitted to our laboratory on February 27, 2009. For your reference, these analyses have been assigned our service request number R0901117.

All analyses were performed in accordance with our laboratory's quality assurance program. Results are intended to be considered in their entirety and apply only to the samples analyzed and reported herein. Your report contains _____ pages.

Columbia Analytical Services, Inc. is certified by the California Department of Health Services, NELAP Laboratory Certificate No. 02115CA; Arizona Department of Health Services, Certificate No. AZ0694; Florida Department of Health, NELAP Certification E871020; New Jersey Department of Environmental Protection, NELAP Laboratory Certification ID #CA009; New York State Department of Health, NELAP NY Lab ID No: 11221; Oregon Environmental Laboratory Accreditation Program, NELAP ID: CA20007; The American Industrial Hygiene Association, Laboratory #101661; Department of the Navy (NFESC); Pennsylvania Registration No. 68-03307. Each of the certifications listed above have an explicit Scope of Accreditation that applies to specific matrices/methods/analytes; therefore, please contact me for information corresponding to a particular certification.

If you have any questions, please call me at (805) 526-7161.

Respectfully submitted,

Columbia Analytical Services, Inc.



Kate Aguilera
Project Manager

Client: Benchmark Environmental Engineering
Project: Seneca Market

CAS Project No: R0901117
New York Lab ID: 11221

CASE NARRATIVE

The samples were received intact under chain of custody on February 27, 2009 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Carbon Dioxide Analysis

The samples were analyzed for carbon dioxide using a gas chromatograph equipped with a thermal conductivity detector (TCD). A known amount of liquid was displaced by injecting 8.0 milliliters of helium creating a headspace in the sample vial. Each sample vial was agitated using a sonic disrupter for fifteen minutes and then allowed to equilibrate for at least four hours. A volume of the headspace was withdrawn using a gas-tight syringe and analyzed using a manual injection technique. The amount of dissolved gas (carbon dioxide) in the original sample was calculated using Henry's Law. This method was performed with guidance from RSK 175.

The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.

Intra-Network Chain of Custody

1 Mustard Street, Suite 250 • Rochester, NY 14609 • 585-288-5380 • FAX 585-288-8475

CAS Contact: Janice Jaeger

Project Name: Seneca Market
 Project Number:
 Project Manager: Michael Lesakowski
 Company: Benchmark Environmental Engineering

CO2
 RSK 175

Lab Code	Client Sample ID	# of Cont.	Matrix	Sample		Date Received	Send To
				Date	Time		
R0901117-005	MW-3SR		Water	2/27/09	1044	2/27/09	SIMIVALLEY
							II

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 <input checked="" type="checkbox"/> STANDARD Requested FAX Date: _____ Requested Report Date: 03/15/09	<input type="checkbox"/> I. Results Only <input checked="" type="checkbox"/> II. Results + QC Summaries <input type="checkbox"/> III. Results + QC and Calibration Summaries <input type="checkbox"/> IV. Data Validation Report with Raw Data PQL/MDL/J <u> N </u> EDD <u> N </u>	PO# R0901117 Bill to

Relinquished By: Holly Pursant 5/2/09
 Received By: Janice Jaeger 3/3/09
 Airbill Number: 165

Columbia Analytical Services, Inc.
Sample Acceptance Check Form

Client: Benchmark Environmental Engineering

Work order: R0901117

Project: Seneca Market

Sample(s) received on: 3/3/09

Date opened: 3/3/09

by: LKUKITA

Note: This form is used for all samples received by CAS. The use of this form for custody seals is strictly meant to indicate presence/absence and not as an indication of compliance or nonconformity. Thermal preservation and pH will only be evaluated either at the request of the client and/or as required by the method/SOP.

- | | Yes | No | N/A |
|--|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Were sample containers properly marked with client sample ID? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2 Container(s) supplied by CAS ? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3 Did sample containers arrive in good condition? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4 Was a chain-of-custody provided? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5 Was the chain-of-custody properly completed? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6 Did sample container labels and/or tags agree with custody papers? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7 Was sample volume received adequate for analysis? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8 Are samples within specified holding times? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9 Was proper temperature (thermal preservation) of cooler at receipt adhered to? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cooler Temperature <u>3</u> °C Blank Temperature _____ °C | | | |
| 10 Was a trip blank received? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Trip blank supplied by CAS: _____ | | | |
| 11 Were custody seals on outside of cooler/Box? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were custody seals on outside of sample container? | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Location of seal(s)? _____ Sealing Lid? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were signature and date included? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were seals intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12 Do containers have appropriate preservation , according to method/SOP or Client specified information? | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Is there a client indication that the submitted samples are pH preserved? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Were VOA vials checked for presence/absence of air bubbles? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Does the client/method/SOP require that the analyst check the sample pH and <u>if necessary</u> alter it? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 13 Tubes: Are the tubes capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Do they contain moisture? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14 Badges: Are the badges properly capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Are dual bed badges separated and individually capped and intact? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Lab Sample ID	Container Description	Required pH*	Received pH	Adjusted pH	VOA Headspace (Presence/Absence)	Receipt / Preservation Comments
R0901117-005.08	500ml Plastic NP		6			

Explain any discrepancies: (include lab sample ID numbers): _____

*Required pH: Phenols/COD/NH3/TOC/TOX/NO3+NO2/TKN/T.PHOS, H2SO4 (pH<2); Metals, HNO3 (pH<2); CN (NaOH or NaOH/Asc Acid) (pH>12);

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RESULTS OF ANALYSIS

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Client: **Benchmark Environmental Engineering**
Client Project ID: **Seneca Market**

CAS Project ID: R0901117

Carbon Dioxide

Test Code: RSK 175
Instrument ID: HP5890A/GC10/TCD
Analyst: Wade Henton
Matrix: Water
Test Notes:

Date(s) Collected: 2/27/09
Date Received: 2/27/09
Date Analyzed: 3/9/09

Client Sample ID	CAS Sample ID	Injection Volume ml(s)	Result µg/L	MRL µg/L	Data Qualifier
MW-3SR	R0901117-005	0.10	63,000	1,000	
Method Control Sample	P090309-MB	0.10	ND	1,000	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.

MRL = Method Reporting Limit - The minimum quantity of a target analyte that can be confidently determined by the referenced method.

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LABORATORY CONTROL SAMPLE / DUPLICATE LABORATORY CONTROL SAMPLE SUMMARY

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Client: Benchmark Environmental Engineering
Client Sample ID: Duplicate Lab Control Sample
Client Project ID: Seneca Market

CAS Project ID: R0901117
 CAS Sample ID: P090309-DLCS

Test Code: RSK 175
Instrument ID: HP5890A/GC10/TCD
Analyst: Wade Henton
Matrix: Water
Test Notes:

Date Collected: NA
 Date Received: NA
 Date Analyzed: 3/09/09
 Volume(s) Analyzed: NA ml(s)

CAS #	Compound	Spike Amount LCS / DLCS ug/L	Result,		% Recovery		CAS		RPD	RPD	Data Qualifier
			LCS	DLCS	LCS	DLCS	Acceptance Limits	RPD Limit			
124-38-9	Carbon Dioxide	22,900	19,900	21,800	87	95	50-150	9	30		

⊖ = The concentration shown includes a subtraction of the Method Control Sample value, even if the result is less than the MRL.

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LABORATORY DUPLICATE SUMMARY RESULTS

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Client: **Benchmark Environmental Engineering**
 Client Sample ID: **MW-3SR**
 Client Project ID: **Seneca Market**

CAS Project ID: R0901117
 CAS Sample ID: R0901117-005DUP

Test Code: RSK 175
 Instrument ID: HP5890A/GC10/TCD
 Analyst: Wade Henton
 Matrix: Water
 Test Notes:

Date Collected: 2/27/09
 Date Received: 2/27/09
 Date Analyzed: 3/9/09
 Volume(s) Analyzed: 0.10 ml(s)

CAS #	Compound	Sample Result ug/L	Duplicate Sample Result ug/L	Average	% RPD	RPD Limit	Data Qualifier
124-38-9	Carbon Dioxide	63,400	67,500	65450	6	30	

ND = Compound was analyzed for, but not detected above the laboratory detection limit.