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DATE January 7, 2005

TO: Don Bussey, U. S. EPA/ERT Work Assignment Manager

THROUGH: Parry Bhambra, REAC Operations Section Leader PBhambra

FROM: Ken Woodruff, REAC Task Leader KW.

SUBJECT: MONITOR WELL SAMPLING, WESTBAY MULTI-LEVEL INSTALLATIONS, CAYUGA COUNTY, NEW YORK WORK ASSIGNMENT # EAC00024, TRIP REPORT - OCTOBER AND DECEMBER 2004 SAMPLING EVENTS

PURPOSE

Under this Work Assignment (WA), a second quarterly ground-water sampling event and a limited third quarterly event were conducted at the Cayuga County-Westbay Multi-Level Installation site during October 2004 and December 2004 respectively. Personnel of the Response Engineering and Analytical Contract (REAC) assisted staff of the Environmental Protection Agency/Response Team (EPA/ERT) and the United States Geological Survey (USGS) Water Resources Division in completing the sampling.

BACKGROUND

The site is located southwest of Auburn, New York (NY) and consists of approximately 2.5 square miles of agricultural to light residential land underlain by sedimentary rocks of Silurian and Devonian age. Lithologies represented include carbonates shales, siltstones, sandstones, and evaporates that are generally overlain by glacial till. Previous work under the direction of the New York state Department of Environmental Conservation (NYSDEC) indicated the presence of a groundwater contamination plume that extends from just west of Auburn, NY approximately eight miles southwesterly to near Union Springs, NY. The plume consists mainly of the volatile organic compounds (VOCs) trichloroethylene (TCE) and cis-1,2,-dichloroethene (cis-1,2-DCE). Under the previous REAC contract, ten groundwater monitor wells were installed at various locations within the site to depths of 187 to 250 feet below ground surface (bgs) and equipped with Westbay Instruments™ multi-level sampling systems. An additional monitor well (EPA-11) could not be used because of partial borehole collapse. Two abandoned residential wells were also equipped with the Westbay systems and are part of the site monitor well network. The use of the Westbay systems is based on recommendations resulting from a hydrologic framework study of the site by the USGS through an interagency agreement with EPA/ERT. The first quarterly sampling of the monitor wells was completed in July 2004 and is discussed in a Lockheed Martin/REAC September 13, 2004 Trip Report.

ACTIVITIES AND OBSERVATIONS

During October 5 through October 14, 2004, groundwater samples were collected from the Westbay systems in monitor wells EPA-1 through EPA-10 and in the two residential monitor wells CY204 and CY205. On December 15 and December 16, groundwater samples were collected from monitor wells EPA-1, 2, 5, and 9. The wells sampled in December included only those in which detectable levels of VOCs were expected. The December sampling was limited in scope because of operational constraints on the sampling tool imposed by

below freezing temperatures. Prior to each sampling event, USGS personnel, with occasional assistance from REAC staff, measured pressure head values in the depth zones isolated by each monitor well. These values were then converted to water-level elevations. Water-level data through November 2004 are provided in Appendix A.

The Westbay sampling systems at the Cayuga County site isolate up to eight depth zones in each monitor well (Table 1) by a series of hydraulic packers placed at various intervals within a two-inch diameter PVC casing string. A groundwater sampling port is positioned between each set of packers and is accessed for groundwater level measurements and for sampling by a Westbay sampling tool. A cable and winch assembly connects the tool to the surface electronics that control its operation. Groundwater samples are collected in a stainless steel 250-milliliter (mL) container that is attached to the bottom of the sampling tool. Before sampling, the container is partially evacuated of ambient air to allow formation water to flow into the tool under formation pressure once it is seated in the sampling port and a sampling valve is opened. A more detailed discussion of the sampling tool is given in the September 2004 Lockheed Martin/REAC Trip Report.

Before each groundwater sample was collected, the sampling tool and container were rinsed with dioinized water. A rinsate blank was collected each day and duplicate samples and samples for matrix spike (MS) and matrix spike duplicates (MSD) were collected for 10 percent of the total field samples. Samples were sent on ice, under chain-of-custody procedures, to the REAC Laboratory in Edison, New Jersey (NJ) for analysis of VOCs. All sampling information was entered into a Scribe data base. The data base for the October event was later submitted to the REAC (Analytical Group) for inclusion of the final analytical results.

During the October sampling, the sampling tool malfunctioned and would not hold a vacuum on the sampling system. Sampling was continued with a replacement tool. Subsequent inspection by Westbay Instruments of the initial tool found that calcium deposits had apparently prevented a critical valve from sealing properly. The deposits also interfered with the drive mechanism that controls the various tool functions. Groundwater with high calcium concentrations probably occurs mainly in the Forge Hollow Member (D3 zone) of the Bertie Formation. Procedures that would minimize calcium build-up but not damage the tool are presently being investigated by USGS personnel.

RESULTS

During one or both sampling events, detectable concentrations of VOCs were found in groundwater samples from monitor wells EPA-1, EPA-2, EPA-5, EPA-9, and domestic wells CY204 and CY205. Table 2 provides the results from all three sampling events completed to date. Only wells or zones where detectable levels of VOCs were found are listed. The complete analytical results for the October 2004 and the December 2004 events are found in Appendices B and C respectively. The results for December 2004 are preliminary only; the validated analytical report will be issued under separate cover.

The highest concentrations of VOCs occur in the D3 zone (Forge Hollow Member of the Bertie Formation) of Monitor Well EPA-1. Results from all events are generally consistent except for the concentrations of cis-1,2-DCE in Monitor Well EPA-2 found during the July 2004 sampling. These values appear to differ significantly from the October and December sampling events.

ADDITIONAL WORK

The next sampling event is scheduled for the spring of 2005.

REFERENCES

Lockheed Martin/REAC. 2004. Monitor Well Sampling - Westbay Multi-Level Installations, Cayuga County, New York., Work Assignment #EAC00024 - Trip Report.

Tables

TABLE 1
HYDROLOGIC ZONE DESIGNATIONS
CAYUGA COUNTY WESTBAY SAMPLING SITE
CAYUGA COUNTY, NEW YORK

Well No.	Zone	Geologic Unit
EPA-1	S2	Middle Onondaga
	S3	Lower Onondaga
	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-2	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-3	I1	Upper Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-4	S1	Marcellus
	S2	Upper Onondaga
	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-5	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-6	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-7	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-8	S1	Marcellus
	S2	Upper Onondaga
	I1	Upper Manlius
	I2	Lower Manlius
	D1-A	Upper Rondout
	D1-B	Lower Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-9	I1	Upper Manlius
	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
EPA-10	S3	Lower Onondaga
	I1	Upper Manlius
	I2	Lower Manlius
	D1	Rondout
	D2	Cobleskill
	D3	Forge Hollow (gypsum unit)
CY204	S1	Marcellus
	I2	Lower Manlius
	D1-A	Upper Rondout
	D1-B	Lower Rondout
CY205	I2-A	Upper Manlius
	I2-B	Lower Manlius
	D1-A	Lower Manlius/Upper Rondout
	D1-B	Middle Rondout

S = shallow zone D = deep zone
I = intermediate zone

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TABLE 2
GROUNDWATER ANALYTICAL RESULTS
CAYUGA COUNTY WESTBAY SAMPLING SITE
CAYUGA COUNTY, NEW YORK

Well No and Zone	Vinyl Chloride			trans-1,2-DCE			cis-1,2-DCE			TCE		
	concentration - micrograms/liter											
	7/4	10/4	12/04*	7/4	10/4	12/04*	7/04	10/04	12/04*	7/04	10/04	12/04*
EPA-1 (D3)	94	94	120	23	17	ND	1,700	1,200	1,000	1.1	ND	ND
EPA-1 (D2)	1.9	ND	ND	ND	ND	ND	10	9.1	8.2	ND	ND	ND
EPA-1 (D1)	ND	ND	ND	ND	ND	ND	3.6	4.7	5	ND	ND	ND
EPA-1 (I2)	dry	ND	ND	dry	ND	ND	dry	1.6	3.3	dry	ND	ND
EPA-2 (D3)	ND	2.6	ND	2.4	7.1	ND	140	420	340	8.7	17	6.7
EPA-2 (D2)	ND	4.8	3.4	ND	3.8	3.4	22	210	220	1.4	5.4	5.1
EPA-2 (D1)	ND	1.1	ND	ND	3.2	ND	51	250	280	2.6	6.1	8.6
EPA-2 (I2)	6.3	ND	ND	8.1	3.4	5.1	640	190	530	41	32	24
EPA-5 (I2)	dry	ND	1.9	dry	ND	ND	dry	2.5	ND	dry	ND	ND
EPA-5 (I1)	dry	ND	NS	dry	ND	NS	dry	1.8	NS	dry	ND	ND
EPA-9 (D2)	ND	ND	ND	ND	ND	ND	2.5	3.2	2.3	ND	ND	ND
CY205 (PPD1-B)	ND	ND	NS	4.3	5.9	NS	350	330	NS	22	26	NS
CY205 (D1-A)	ND	ND	NS	6.4	7	NS	560	490	NS	36	33	NS
CY205 (I2-B)	ND	ND	NS	5.7	5.8	NS	490	520	NS	31	34	NS
CY205 (I2-A)	dry	ND	NS	dry	2.1	NS	dry	190	NS	dry	9.5	NS
CY204 (PPD1-B)	ND	ND	NS	7.2	5.3	NS	450	310	NS	36	23	NS
CY204 (D1-A)	ND	ND	NS	4.9	ND	NS	390	410	NS	23	16	NS
CY204 (I2)	ND	ND	NS	5.7	7.7	NS	490	450	NS	28	32	NS
CY204 (S1)	ND	ND	NS	ND	ND	NS	2.0	ND	NS	ND	ND	NS

* Preliminary analytical results only

ND = non-detect NS = not sampled PP = pumping port

Note : Depth zones in each well are arranged in order of sampling from deep to shallow.

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Appendix A

APPENDIX A

CALCULATED WATER LEVELS

CAYUGA COUNTY WESTBAY SAMPLING SITE

TRIP REPORT

JANUARY 2005

Summary of Monthly Water-Level Elevations at Cayuga County Well Sites (NAVD1988 datum)

Well	Zone	TOC elev (ft)	Port depth (ft)	Port elev (ft)	June 8-9 2004	July 5-6 2004	Aug 9-10 2004	Sept 20-21 2004	Oct 4-5 2004	Nov 9-10 2004
EPA-1	D3	660.45	177.8	482.7	574.8	562.0	571.9	588.4	571.9	564.6
	D2	660.45	148.8	511.7	574.0	561.3	570.8	587.5	571.3	564.1
	D1	660.45	122.8	537.7	575.4	562.5	572.0	588.2	572.5	565.2
	I2	660.45	94.8	565.7	577.3	DRY	573.1	586.9	573.9	565.9
	I1	660.45	78.8	581.7	DRY	DRY	DRY	585.2	DRY	DRY
	S3	660.45	41.8	618.7	638.5	637.4	638.8	639.0	637.4	636.8
	S2	660.45	22.8	637.7	641.8	640.7	641.7	642.6	641.4	641.2
	S1	660.45	12.8	647.7	643.2	642.8	643.3	644.1	DRY	642.8
EPA-2	D3	660.43	191.2	469.2	575.4	563.1	572.3	590.5	572.8	566.2
	D2	660.43	163.2	497.2	575.6	563.2	572.5	590.6	573.0	566.4
	D1	660.43	136.2	524.2	575.7	563.2	572.5	590.7	573.0	566.5
	I2	660.43	111.2	549.2	575.6	563.1	572.4	590.5	572.9	566.4
	I1	660.43	87.2	573.2	575.5	DRY	DRY	590.6	DRY	DRY
	S3	660.43	60.2	600.2	DRY	DRY	DRY	DRY	DRY	DRY
	S2	660.43	29.2	631.2	DRY	DRY	DRY	DRY	DRY	DRY
	S1	660.43	19.2	641.2	636.8	636.8	636.8	DRY	DRY	DRY
EPA-3	D3	671.13	185.4	485.7	575.0	561.4	571.3	586.2	571.3	563.3
	D2	671.13	158.4	512.7	578.3	563.7	575.4	586.2	574.8	564.3
	D1	671.13	131.4	539.7	578.3	563.6	575.3	586.1	574.6	564.2
	I2	671.13	105.4	565.7	578.9	DRY	576.1	586.0	575.4	566.1
	I1	671.13	90.4	580.7	590.3	587.9	595.3	601.8	598.3	590.1
	S3	671.13	53.4	617.7	DRY	DRY	DRY	DRY	DRY	DRY
	S2	671.13	20.4	650.7	651.5	DRY	DRY	652.5	DRY	651.9
	S1	671.13	10.4	660.7	DRY	DRY	DRY	DRY	DRY	DRY

Summary of Monthly Water-Level Elevations at Cayuga County Well Sites (cont'd)

EPA-4	D4	672.73	204.1	468.6	574.0	567.5	567.5	567.7	566.5	564.1
	D3	672.73	194.1	478.6	575.1	561.9	570.1	585.5	570.7	563.5
	D2	672.73	165.1	507.6	575.1	561.9	570.1	585.6	570.7	563.6
	D1	672.73	147.1	525.6	575.0	561.7	570.0	585.4	570.5	563.3
	I2	672.73	122.1	550.6	575.4	561.9	570.5	585.8	570.9	563.7
	I1	672.73	100.1	572.6	578.0	DRY	573.0	585.9	573.1	DRY
	S3	672.73	62.1	610.6	DRY	DRY	DRY	613.4	DRY	DRY
	S2	672.73	27.1	645.6	646.1	646.6	646.0	DRY	DRY	DRY
	S1	672.73	17.1	655.6	661.0	663.3	664.0	664.7	664.3	664.8
EPA-5	D4	677.75	198.9	478.9	565.6	562.7	561.5	560.8	560.7	558.6
	D3	677.75	187.9	489.9	574.7	560.8	570.7	586.0	570.9	563.2
	D2	677.75	156.9	520.9	577.4	562.4	574.0	586.1	573.6	563.9
	D1	677.75	132.9	544.9	577.3	562.3	573.9	586.0	573.5	563.8
	I2	677.75	110.9	566.9	578.3	DRY	575.0	585.7	573.4	DRY
	I1	677.75	100.9	576.9	580.4	DRY	576.0	578.9	579.5	572.0
EPA-6	D3	721.18	239.8	481.4	576.2	563.1	573.5	584.1	572.6	563.0
	D2	721.18	217.8	503.4	576.3	563.2	573.5	584.0	572.7	563.1
	D1	721.18	190.8	530.4	576.4	563.3	573.7	584.1	572.8	563.1
	I2	721.18	165.8	555.4	576.7	564.5	574.0	583.6	573.2	563.6
	I1	721.18	151.8	569.4	576.6	DRY	574.3	583.0	573.7	DRY
	S3	721.18	114.8	606.4	DRY	DRY	DRY	DRY	DRY	606.7
	S2	721.18	77.8	643.4	643.8	643.9	644.0	644.0	644.0	644.3
	S1	721.18	67.8	653.4	652.9	652.8	652.5	652.5	652.3	652.7

Summary of Monthly Water-Level Elevations at Cayuga County Well Sites (cont'd)

EPA-7	D3	692.38	231.2	461.2	573.3	560.2	568.5	581.3	569.0	561.2
	D2	692.38	212.2	480.2	574.3	562.3	569.7	582.6	570.1	563.1
	D1	692.38	190.2	502.2	573.0	560.1	568.3	581.4	568.8	561.3
	I2	692.38	163.2	529.2	572.9	560.1	568.3	581.3	568.8	561.3
	I1	692.38	141.2	551.2	575.8	564.3	571.2	581.7	572.0	563.7
	S3	692.38	103.2	589.2	DRY	DRY	DRY	DRY	DRY	DRY
	S2	692.38	71.2	621.2	DRY	DRY	DRY	DRY	DRY	DRY
	S1	692.38	61.2	631.2	635.5	635.5	637.7	638.0	637.1	638.2
EPA-8	D3	680.12	228.1	452.0	575.4	562.8	570.6	586.2	571.4	564.5
	D2	680.12	208.1	472.0	575.0	562.2	570.2	585.6	570.9	564.0
	D1-b	680.12	194.1	486.0	575.0	562.2	570.2	585.6	571.0	564.0
	D1-a	680.12	182.1	498.0	575.0	562.2	570.2	585.6	571.0	564.0
	I2	680.12	148.1	532.0	576.9	564.1	571.8	587.3	572.5	565.7
	I1	680.12	126.1	554.0	577.2	564.5	572.1	587.6	572.8	566.1
	S3	680.12	94.1	586.0	DRY	DRY	DRY	589.5	DRY	DRY
	S2	680.12	50.1	630.0	633.2	633.0	633.3	634.1	633.6	633.3
	S1	680.12	40.1	640.0	664.1	662.9	663.8	662.5	663.7	664.0
EPA-9	D4	664.15	190.5	473.7	574.7	563.4	568.3	585.1	572.0	562.0
	D3	664.15	180.5	483.7	574.2	560.4	570.0	585.5	570.5	562.9
	D2	664.15	152.5	511.7	574.0	560.2	569.8	585.2	570.3	562.7
	D1	664.15	129.5	534.7	573.9	560.1	569.7	585.1	570.2	562.7
	I2	664.15	111.5	552.7	574.0	560.1	569.7	585.3	570.2	562.7
	I1	664.15	101.5	562.7	564.4	566.2	568.7	572.3	573.6	573.5

Summary of Monthly Water-Level Elevations at Cayuga County Well Sites (cont'd)

EPA-10	D3	704.57	252.7	451.9	572.0	559.6	567.4	580.5	568.2	560.6
	D2	704.57	218.7	485.9	571.6	559.2	566.9	579.6	567.7	560.0
	D1	704.57	198.7	505.9	571.6	559.2	566.9	579.5	567.7	560.0
	I2	704.57	173.7	530.9	574.7	562.2	569.7	581.5	570.4	562.8
	I1	704.57	151.7	552.9	574.8	562.2	569.7	581.5	570.5	562.8
	S3	704.57	141.7	562.9	608.1	616.1	627.5	640.0	643.1	646.5
EPA-11	I1-D3	713.96			565.4	554.1	561.6	570.1	562.2	553.6
Cy-204	D1-b	738.77	217.7	521.1	565.6	554.0	562.0	570.6	563.1	554.0
	D1-a	738.77	205.7	533.1	565.5	554.0	562.0	570.7	563.1	553.9
	I2	738.77	188.7	550.1	565.5	554.0	562.0	570.7	563.1	553.9
	I1	738.77	171.7	567.1	DRY	DRY	DRY	570.6	DRY	DRY
	S3	738.77	129.7	609.1	DRY	DRY	DRY	DRY	DRY	DRY
	S2	738.77	89.7	649.1	649.5	DRY	DRY	DRY	DRY	DRY
	S1	738.77	79.7	659.1	681.8	681.3	681.5	683.7	681.8	681.9
Cy-205	D1-b	720.76	219.3	501.5	564.2	552.4	561.0	569.7	561.6	552.3
	D1-a	720.76	201.3	519.5	564.1	552.3	560.9	569.7	561.7	552.2
	I2-b	720.76	184.3	536.5	564.1	552.3	561.0	569.7	561.7	552.2
	I2-a	720.76	167.3	553.5	564.1	DRY	561.0	569.7	561.7	DRY
	I1	720.76	143.3	577.5	DRY	DRY	DRY	DRY	DRY	DRY
	S3	720.76	102.3	618.5	DRY	DRY	DRY	DRY	DRY	DRY
	S2	720.76	60.3	660.5	DRY	DRY	DRY	DRY	DRY	DRY
	S1	720.76	50.3	670.5	667.5	668.8	670.5	672.4	673.1	674.6

Summary of Monthly Water-Level Elevations at Cayuga County Well Sites (cont'd)

Cy-206	S1-D3	692.11	560.7	549.3	557.9	565.8	558.4	548.3
Cy-215	S1-I1	724.36	--	--	--	--	563.0	554.0

Note: Water-level elevations that fall below the measurement-port elevation in some upper-most zones were measured by direct tapedown to the water level in the annular space between the outside of the Westbay access tube and inside the steel casing (above top packer).
DRY: Water-level elevation is below measurement port elevation, or zone is dry

Appendix B

APPENDIX B

FINAL ANALYTICAL RESULTS FOR OCTOBER 2004 SAMPLING EVENT

CAYUGA COUNTY WESTBAY SAMPLING SITE

TRIP REPORT

JANUARY 2005

ANALYTICAL REPORT

Prepared by
LOCKHEED MARTIN, Inc.

Cayuga County Westbay
Cayuga County, NY

December 2004

EPA Work Assignment No. 0-024
LOCKHEED MARTIN Work Order EAC00024
EPA Contract No. EP-C-04-032

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Appendix will be furnished on request.

Introduction

REAC in response to WA 0-024, provided analytical support for environmental samples collected from Cayuga County Westbay, located in Cayuga County, NY as described in the following table. The support also included QA/QC, data review, and preparation of an analytical report containing a summary of the analytical methods, the results, and the QA/QC results.

The samples were treated with procedures consistent with those specified in SOP #1008.

COC #	Number of Samples	Sampling Date	Date Received	Matrix	Analysis	Laboratory	Data Package
0-024-0011	11	10/09/2004	10/12/2004	Water	VOC	REAC	N 315
0-024-0012	21	10/12/2004	10/14/2004				
0-024-0013	21	10/13/2004	10/15/2004				
0-024-0014	19	10/14/2004	10/15/2004				

Case Narrative

The data in this report have been validated to two significant figures. Any other representation of the data is the responsibility of the user. All data validation flags have been inserted into the results tables.

VOC in Water Package N 315

Samples 10203 and 10249 were not received at the laboratory for analysis. No results are available for these samples.

The trip blank sample 10227 contained acetone (1.2ug/L), chloroform (9.9ug/L), bromodichloromethane (3.9ug/L) and dibromochloromethane (1.1ug/L). Sample 10228 is considered non-detect for acetone, chloroform and bromodichloromethane.

The trip blank sample 0-024-0161 contained acetone (1.4ug/L), chloroform (7.1ug/L), and bromodichloromethane (2.9ug/L). Sample 27024 is considered non-detect for acetone, chloroform and bromodichloromethane. Samples 10223 and 10234 are considered non-detect for acetone.

The trip blank sample 0-024-216 contained acetone (2.2ug/L), chloroform (7.9ug/L), bromodichloromethane (4.0ug/L),and dibromochloromethane (1.3ug/L). Sample 0-024-0199 is considered non-detect for acetone, chloroform and bromodichloromethane.

The trip blank sample 27029 contained chloroform (9.3ug/L), bromodichloromethane (4.3ug/L), and dibromochloromethane (1.3ug/L). Sample 10290 is considered non-detect for chloroform and bromodichloromethane.

The rinsate blank sample 10228 contained 2-butanone (1.8ug/L). Data not affected, compound was not detected in the associated samples.

The rinsate blank sample 27024 contained 2-butanone (3.0ug/L). Data not affected, compound was not detected in the associated samples.

The rinsate blank sample 10290 contained acetone (2.0ug/L). Data not affected, compound was not detected in the associated samples or was >10x the blank contamination.

The rinsate blank sample 0-024-0199 contained 2-butanone (2.7ug/L). Data not affected, compound was not detected in the associated samples

In the initial calibration (B instrument) the average response factor (RF) was not met by 1,2-dibromo-3-chloropropane (0.049). The 1,2-dibromo-3-chloropropane results are rejected for the following samples: water blank 101304-1, 10227, 10228, 10194,10195, 10196, 10197, 10198, 10199, 10200, 10201, 10225, water blank 101404-2, 0-024-0161, 27024, 10202, 10214, 10215, 10216, 10217, 10218, 10219, 10220, 10222, water blank 101504-1, 10221, 10223, 10234, 10235, 10236, 10237, 10238, 10239, 10243, 10244, water blank 101804-1, 10280, 10281, 10290, 10291, 10292, 10302, and 10303.

The acceptable QC limits were exceeded for the relative response factor for 1,2-dibromo-3-chloropropane (0.045)in the continuing calibration check standard (BV9445). This compound was previously qualified as rejected for the associated samples by the initial calibration non-conformance.

The acceptable QC limits were exceeded for the relative response factor for 1,2-dibromo-3-chloropropane (0.047)in the continuing calibration check standard (BV9467). This compound was previously qualified as rejected for the associated samples by the initial calibration non-conformance.

The acceptable QC limits were exceeded for the relative response factor for 1,2-dibromo-3-chloropropane (0.047)in the continuing calibration check standard (BV9508). This compound was previously qualified as rejected for the associated samples by the initial calibration non-conformance.

The acceptable QC limits were exceeded for the percent difference for vinyl chloride (38%) in the continuing calibration check standard of 10/13/04. This analyte was not detected in the associated samples. The data are not affected.

The acceptable QC limits were exceeded for the percent difference for vinyl chloride (64%) in the continuing calibration check standard of 10/14/04. Vinyl chloride is estimated for samples: water blank 101404-2, 0-024-0161, 27024, 10202, 10214, 10215, 10216, 10217, 10218, 10219, 10220, and 10222.

The acceptable QC limits were exceeded for the percent difference for vinyl chloride (68%) in the continuing calibration check standard of 10/15/04. Vinyl chloride is estimated for samples: water blank 101504-1,10221, 10223, 10234, 10235, 10236, 10237, 10238, 10239, 10243, and 10244.

The acceptable QC limits were exceeded for the percent difference for vinyl chloride (73%) and trichlorofluoromethane (55%) in the continuing calibration check standard of 10/18/04 (BV9508). Vinyl chloride and trichlorofluoromethane are estimated for samples: water blank 101804-1,10280, 10281, 10290, 10291, 10292, 10302 and 10303.

The acceptable QC limits were exceeded for the percent difference for acetone (49%) in the continuing calibration check standard of 10/16/04. This analyte was not detected in the associated samples. The data are not affected.

The acceptable QC limits were exceeded for the percent difference for dichlorodifluoromethane (30%), 2-butanone (27%),and 1,1, 2, 2-tetrachloroethane (26%) in the continuing calibration check standard of 10/18/04 (AV9029). These analytes were not detected in the associated samples. The data are not affected.

The acceptable QC limits were exceeded for the percent difference for dichlorodifluoromethane (36%) and acetone (48%) in the continuing calibration check standard of 10/19/04. Acetone is estimated in sample 10313.

Summary of Abbreviations

AA	Atomic Absorption
B	The analyte was found in the blank
BFB	Bromofluorobenzene
C	Centigrade
cont.	Continued
D	(Surrogate Table) this value is from a diluted sample and was not calculated (Result Table) this result was obtained from a diluted sample
Dioxin and/or PCDD and PCDF	denotes Polychlorinated Dibenzo-p-dioxins and Polychlorinated Dibenzofurans
CLP	Contract Laboratory Protocol
COC	Chain of Custody
CONC	Concentration
CRDL	Contract Required Detection Limit
CRQL	Contract Required Quantitation Limit
DFTPP	Decafluorotriphenylphosphine
DL	Detection Limit
E	The value is greater than the highest linear standard and is estimated
EMPC	Estimated maximum possible concentration
ICAP	Inductively Coupled Argon Plasma
ISTD	Internal Standard
J	The value is below the method detection limit and is estimated
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MDL	Method Detection Limit
MI	Matrix Interference
MS (BS)	Matrix Spike (Blank Spike)
MSD (BSD)	Matrix Spike Duplicate (Blank Spike Duplicate)
MW	Molecular Weight
NA	either Not Applicable or Not Available
NC	Not Calculated
NR	Not Requested
NS	Not Spiked
% D	Percent Difference
% REC	Percent Recovery
PPB	Parts per billion
PPBV	Parts per billion by volume
PPMV	Parts per million by volume
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
QL	Quantitation Limit
R	The datum is rejected
RPD	Relative Percent Difference
RSD	Relative Standard Deviation
SIM	Selected Ion Monitoring
TCLP	Toxicity Characteristic Leaching Procedure
TIC	Tentatively Identified Compound
U	Denotes not detected
W	Weathered analyte; Aroclor pattern displays a degradation of earlier eluting peaks

m^3	cubic meter	kg	kilogram	µg	microgram
L	liter	g	gram	pg	picogram
mL	milliliter	mg	milligram	ng	nanogram
µL	microliter				

*	denotes a value that exceeds the acceptable QC limit
	Abbreviations that are specific to a particular table are explained in footnotes on that table

Revision 11/18/04

Analytical Procedure for VOC in Water

A modified 524.2 method for the analysis of Volatile Organic Compounds in water was used. Samples were purged, trapped, and desorbed to a GC/MS system. Prior to purging, the samples were spiked with a three component surrogate mixture consisting of toluene-d_8, 4-bromofluorobenzene and 1,2-dichloroethane-d_4 and a three component internal standard mixture consisting of bromochloromethane, 1,4-difluorobenzene, and chlorobenzene-d_5.

The purge and trap unit consisted of: A Tekmar concentrator (3000 series) equipped with an Archon autosampler (Dynateck Corp.) and a VOCARB 3000 trap (Supelco).

The purge and trap instrument conditions were:

Purge	10 min at 35° C
Dry Purge	2 min at 35° C
Desorb Preheat	245° C
Desorb	4 min at 250° C
Purge Flow Rate	40 mL/min
Bake	10 min at 260° C

A Hewlett Packard 5973 GC/MSD equipped with an HP Chem Station data system was used to analyze the data.

The instrument conditions were:

Column:	30 meter x 0.25 mm ID, RTx-Volatiles (Restek Corp.) column with 3.0 µm film thickness.
Temperature:	4 min at 40° C 9° C/min to 165° C, hold for 2 min. 12° C/min to 220° C, hold for 7 min.
Flow Rate	Helium at 1.0 mL/min.
Mass Spectrometer:	Electron Impact Ionization at a nominal electron energy of 70 electron volts, scanning from 35-350 amu at one scan/sec.

Computer: Preprogrammed to plot Extracted Ion Current Profile (EICP); capable of integrating ions and plotting abundances vs time or scan number. A library search (NIST-98) for tentatively identified compounds was performed on samples.

The GC/MS system was calibrated using 6 VOC standards at 5, 20, 50, 100, 150, and 200 µg/L. (Exception was acetone, calibrated using 5 VOC standards-20, 50, 100, 150 and 200 µg/L). Before analysis each day, the system was tuned with 50-ng BFB and passed a continuing calibration check when analyzing a 50 µg/L standard mixture in which the responses were evaluated by comparison to the average responses of the calibration curve.

The results are in Table 1.1; the tentatively identified compounds are listed in Table 1.2.

The concentrations of the analytes were calculated using the following equation:

$$C_u = \frac{A_x \times I_{is} \times D}{A_{is} \times RF \text{ (or } RF_{ave})}$$

where

C_u	= Concentration of target analyte (µg/L)
A_x	= Area of the target analyte
I_{is}	= Concentration of specific internal standard (µg/L)
A_{is}	= Area of the specific internal standard
RF	= Response Factor
RF_{ave}	= average Response Factor
D	= Dilution factor

The average Response Factor is used when a sample is associated with an initial calibration curve. The Response Factor is used when a sample is associated with a continuing calibration curve.

Response Factor calculation:

The response factor (RF) for each specific analyte is quantitated based on the area response from the continuing calibration check as follows:

$$RF = \frac{A_c \times I_{is}'}{A_{is}' \times I_c}$$

where,

RF	= Response factor for a specific analyte
A_c	= Area of the analyte in the standard
I_{is}'	= Concentration of the specific internal standard
A_{is}'	= Area of the specific internal standard
I_c	= Concentration of the analyte in the standard

$$RF_{ave} = \frac{RF_1 + \ldots + RF_n}{n}$$

and

n = number of Samples

Revision of 01/21/04

Table 1.1 Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101304-1		10227		10228		10194		10195	
Location :			TB1		EPA-3(QA-MP)		EPA-6(D3)		EPA-6(D2)	
Analyzed :	10/13/2004		10/13/2004		10/13/2004		10/13/2004		10/13/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	1.2 J	8.0	U	12	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	1.8	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	9.9	1.0	U	50	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	3.9	1.0	U	39	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	1.1	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-Pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1318

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101304-1		10196		10197		10198		10199	
Location :			EPA-6(D1)		EPA-6(I2)		EPA-6(I1)		EPA-3(D3)	
Analyzed :	10/13/2004		10/13/2004		10/13/2004		10/13/2004		10/14/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	U	1.0	1.1	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-Pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1319

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101304-1	10200	10201	10225
Location :		EPA-3(D2)	EPA-3(D1)	EPA-3(I1)
Analyzed :	10/13/2004	10/14/2004	10/14/2004	10/14/2004
Dil. Fact. :	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-Pentanone	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	R	1.0	R	1.0	R	1.0	R	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0

rv1320

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101404-2			0-024-0161			27024			10202			10214		
Location :				TB2			EPA-10(QA-RB)			EPA-10(D3)			EPA-10(D2)		
Analyzed :	10/14/2004			10/14/2004			10/14/2004			10/14/2004			10/14/2004		
Dil. Fact. :	1			1			1			1			1		
Unit :	µg/L			µg/L			µg/L			µg/L			µg/L		
Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloromethane	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0
Bromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Acetone	U		8.0	1.4	J	8.0	U		14	U		8.0	U		8.0
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Methylene Chloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Butanone	U		1.0	U		1.0	3.0		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloroform	U		1.0	7.1		1.0	U		36	U		1.0	U		1.0
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Benzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Trichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U		1.0	2.9		1.0	U		15	U		1.0	U		1.0
Dibromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromoform	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Toluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Hexanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Ethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
p&m-Xylene	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0
o-Xylene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Styrene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0	R		1.0	R		1.0
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Naphthalene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0

rv1321

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101404-2			10215			10216			10217			10218		
Location :				EPA-10(D1)			EPA-10(I2)			EPA-10(I1)			EPA-10(S3)		
Analyzed :	10/14/2004			10/15/2004			10/15/2004			10/15/2004			10/15/2004		
Dil. Fact. :	1			1			1			1			1		
Unit :	µg/L			µg/L			µg/L			µg/L			µg/L		
Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloromethane	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0
Bromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Acetone	U		8.0	U		8.0	U		8.0	U		8.0	U		8.0
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Methylene Chloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Butanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloroform	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Benzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Trichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Dibromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromoform	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Toluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Hexanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Ethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
p&m-Xylene	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0
o-Xylene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Styrene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0	R		1.0	R		1.0
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Naphthalene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0

rv1322

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101404-2			10219			10220			10222		
Location :				EPA-5(D3)			EPA-5(D3)dup			EPA-5(D1)		
Analyzed :	10/14/2004			10/15/2004			10/15/2004			10/15/2004		
Dil. Fact. :	1			1			1			1		
Unit :	µg/L			µg/L			µg/L			µg/L		
Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0	U		1.0
Chloromethane	U		2.0	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0
Bromomethane	U		1.0	U		1.0	U		1.0	U		1.0
Chloroethane	U		1.0	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U		1.0	U		1.0	U		1.0	U		1.0
Acetone	U		8.0	U		8.0	U		8.0	U		8.0
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0
Methylene Chloride	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U		1.0	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
2-Butanone	U		1.0	U		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0
Chloroform	U		1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0	U		1.0
Benzene	U		1.0	U		1.0	U		1.0	U		1.0
Trichloroethene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U		1.0	U		1.0	U		1.0	U		1.0
Dibromomethane	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0	U		1.0
Bromoform	U		1.0	U		1.0	U		1.0	U		1.0
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0	U		1.0
Toluene	U		1.0	U		1.0	U		1.0	U		1.0
2-Hexanone	U		1.0	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U		1.0	U		1.0	U		1.0	U		1.0
Chlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0
Ethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
p&m-Xylene	U		2.0	U		2.0	U		2.0	U		2.0
o-Xylene	U		1.0	U		1.0	U		1.0	U		1.0
Styrene	U		1.0	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
Bromobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0	R		1.0
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0	U		1.0
Naphthalene	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0

rv1323

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101504-1		10221		10223		10234		10235	
Location :			EPA-5(D2)		EPA-5(I2)		EPA-5(I1)		EPA-8(D3)	
Analyzed :	10/15/2004		10/15/2004		10/15/2004		10/15/2004		10/15/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U J	1.0	U J	1.0	U J	1.0	U J	1.0	U J	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	14	U	14	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	2.5	1.0	1.8	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-Pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	R	1.0	R	1.0	R	1.0	R	1.0	R	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1324

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101504-1			10236			10237			10238			10239					
Location :				EPA-8(D2)			EPA-8(D1b)			EPA-8(D1a)			EPA-8(I2)					
Analyzed :	10/15/2004			10/15/2004			10/15/2004			10/15/2004			10/15/2004					
Dil. Fact. :	1			1			1			1			1					
Unit :	µg/L			µg/L			µg/L			µg/L			µg/L					
Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL			
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Chloromethane	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0			
Vinyl Chloride	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0			
Bromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Chloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Trichlorofluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Acetone	U		8.0	U		8.0	U		8.0	U		8.0	U		8.0			
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Methylene Chloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Carbon Disulfide	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
trans-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
2-Butanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
cis-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Chloroform	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Benzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Trichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Bromodichloromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Dibromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Dibromochloromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Bromoform	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Toluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
2-Hexanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Tetrachloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Chlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Ethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
p&m-Xylene	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0			
o-Xylene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Styrene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Isopropylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
n-Propylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Bromobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
2-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
4-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
tert-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
sec-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
n-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0	R		1.0	R		1.0			
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
Naphthalene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0			

rv1325

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101504-1			10243			10244		
Location :				EPA-8(I1)			EPA-8(S1)		
Analyzed :	10/15/2004			10/15/2004			10/15/2004		
Dil. Fact. :	1			1			1		
Unit :	µg/L			µg/L			µg/L		
Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0
Chloromethane	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	J	1.0	U	J	1.0	U	J	1.0
Bromomethane	U		1.0	U		1.0	U		1.0
Chloroethane	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U		1.0	U		1.0	U		1.0
Acetone	U		8.0	U		8.0	U		8.0
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0
Methylene Chloride	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0
2-Butanone	U		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U		1.0	U		1.0	U		1.0
Chloroform	U		1.0	U		1.0	U		1.0
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0
Benzene	U		1.0	U		1.0	U		1.0
Trichloroethene	U		1.0	U		1.0	U		1.0
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U		1.0	U		1.0	U		1.0
Dibromomethane	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0
Bromoform	U		1.0	U		1.0	U		1.0
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0
Toluene	U		1.0	U		1.0	U		1.0
2-Hexanone	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U		1.0	U		1.0	U		1.0
Chlorobenzene	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0
Ethylbenzene	U		1.0	U		1.0	U		1.0
p&m-Xylene	U		2.0	U		2.0	U		2.0
o-Xylene	U		1.0	U		1.0	U		1.0
Styrene	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U		1.0	U		1.0	U		1.0
Bromobenzene	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0
Naphthalene	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0

rv1326

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water blank 101804-1			10280			10281			10290			10291		
Location :				EPA-2(I2)			EPA-2(D1)			EPA-2(QA-RB)			EPA-2(D3)		
Analyzed :	10/18/2004			10/18/2004			10/18/2004			10/18/2004			10/18/2004		
Dil. Fact. :	1			1			1			1			1		
Unit :	µg/L			µg/L			µg/L			µg/L			µg/L		
Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloromethane	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	J	1.0	U	J	1.0	1.1	J	1.0	U	J	1.0	2.6	J	1.0
Bromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0
Acetone	U		8.0	U		8.0	U		8.0	2.0	J	8.0	U		8.0
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Methylene Chloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U		1.0	3.4		1.0	3.2		1.0	U		1.0	7.1		1.0
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Butanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U		1.0	190		1.0	250		1.0	U		1.0	420		1.0
Chloroform	U		1.0	U		1.0	U		1.0	U		1.0	47		1.0
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Benzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Trichloroethene	U		1.0	32		1.0	6.1		1.0	U		1.0	17		1.0
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U		1.0	U		1.0	U		1.0	U		1.0	22		1.0
Dibromomethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromoform	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Toluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Hexanone	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Chlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Ethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
p&m-Xylene	U		2.0	U		2.0	U		2.0	U		2.0	U		2.0
o-Xylene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Styrene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Bromobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0	R		1.0	R		1.0
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
Naphthalene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0	U		1.0

rv1327

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water blank 101804-1	10292	10302	10303
Location :		EPA-2(D2)	CY205(I2b)	EPA-9(D3)
Analyzed :	10/18/2004	10/19/2004	10/19/2004	10/19/2004
Dil. Fact. :	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L

Compound	Conc.		MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U		1.0	U		1.0	U		1.0	U		1.0
Chloromethane	U		2.0	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	J	1.0	4.8	J	1.0	U	J	1.0	U	J	1.0
Bromomethane	U		1.0	U		1.0	U		1.0	U		1.0
Chloroethane	U		1.0	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U	J	1.0	U	J	1.0	U	J	1.0	U	J	1.0
Acetone	U		8.0	U		8.0	U		8.0	U		8.0
1,1-Dichloroethene	U		1.0	U		1.0	U		1.0	U		1.0
Methylene Chloride	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U		1.0	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U		1.0	3.8		1.0	5.8		1.0	U		1.0
1,1-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
2-Butanone	U		1.0	U		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U		1.0	210		1.0	520		1.0	U		1.0
Chloroform	U		1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U		1.0	U		1.0	U		1.0	U		1.0
Benzene	U		1.0	U		1.0	U		1.0	U		1.0
Trichloroethene	U		1.0	5.4		1.0	34		1.0	U		1.0
1,2-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U		1.0	U		1.0	U		1.0	U		1.0
Dibromomethane	U		1.0	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U		1.0	U		1.0	U		1.0	U		1.0
Bromoform	U		1.0	U		1.0	U		1.0	U		1.0
4-Methyl-2-Pentanone	U		1.0	U		1.0	U		1.0	U		1.0
Toluene	U		1.0	U		1.0	U		1.0	U		1.0
2-Hexanone	U		1.0	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U		1.0	U		1.0	U		1.0	U		1.0
Chlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0
Ethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
p&m-Xylene	U		2.0	U		2.0	U		2.0	U		2.0
o-Xylene	U		1.0	U		1.0	U		1.0	U		1.0
Styrene	U		1.0	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U		1.0	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
Bromobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U		1.0	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U		1.0	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	R		1.0	R		1.0	R		1.0	R		1.0
1,2,4-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U		1.0	U		1.0	U		1.0	U		1.0
Naphthalene	U		1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U		1.0	U		1.0	U		1.0	U		1.0

rv1328

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101504-1		0-024-0216		0-024-0199		0-024-0200		0-024-0202	
Location :			TB4		EPA-4(QA-RB)		EPA-4(D3)		EPA-4(D1)	
Analyzed :	10/15/2004		10/15/2004		10/15/2004		10/15/2004		10/15/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	2.2 J	8.0	U	22	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	2.7	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	7.9	1.0	U	39	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	4.0	1.0	U	20	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	1.3	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1329

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101504-1	0-024-0201	0-024-0203	0-024-0207	10191
Location :		EPA-4(D2)	EPA-4(I2)	EPA-4(S1)	EPA-7(D3)
Analyzed :	10/15/2004	10/15/2004	10/15/2004	10/15/2004	10/15/2004
Dil. Fact. :	1	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1330

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101504-1		10192		10224		10226		10207	
Location :			EPA-7(D2)		EPA-7(I2)		EPA-7(S1)		EPA-7(I1)	
Analyzed :	10/15/2004		10/16/2004		10/16/2004		10/16/2004		10/16/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1331

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101604-2		10204		10205		10208		10209	
Location :			EPA-1(D3)		EPA-1(D3) DUP		EPA-1(D2)		EPA-1(D2)DUP	
Analyzed :	10/16/2004		10/16/2004		10/16/2004		10/16/2004		10/16/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	94	1.0	97	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	17	1.0	18	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	1200	1.0	1200	1.0	9.1	1.0	9.0	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1332

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101604-2		10229		10206		10245		10248	
Location :			EPA-1(I2)		EPA-1(D1)		CY204(D1B)		CY204(I2)	
Analyzed :	10/16/2004		10/17/2004		10/17/2004		10/17/2004		10/17/2004	
Dil. Fact. :	1		1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*	*Conc.*	*MDL*
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	5.3	1.0	7.7	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	1.6	1.0	4.7	1.0	310	1.0	450	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	23	1.0	32	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1333

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101604-2	10247	10193
Location :		CY204(D1A)DUP	EPA-7(D1)
Analyzed :	10/16/2004	10/17/2004	10/17/2004
Dil. Fact. :	1	1	1
Unit :	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	7.0	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	500	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	27	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0

rv1334

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101804-1		10282		10283		10301		10246	
Location :			CY205(D1b)		CY205(D1a)		CY205(I2a)		CY204(D1A)	
Analyzed :	10/18/2004		10/18/2004		10/18/2004		10/18/2004		10/18/2004	
Dil. Fact. :	1		1		1		1		10	
Unit :	µg/L		µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	20
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	80
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	10
trans-1,2-Dichloroethene	U	1.0	5.9	1.0	7.0	1.0	2.1	1.0	U	10
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	10
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
cis-1,2-Dichloroethene	U	1.0	330	1.0	490	1.0	190	1.0	410	10
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Trichloroethene	U	1.0	26	1.0	33	1.0	9.5	1.0	16	10
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	10
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	20
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	10
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	10

rv1335

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101804-1	27029	10312
Location :		TB3	EPA-9(I2)
Analyzed :	10/18/2004	10/19/2004	10/19/2004
Dil. Fact. :	1	1	1
Unit :	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	9.3	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	4.3	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	1.3	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0

rv1336

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101904-1	10293	10300
Location :		EPA-2(D2)dup	CY205(D1a)dup
Analyzed :	10/19/2004	10/19/2004	10/19/2004
Dil. Fact. :	1	1	1
Unit :	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	5.7	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	4.7	1.0	6.8	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	220	1.0	510	1.0
Chloroform	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	5.9	1.0	34	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0

rv1337

Table 1.1(Cont.) Results of the Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample # :	Water Blank 101904-1		10313		10310		10311	
Location :			EPA-9(I1)		EPA-9(D1)		EPA-9(D2)	
Analyzed :	10/19/2004		10/19/2004		10/19/2004		10/19/2004	
Dil. Fact. :	1		1		1		1	
Unit :	µg/L		µg/L		µg/L		µg/L	
Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	24 J	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	3.2	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0

rv1338

Table 1. 2 Results of TIC for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample #	Compound
Water Blank 101604-2 (Sys. A)	No Peaks Found
10204	No Peaks Found
10205	No Peaks Found
10208	No Peaks Found
10209	No Peaks Found
10229	No Peaks Found
10206	No Peaks Found
10245	No Peaks Found
10248	No Peaks Found
10247	No Peaks Found
10193	No Peaks Found
Water Blank 101804-1 (Sys. A)	No Peaks Found
10282	No Peaks Found
10283	No Peaks Found
10301	No Peaks Found
10246/10x	No Peaks Found
10312	No Peaks Found
Water Blank 101804-1 (Sys. B)	No Peaks Found
10280	No Peaks Found
10281	No Peaks Found
10291	No Peaks Found
10292	No Peaks Found
10302	No Peaks Found
10303	No Peaks Found
Water Blank 101904-1 (Sys. A)	No Peaks Found
10293	No Peaks Found
10300	No Peaks Found
10313	No Peaks Found
10310	No Peaks Found
10311	No Peaks Found
Water Blank 101304-1 (Sys. B)	No Peaks Found
10227	No Peaks Found
10228	No Peaks Found
10194	No Peaks Found
10195	No Peaks Found
10196	No Peaks Found
10197	No Peaks Found
10198	No Peaks Found
10199	No Peaks Found
10200	No Peaks Found
10201	No Peaks Found
10225	No Peaks Found
Water Blank 101404-2 (Sys. B)	No Peaks Found
0-024-0161	No Peaks Found
27024	No Peaks Found
10202	No Peaks Found
10214	No Peaks Found

Table 1. 2(Cont.) Results of TIC for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample #	Compound
10215	No Peaks Found
10216	No Peaks Found
10217	No Peaks Found
10218	No Peaks Found
10219	No Peaks Found
10220	No Peaks Found
10222	No Peaks Found
Water Blank 101504-1 (Sys. B)	No Peaks Found
10221	No Peaks Found
10223	No Peaks Found
10234	No Peaks Found
10237	No Peaks Found
10238	No Peaks Found
10239	No Peaks Found
10243	No Peaks Found
10244	No Peaks Found
Water Blank 101504-1 (Sys. A)	No Peaks Found
0-024-0199	No Peaks Found
0-024-0200	No Peaks Found
0-024-0202	No Peaks Found
0-024-0201	No Peaks Found
0-024-0203	No Peaks Found
0-024-0207	No Peaks Found
10191	No Peaks Found
10192	No Peaks Found
10224	No Peaks Found
10226	No Peaks Found
10207	No Peaks Found

Table 1. 2(Cont.) Results of TIC for VOC in Water

WA# 0-024 Cayuga County Westbay

Sample #10235 Unit µg/L

LabFile #BV9497 Con. Factor 1.0

	CAS#	Compound	Q	RT	Conc
1	7446-09-5	Sulfur dioxide	74	5.86	8.2

*Estimated Concentration (Response Factor = 1.0)

Table 1. 2(Cont.) Results of TIC for VOC in Water

WA# 0-024 Cayuga County Westbay

Sample #10236 Unit µg/L

LabFile #BV9498 Con. Factor 1.0

	CAS#	Compound	Q	RT	Conc
1	7446-09-5	Sulfur dioxide	83	4.9	5.9

*Estimated Concentration (Response Factor = 1.0)

Table 1. 2(Cont.) Results of TIC for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample #10290 Unit µg/L
LabFile #BV9514 Con. Factor 1.0

	CAS#	Compound	Q	RT	Conc
1		C4 Alkane		2.31	9.5

*Estimated Concentration (Response Factor = 1.0)

Table 1. 2(Cont.) Results of TIC for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample #0-024-216 Unit µg/L
LabFile #AV8991 Con. Factor 1.0

	CAS#	Compound	Q	RT	Conc
1		C4 Alkane		2.36	6.9

*Estimated Concentration (Response Factor = 1.0)

Table 1. 2(Cont.) Results of TIC for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample #27029 Unit µg/L
LabFile #AV9042 Con. Factor 1.0

	CAS#	Compound	Q	RT	Conc
1		C4 Alkane		2.35	12

*Estimated Concentration (Response Factor = 1.0)

Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water

Each sample was spiked with a three component mixture of CLP surrogate standards consisting of toluene-d_8, p-bromofluorobenzene and 1,2-dichloroethane-d_4. The surrogate percent recoveries, listed in Table 2.1, ranged from 91 to 109. All three hundred forty two values were within the acceptable QC limits. The internal standard areas for bromochloromethane, 1,4-difluorobenzene, and chlorobenzene-d_5) are also listed in Table 2.1. All three hundred forty two areas are within the acceptable QC limits.

Results of the MS/MSD Percent Recoveries for VOC in Water

Samples 10195, 10200 , 10214, 10221, 10244, 0-024-0201, 10206, 10247, 10293, and 10300 were chosen for the matrix spike/matrix spike duplicate analysis (MS/MSD). The percent recoveries, listed in Table 2.2, ranged from 88 to 157. Ninety eight out of one hundred values are within the acceptable QC limits. The relative percent differences, also listed in Table 2.2, ranged from 0 (zero) to 22. Forty eight out of fifty values are within the acceptable QC limits.

Table 2.1 Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/14/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV9469.D	Water Blank 101404-2	286964	2443017	1477213	102	101	97
BV9470.D	0-024-0161	286819	2413601	1470479	102	100	97
BV9471.D	27024	280662	2420027	1468148	101	101	97
BV9472.D	10202	282803	2414600	1469993	103	101	97
BV9473.D	10214	279068	2395673	1461610	103	101	97
BV9474.D	10214 MS	283993	2545702	1510046	103	100	94
BV9475.D	10214 MSD	283469	2549023	1507291	102	100	95
BV9476.D	10215	277224	2392859	1458329	104	101	96
BV9477.D	10216	276186	2355961	1438258	104	101	97
BV9478.D	10217	275427	2347104	1441102	104	101	96
BV9479.D	10218	279483	2367570	1447590	103	101	97
BV9480.D	10219	275245	2329499	1428840	103	100	97
BV9481.D	10220	272058	2342771	1430769	104	101	97
BV9482.D	10222	272299	2344860	1432086	103	101	96

Cal Check Area	BV9467.D	321673	2642940	1615870

				Surrogate Limits
				Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv747

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/13/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV9446.D	Water Blank 101304-1	303854	2582596	1504305	102	100	97
BV9447.D	10227	300470	2536689	1494305	101	100	96
BV9448.D	10228	304954	2522355	1495903	101	100	96
BV9449.D	10194	296324	2512512	1484506	103	100	95
BV9450.D	10195	291646	2487896	1476893	103	100	95
BV9451.D	10195 MS	299018	2630191	1523093	104	99	93
BV9452.D	10195 MSD	303120	2630173	1528895	104	99	93
BV9453.D	10196	293748	2445224	1474203	105	99	93
BV9454.D	10197	291287	2454014	1477338	105	99	93
BV9455.D	10198	290001	2431505	1468332	105	99	93
BV9456.D	10199	288349	2413162	1463767	105	99	93
BV9457.D	10200	284850	2420952	1471190	105	99	91
BV9458.D	10200 MS	296107	2576418	1521887	106	98	91
BV9459.D	10200 MSD	291597	2568167	1509300	105	99	91
BV9460.D	10201	286724	2407761	1466128	106	99	91
BV9461.D	10225	282592	2389259	1452270	107	100	92

Cal Check Area	BV9445.D	322480	2679950	1567410

				Surrogate Limits
				Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv748

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/15/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV9491.D	Water Blank 101504-1	285007	2439272	1466773	102	102	97
BV9492.D	10221	276635	2372758	1448243	102	101	97
BV9493.D	10221 MS	285776	2531460	1493453	103	101	96
BV9494.D	10221 MSD	280530	2517066	1489804	103	101	96
BV9495.D	10223	277563	2354470	1436998	102	101	97
BV9496.D	10234	271197	2310172	1411627	102	102	97
BV9497.D	10235	268595	2302319	1411660	103	101	97
BV9498.D	10236	263113	2316252	1404242	103	103	97
BV9499.D	10237	263256	2308575	1405226	103	102	97
BV9500.D	10238	261918	2287489	1401355	104	102	97
BV9501.D	10239	258667	2245909	1369464	100	102	97
BV9502.D	10243	258232	2203859	1350060	101	102	97
BV9503.D	10244	255205	2227547	1358253	103	102	98
BV9504.D	10244 MS	256363	2347729	1382460	102	102	97
BV9505.D	10244 MSD	260232	2365948	1398877	103	101	97

Cal Check Area	BV9490.D	312901	2575130	1590310

				Surrogate Limits
				Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv751

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/18/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
BV9509.D	Water Blank 101804-1	264233	2379547	1418550	103	101	96
BV9510.D	10280	286428	2352359	1419075	99	101	96
BV9511.D	10280/10x	274049	2293232	1385551	100	101	97
BV9512.D	10281	285904	2303751	1388269	99	101	97
BV9513.D	10281/10x	274452	2239081	1362108	100	101	97
BV9514.D	10290	254955	2223094	1365095	105	100	96
BV9515.D	10291	274905	2281975	1367512	99	101	96
BV9516.D	10291/10x	275880	2250295	1369963	100	100	96
BV9517.D	10292	273752	2282515	1367427	99	101	96
BV9518.D	10292/10x	267804	2257760	1370243	100	100	95
BV9519.D	10302	276526	2262320	1369281	99	101	96
BV9520.D	10302/10x	267742	2244139	1359416	101	101	96
BV9521.D	10303	256815	2203893	1352760	107	100	97

Cal Check Area	BV9508.D	288125	2481830	1513380

				Surrogate Limits
				Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv752

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/15/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV8990.D	Water Blank 101504-1	277345	2235014	1236848	100	101	98
AV8991.D	0-024-0216	270796	2176601	1214103	100	101	97
AV8992.D	0-024-0199	262182	2070625	1167241	100	101	97
AV8993.D	0-024-0200	250146	2038410	1147395	104	100	97
AV8994.D	0-024-0202	243983	1995010	1130164	104	99	95
AV8995.D	0-024-0201	243840	1962754	1110989	105	100	96
AV8996.D	0-024-0201 MS	240974	2012700	1130940	106	99	94
AV8997.D	0-024-0201 MSD	240254	1989121	1106429	105	101	95
AV8998.D	0-024-0203	231911	1883189	1080875	106	99	95
AV8999.D	0-024-0207	231292	1856441	1065776	107	99	94
AV9000.D	10191	226679	1827116	1055051	109	99	94
AV9001.D	10192	223137	1815089	1050179	109	99	93
AV9002.D	10224	220172	1806501	1040376	109	100	92
AV9003.D	10226	223819	1803452	1035627	108	100	93
AV9004.D	10207	225659	1783027	1036707	108	99	92

Cal Check Area	AV8989.D	290639	2323950	1312500

				Surrogate Limits
				Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv749

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/16/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV9011.D	Water Blank 101604-2	219824	1773697	1039558	102	101	98
AV9012.D	10204	229339	1770502	1030239	98	100	97
AV9013.D	10205	221363	1754017	1011417	99	102	97
AV9014.D	10208	215017	1727948	1005721	99	101	97
AV9015.D	10209	213886	1711464	1001390	98	101	96
AV9016.D	10229	198479	1670680	987147	100	101	94
AV9017.D	10206	206005	1660274	974566	101	100	96
AV9018.D	10206 MS	209676	1715352	996377	102	100	94
AV9019.D	10206 MSD	209533	1708710	987637	102	99	95
AV9020.D	10245	203663	1620484	956277	100	101	95
AV9021.D	10248	208003	1611742	945968	101	101	94
AV9022.D	10247	204622	1581366	930119	102	101	95
AV9023.D	10247 MS	204873	1626289	946893	103	100	94
AV9024.D	10247 MSD	202972	1611686	939440	103	100	93
AV9025.D	10193	189068	1522294	914712	106	99	95

Cal Check Area	AV9009.D	240283	1908770	1142560

				Surrogate Limits Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv750

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/18/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV9030.D	Water Blank 101804-1	295413	2129869	1181774	99	101	95
AV9031.D	10282	299756	2080617	1138679	97	103	95
AV9032.D	10283	292440	2068931	1139574	98	102	94
AV9033.D	10301	293454	2044205	1134765	98	101	94
AV9034.D	10204/20x	274676	1958488	1084529	99	102	95
AV9035.D	10205/20x	282760	1944905	1087455	100	101	94
AV9036.D	10245/10x	277087	1925753	1065232	100	101	95
AV9037.D	10246/10x	275079	1900523	1058053	101	101	94
AV9038.D	10247/10x	271110	1891248	1048898	99	102	94
AV9039.D	10248/10x	271321	1881302	1049095	100	101	94
AV9040.D	10282/10x	267773	1866041	1040660	101	101	94
AV9041.D	10283/10x	261783	1858348	1033745	101	101	94
AV9042.D	27029	247446	1824681	1019612	104	101	95
AV9043.D	10312	245840	1797575	1016824	106	100	93

Cal Check Area	AV9029.D	306873	2241000	1270210

				Surrogate Limits Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv753

Table 2.1 (Cont.) Results of the Internal Standard Areas and Surrogate Percent Recoveries for VOC in Water
WA# 0-024 Cayuga County Westbay

Analysis Date 10/19/04
Matrix Water

File ID	Sample No.	IS 1	IS 2	IS 3	Surr. 1	Surr. 2	Surr. 3
AV9050.D	Water Blank 101904-1	260285	1927084	1053510	101	102	94
AV9051.D	10293	267669	1893466	1036826	98	102	93
AV9052.D	10293MS	258291	1893876	1039712	99	100	92
AV9053.D	10293MSD	267512	1892195	1027086	98	101	93
AV9054.D	10300	257089	1813641	993342	98	103	93
AV9055.D	10300MS	257637	1864208	1015592	97	101	92
AV9056.D	10300MSD	263702	1860017	1019516	98	101	92
AV9057.D	10293/10x	256422	1775152	983379	98	102	93
AV9058.D	10300/10x	252521	1742525	962568	98	103	93
AV9059.D	10313	235632	1699345	959077	102	103	93
AV9060.D	10310	230565	1690825	945536	102	102	94
AV9061.D	10311	241219	1688813	944708	102	101	94

Cal Check Area	AV9049.D	274373	1987980	1146150

				Surrogate Limits Water
IS 1	Bromochloromethane	Surr. 1	1,2-Dichloroethane-d4	76 - 114
IS 2	1,4-Difluorobenzene	Surr. 2	Toluene-d8	88 - 110
IS 3	Chlorobenzene-d5	Surr. 3	p-Bromofluorobenzene	86 - 115

isv754

Table 2.2 Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10195

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	65.6	63.9	131	128	3	14	61 - 145
Benzene	U	50.0	50.0	56.9	56.2	114	112	1	11	76 - 127
Trichloroethene	U	50.0	50.0	57.6	56.2	115	112	2	14	71 - 120
Toluene	U	50.0	50.0	60.6	59.6	121	119	2	13	76 - 125
Chlorobenzene	U	50.0	50.0	59.6	59.3	119	119	1	13	75 - 130

msv469

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10200

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	53.9	61.3	108	123	13	14	61 - 145
Benzene	U	50.0	50.0	55.8	59.1	112	118	6	11	76 - 127
Trichloroethene	U	50.0	50.0	52.2	56.6	104	113	8	14	71 - 120
Toluene	U	50.0	50.0	57.7	61.3	115	123	6	13	76 - 125
Chlorobenzene	U	50.0	50.0	58.9	60.3	118	121	2	13	75 - 130

msv470

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10214

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	44.4	53.2	89	106	18 *	14	61 - 145
Benzene	U	50.0	50.0	48.3	50.1	97	100	4	11	76 - 127
Trichloroethene	U	50.0	50.0	46.3	49.8	93	100	7	14	71 - 120
Toluene	U	50.0	50.0	51.8	54.6	104	109	5	13	76 - 125
Chlorobenzene	U	50.0	50.0	53.9	54.8	108	110	2	13	75 - 130

msv471

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10221

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	51.2	46.7	102	93	9	14	61 - 145
Benzene	U	50.0	50.0	47.9	44.7	96	90	7	11	76 - 127
Trichloroethene	U	50.0	50.0	47.5	43.7	95	88	8	14	71 - 120
Toluene	U	50.0	50.0	52.2	49.0	104	98	6	13	76 - 125
Chlorobenzene	U	50.0	50.0	52.2	49.9	104	100	5	13	75 - 130

msv472

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10244

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	49.5	54.9	99	110	10	14	61 - 145
Benzene	U	50.0	50.0	46.6	48.2	93	97	4	11	76 - 127
Trichloroethene	U	50.0	50.0	45.3	48.3	91	97	6	14	71 - 120
Toluene	U	50.0	50.0	52.2	53.8	104	108	3	13	76 - 125
Chlorobenzene	U	50.0	50.0	53.2	54.1	106	108	2	13	75 - 130

msv473

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 0-024-0201

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	57.4	53.7	115	107	7	14	61 - 145
Benzene	U	50.0	50.0	52.7	52.8	105	106	0	11	76 - 127
Trichloroethene	U	50.0	50.0	49.6	48.9	99	98	2	14	71 - 120
Toluene	U	50.0	50.0	56.0	56.8	112	114	1	13	76 - 125
Chlorobenzene	U	50.0	50.0	55.4	56.8	111	114	2	13	75 - 130

msv474

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10206

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	61.4	59.8	123	120	3	14	61 - 145
Benzene	U	50.0	50.0	52.4	52.5	105	105	0	11	76 - 127
Trichloroethene	U	50.0	50.0	49.3	49.2	99	98	0	14	71 - 120
Toluene	U	50.0	50.0	56.6	57.1	113	114	1	13	76 - 125
Chlorobenzene	U	50.0	50.0	55.6	56.2	111	112	1	13	75 - 130

msv475

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10247

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	56.5	54.2	113	108	4	14	61 - 145
Benzene	U	50.0	50.0	52.3	51.0	105	102	3	11	76 - 127
Trichloroethene	22.6	50.0	50.0	72.6	70.9	100	97	4	14	71 - 120
Toluene	U	50.0	50.0	55.8	54.7	112	109	2	13	76 - 125
Chlorobenzene	U	50.0	50.0	55.4	54.7	111	109	1	13	75 - 130

msv476

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10293

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	78.6	70.0	157 *	140	12	14	61 - 145
Benzene	U	50.0	50.0	55.5	55.4	111	111	0	11	76 - 127
Trichloroethene	5.9	50.0	50.0	59.1	58.9	106	106	0	14	71 - 120
Toluene	U	50.0	50.0	58.6	58.9	117	118	1	13	76 - 125
Chlorobenzene	U	50.0	50.0	58.1	57.9	116	116	0	13	75 - 130

msv477

Table 2.2 (Cont.) Results of the MS/MSD Analysis for VOC in Water
WA# 0-024 Cayuga County Westbay

Sample ID: 10300

Compound Name	Sample Conc. (µg/L)	MS Spike Added (µg/L)	MSD Spike Added (µg/L)	MS Conc. (µg/L)	MSD Conc. (µg/L)	MS % Rec.	MSD % Rec.	RPD	QC Limits RPD	QC Limits % Rec.
1,1-Dichloroethene	U	50.0	50.0	60.1	74.9	120	150 *	22 *	14	61 - 145
Benzene	U	50.0	50.0	54.8	54.5	110	109	1	11	76 - 127
Trichloroethene	34.1	50.0	50.0	91.2	88.6	114	109	5	14	71 - 120
Toluene	U	50.0	50.0	58.3	57.5	117	115	1	13	76 - 125
Chlorobenzene	U	50.0	50.0	57.8	57.3	116	115	1	13	75 - 130

msv478

REAC, Edison, NJ
EPA Contract #: EP-C-04-032
Cayuga Co. Westbay Sampling

CHAIN OF CUSTODY RECORD
Site #: 024
Contact Name: K. Woodruff
Contact Phone: 609-865-9317

No: 0-024-0011
Cooler #:
Edison, NJ
Lab Phone:

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
1165	10194	EPA-6(D3)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1166	10195	EPA-6(D2)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1167	10196	EPA-6(D1)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1168	10197	EPA-6(i2)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1169	10198	EPA-6(i1)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1170	10199	EPA-3(D3)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1171	10200	EPA-3(D2)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	RW
1172	10201	EPA-3(D1)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1173	10203	EPA-3(i2)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1174	10225	EPA-3(i1)	VOAs	Ground Water	10/9/2004	3	40 ml vial	4 C	
1175	10227	TB1	VOAs	Blank	10/9/2004	2	40 ml vial	4 C	
1176	10228	EPA-3 (QA-MP)	VOAs	Rinsate Blank	10/9/2004	3	40 ml vial	4 C	

RW

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all/analyses	K. Woodruff	10/11/04	[illegible]	10/11/04	1000	all/analyses	[illegible]	10/13/04	[illegible]	10-13-04	8:45

054

0024-DAR-011105

REAC, Edison, N
(732) 321-4200
EPA Contract ~~68-C99-223~~ KW
EP-C-04-032

CHAIN OF CUSTO RECORD

Project Name: Cayuga County
Project Number: 0-024
LM Contact: K. Woodruff Phone: 609-865-9317

0-024 012
No: ~~14927~~ KW
Sheet 01 of ~~01~~ 02 (Do not copy)
(for addnl. samples use new form)

Sample Identification / **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOCs				
1191	0-024-0161	TB2	W	10/12/04	3	40 ml vial / 4°C	X				
1192	10202	EPA-10 (D3)	GW		3		X				
1193	10214	EPA-10 (D2)			3		X				
1194	10215	EPA-10 (D1)			3 #		X				
1195	10216	EPA-10 (I2)			3 ++		X				
1196	10217	EPA-10 (I1)			3		X				
1197	10218	EPA-10 (S3)			3		X				
1198	10219	EPA-5 (D3)			3		X				
1199	10220	EPA-5 (D3) DUP			2		X			KW	
1190	10221	EPA-5 (D2)			3		X				
1191	10222	EPA-5 (D1)			3		X				
1192	10223	EPA-5 (I2)			3		X				
1193	10234	EPA-5 (I1)			3		X				
1194	10235	EPA-8 (D3)			3		X				
1195	10236	EPA-8 (D2)			3		X				
1196	10237	EPA-8 (D1b)			3		X				
1197	10238	EPA-8 (D1a)			3		X				
1198	10239	EPA-8 (I2)			3		X				
1199	10243	EPA-8 (I1)			3		X				

055

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

10214, one vial broken
++ 10216, one vial missing

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
all/analyses	K. Woodruff	10/13/04	[illegible]	10/14/04	1100	all/analyses	[illegible]	10/15/04	[illegible]	10/15/04	1:20

0024DAR-011105

REAC, Edison, NJ
(732) 321-4200
EPA Contract ~~68-C99-223~~ KW
EP-C-04-032

CHAIN OF CUSTODY RECORD

Project Name: Cayuga County
Project Number: 0-024
LM Contact: K. Woodruff Phone: 609-865-9317

0-024-0012

No: ~~14928~~ 02 KW
Sheet ~~01~~ of ~~01~~ 02 (Do not copy)
(for addnl. samples use new form)

Sample Identification **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOCs				
1200	* 10244	EPA-8 (SI)	GW	10/12/04	5	40ml vial/4°C	X				
1201	27024	EPA-10 (QA-RB)	W	10/12/04	2	40ml vial/4°C	X				

KW

056

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

* MS/MSD

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
all/analyses	K. Woodruff	10/13/04	[signature]	10/14/04	[illegible]	all/analyses	[signature]	10/15/04	[signature]	10.15.04	1:20

0024-DAR-011105

CHAIN OF CUSTODY RECORD

No: 0-024-0013

REAC, Edison, NJ
EPA Contract #: EP-C-04-032
Cayuga Co. Westbay Sampling

Site #: 024
Contact Name: K. Woodruff
Contact Phone: 609-865-9317

Cooler #:
Edison, NJ
Lab Phone:

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
1202 1190	10245	CY204(D1B)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1203 1191	10246	CY204(D1A)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
204 1192	10247	CY204(D1A) dup	VOAs	Ground Water	10/13/2004	5	40 ml vial	4 C	Y
1205 1193	10248	CY204(I2)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1206 1194	10249	CY204(S1)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1207 1195	10280	EPA-2(I2)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	n
1208 1196	10281	EPA-2(D1)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	n
1209 1197	10282	CY205(D1b)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1210 1198	10283	CY205(D1a)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1211 1199	~~10290~~ 10290 NW	EPA-2(QA-RB)	VOAs	Rinsate Blank	10/13/2004	3	40 ml vial	4 C	N
1316	10291	EPA-2(D3)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1317	10292	EPA-2(D2)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	n
1318	10293	EPA-2(D2) dup	VOAs	Ground Water	10/13/2004	5	40 ml vial	4 C	Y
1319	10300	CY205(D1a) dup	VOAs	Ground Water	10/13/2004	5	40 ml vial	4 C	Y

057

Special Instructions: 10249 is Lost

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all/analysis	K. Woodruff	10/14/04	[signature]	10/15/04	1050	all/analysis	[signature]	10/15/04	[signature]	10-15-04	16:30

0024-DAR-011105

CHAIN OF CUSTODY RECORD

No: 0-024-0013

REAC, Edison, NJ
EPA Contract #: EP-C-04-032
Cayuga Co. Westbay Sampling

Site #: 024
Contact Name: K. Woodruff
Contact Phone: 609-865-9317

Cooler #:
Edison, NJ
Lab Phone:

Lab #	Sample #	Location	Analyses	Matrix	Collected	Numb Cont	Container	Preservative	MS/MSD
1212	10301	CY205(i2a)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	n
1213	10302	~~CY205(i2b)~~ CX205 (i2b)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	n
1214	10303	EPA-9(D3)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1215	10310	EPA-9(D1)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1216	10311	EPA-9(D2)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1217	10312	EPA-9(I2)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1218	10313	EPA-9(I1)	VOAs	Ground Water	10/13/2004	3	40 ml vial	4 C	N
1219	27029	TB3	VOAs	Blank	10/13/2004	3	40 ml vial	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
all/analyses	K-Woodruff	10/14/04	[illegible]	10/15/04	1050	all/analyses	[illegible]	10/15/04	[illegible]	10.15.04	16:30

058

0024-DAR-011105

REAC, Edison, N
(732) 321-4200
EPA Contract ~~68-C99-223~~ KW
EPC-04-032

CHAIN OF CUSTO ECORD

Project Name: Cayuga Co
Project Number: 0-024
LM Contact: K. Woodruff Phone: 609 865-9317

0-024 0014
No: ~~14930~~ KW
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification | **Analyses Requested**

238 REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOCs				
~~1219~~	0-024-0200	EPA-4(D3)	GW	10/14/04	3	40ml vial/cool	X				
1220	0-024-0199	EPA-4(QA-RB)	W		3		X				
1221	0-024-0202	EPA-4(D1)	GW		3		X				
1222	0-024-0201	EPA-4(D2)			3		X				
1223	0-024-0203	EPA-4(I2)			3		X				
1224	0-024-0207	EPA-4(S1)			3		X				
1225	10191	EPA-7(D3)			2		X				
1226	10192	EPA-7(D2)			3		X				
1227	10224	EPA-7(I2)			3		X				
1228	10226	EPA-7(S1)			3		X				
1229	10207	EPA-7(I1)			3		X				
1230	10193	EPA-7(D1)			3		X				
1231	10204	EPA-1(D3)			3		X				
1232	10205	EPA-1(D3)DUP			5		X				
1233	10208	EPA-1(D2)			3		X				
1234	10209	EPA-1(D2)DUP			5		X				
1235	10229	EPA-1(I2)			3		X				
1236	10206	EPA-1(D1)			3		X				
1237	0-024-0216	TB4	W		3		X				

KW

059

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
all/analysis	K Woodruff	10/14/04	[signature]	10/15/04	1030	all/analysis	[signature]	10/15/04	[signature]	10-15-04	16:30

0028-DAR-011105

Appendix C

APPENDIX C

PRELIMINARY ANALYTICAL RESULTS FOR DECEMBER 2004 SAMPLING EVENT

CAYUGA COUNTY WESTBAY SAMPLING SITE

TRIP REPORT

JANUARY 2005

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024				
Sample # :	Water Blank A 121704-3	19512	19513	19514	19517
Location :		EPA-1(D2)	EPA-1(D1)	EPA-1(I2)	EPA-5 (D3 DUP)
Collected :		12/15/04	12/15/04	12/15/04	12/16/04
Analyzed :	12/17/04	12/17/04	12/17/04	12/17/04	12/17/04
Injected :	4:36 PM	8:32 PM	9:11 PM	9:49 PM	11:45 PM
File :	AV9294.D	AV9300.D	AV9301.D	AV9302.D	AV9305.D
Dil. Fact. :	1	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	1.1	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	U	8.0	U	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	8.2	1.0	5.0	1.0	3.3	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1389

Preliminary Results
Data Not Validated

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024	
Sample # :	Water Blank A 121704-3	19516
Location :		EPA-5 (D3)
Collected :		12/16/04
Analyzed :	12/17/04	12/18/04
Injected :	4:36 PM	12:24 AM
File :	AV9294.D	AV9306.D
Dil. Fact. :	1	1
Unit :	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0
Acetone	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0
Chloroform	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0
Benzene	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0
Toluene	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0
Styrene	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0

Preliminary Results
Data Not Validated

rv1390

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024				
Sample # :	Water Blank A 121804-2	19509	19515	19518	19519
Location :		Rinsate Blank	EPA-5 RB	EPA-5 (D2)	EPA-5 (D1)
Collected :		12/15/04	12/16/04	12/16/04	12/16/04
Analyzed :	12/18/04	12/18/04	12/18/04	12/18/04	12/18/04
Injected :	6:07 AM	6:46 AM	7:24 AM	8:02 AM	8:40 AM
File :	AV9315.D	AV9316.D	AV9317.D	AV9318.D	AV9319.D
Dil. Fact. :	1	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	6.5 J	8.0	5.8 J	8.0	U	8.0	U	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	3.8	1.0	3.9	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	2.4	1.0	2.5	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1391

Preliminary Results
Data Not Validated

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024				
Sample # :	Water Blank A 121804-2	19520	19521	19524	19526
Location :		EPA-5 (I2)	EPA-9 (D3)	EPA-9 (D1)	EPA-9 (I1)
Collected :		12/16/04	12/16/04	12/16/04	12/16/04
Analyzed :	12/18/04	12/18/04	12/18/04	12/18/04	12/18/04
Injected :	6:07 AM	9:19 AM	9:57 AM	11:14 AM	1:49 PM
File :	AV9315.D	AV9320.D	AV9321.D	AV9323.D	AV9327.D
Dil. Fact. :	1	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloromethane	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
Vinyl Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichlorofluoromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Acetone	U	8.0	13	8.0	U	8.0	U	8.0	37	8.0
1,1-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methylene Chloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Disulfide	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Methyl-t-butyl Ether	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,2-Dichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Butanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,2-Dichloroethene	U	1.0	1.9	1.0	U	1.0	U	1.0	U	1.0
Chloroform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Carbon Tetrachloride	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Benzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Trichloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromodichloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromomethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
cis-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
trans-1,3-Dichloropropene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2-Trichloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Dibromochloromethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromoethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromoform	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Methyl-2-pentanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Toluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Hexanone	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Tetrachloroethene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Chlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,1,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Ethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p&m-Xylene	U	2.0	U	2.0	U	2.0	U	2.0	U	2.0
o-Xylene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Styrene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Isopropylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,1,2,2-Tetrachloroethane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Propylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Bromobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3,5-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
2-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
4-Chlorotoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
tert-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trimethylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
sec-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
p-Isopropyltoluene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,3-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,4-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
n-Butylbenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2-Dibromo-3-chloropropane	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,4-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Hexachlorobutadiene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
Naphthalene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0
1,2,3-Trichlorobenzene	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0

rv1392

Preliminary Results
Data Not Validated

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024	
Sample # :	Water Blank A 121804-2	19530
Location :		EPA-2 (I2)
Collected :		12/16/04
Analyzed :	12/18/04	12/18/04
Injected :	6:07 AM	3:08 PM
File :	AV9315.D	AV9329.D
Dil. Fact. :	1	2
Unit :	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	2.0
Chloromethane	U	2.0	U	4.0
Vinyl Chloride	U	1.0	U	2.0
Bromomethane	U	1.0	U	2.0
Chloroethane	U	1.0	U	2.0
Trichlorofluoromethane	U	1.0	U	2.0
Acetone	U	8.0	U	16
1,1-Dichloroethene	U	1.0	U	2.0
Methylene Chloride	U	1.0	U	2.0
Carbon Disulfide	U	1.0	U	2.0
Methyl-t-butyl Ether	U	1.0	U	2.0
trans-1,2-Dichloroethene	U	1.0	5.1	2.0
1,1-Dichloroethane	U	1.0	U	2.0
2-Butanone	U	1.0	U	2.0
2,2-Dichloropropane	U	1.0	U	2.0
cis-1,2-Dichloroethene	U	1.0	530	2.0
Chloroform	U	1.0	U	2.0
1,1-Dichloropropene	U	1.0	U	2.0
1,2-Dichloroethane	U	1.0	U	2.0
1,1,1-Trichloroethane	U	1.0	U	2.0
Carbon Tetrachloride	U	1.0	U	2.0
Benzene	U	1.0	U	2.0
Trichloroethene	U	1.0	24	2.0
1,2-Dichloropropane	U	1.0	U	2.0
Bromodichloromethane	U	1.0	U	2.0
Dibromomethane	U	1.0	U	2.0
cis-1,3-Dichloropropene	U	1.0	U	2.0
trans-1,3-Dichloropropene	U	1.0	U	2.0
1,1,2-Trichloroethane	U	1.0	U	2.0
1,3-Dichloropropane	U	1.0	U	2.0
Dibromochloromethane	U	1.0	U	2.0
1,2-Dibromoethane	U	1.0	U	2.0
Bromoform	U	1.0	U	2.0
4-Methyl-2-pentanone	U	1.0	U	2.0
Toluene	U	1.0	U	2.0
2-Hexanone	U	1.0	U	2.0
Tetrachloroethene	U	1.0	U	2.0
Chlorobenzene	U	1.0	U	2.0
1,1,1,2-Tetrachloroethane	U	1.0	U	2.0
Ethylbenzene	U	1.0	U	2.0
p&m-Xylene	U	2.0	U	4.0
o-Xylene	U	1.0	U	2.0
Styrene	U	1.0	U	2.0
Isopropylbenzene	U	1.0	U	2.0
1,1,2,2-Tetrachloroethane	U	1.0	U	2.0
1,2,3-Trichloropropane	U	1.0	U	2.0
n-Propylbenzene	U	1.0	U	2.0
Bromobenzene	U	1.0	U	2.0
1,3,5-Trimethylbenzene	U	1.0	U	2.0
2-Chlorotoluene	U	1.0	U	2.0
4-Chlorotoluene	U	1.0	U	2.0
tert-Butylbenzene	U	1.0	U	2.0
1,2,4-Trimethylbenzene	U	1.0	U	2.0
sec-Butylbenzene	U	1.0	U	2.0
p-Isopropyltoluene	U	1.0	U	2.0
1,3-Dichlorobenzene	U	1.0	U	2.0
1,4-Dichlorobenzene	U	1.0	U	2.0
n-Butylbenzene	U	1.0	U	2.0
1,2-Dichlorobenzene	U	1.0	U	2.0
1,2-Dibromo-3-chloropropane	U	1.0	U	2.0
1,2,4-Trichlorobenzene	U	1.0	U	2.0
Hexachlorobutadiene	U	1.0	U	2.0

Preliminary Results
Data Not Validated

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024				
Sample # :	Water Blank A 122004-2	19528	19527	19529	19510
Location :		EPA-2 (D2)	EPA-2 (D3)	EPA-2 (D1)	EPA-1 (D3)
Collected :		12/16/04	12/16/04	12/16/04	12/15/04
Analyzed :	12/20/04	12/20/04	12/20/04	12/20/04	12/20/04
Injected :	7:52 PM	8:30 PM	9:48 PM	10:25 PM	11:43 PM
File :	AV9342.D	AV9343.D	AV9345.D	AV9346.D	AV9348.D
Dil. Fact. :	1	2	5	5	20
Unit :	µg/L	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Chloromethane	U	2.0	U	4.0	U	10	U	10	U	40
Vinyl Chloride	U	1.0	3.4	2.0	U	5.0	U	5.0	120	20
Bromomethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Chloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Trichlorofluoromethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Acetone	U	8.0	14 J	16	69	40	64	40	280	160
1,1-Dichloroethene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Methylene Chloride	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Carbon Disulfide	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Methyl-t-butyl Ether	U	1.0	U	2.0	U	5.0	U	5.0	U	20
trans-1,2-Dichloroethene	U	1.0	3.4	2.0	U	5.0	U	5.0	U	20
1,1-Dichloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
2-Butanone	U	1.0	U	2.0	U	5.0	U	5.0	U	20
2,2-Dichloropropane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
cis-1,2-Dichloroethene	U	1.0	320	2.0	340	5.0	280	5.0	1000	20
Chloroform	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,1-Dichloropropene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2-Dichloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,1,1-Trichloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Carbon Tetrachloride	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Benzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Trichloroethene	U	1.0	5.1	2.0	6.7	5.0	8.6	5.0	U	20
1,2-Dichloropropane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Bromodichloromethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Dibromomethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
cis-1,3-Dichloropropene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
trans-1,3-Dichloropropene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,1,2-Trichloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,3-Dichloropropane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Dibromochloromethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2-Dibromoethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Bromoform	U	1.0	U	2.0	U	5.0	U	5.0	U	20
4-Methyl-2-pentanone	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Toluene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
2-Hexanone	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Tetrachloroethene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Chlorobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,1,1,2-Tetrachloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Ethylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
p&m-Xylene	U	2.0	U	4.0	U	10	U	10	U	40
o-Xylene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Styrene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Isopropylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,1,2,2-Tetrachloroethane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2,3-Trichloropropane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
n-Propylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Bromobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,3,5-Trimethylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
2-Chlorotoluene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
4-Chlorotoluene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
tert-Butylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2,4-Trimethylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
sec-Butylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
p-Isopropyltoluene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,3-Dichlorobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,4-Dichlorobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
n-Butylbenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2-Dichlorobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2-Dibromo-3-chloropropane	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2,4-Trichlorobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Hexachlorobutadiene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
Naphthalene	U	1.0	U	2.0	U	5.0	U	5.0	U	20
1,2,3-Trichlorobenzene	U	1.0	U	2.0	U	5.0	U	5.0	U	20

rv1394

Preliminary Results
Data Not Validated

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024	
Sample # :	Water Blank A 122004-2	19511
Location :		EPA-1 (D3 DUP)
Collected :		12/15/04
Analyzed :	12/20/04	12/21/04
Injected :	7:52 PM	12:21 AM
File :	AV9342.D	AV9349.D
Dil. Fact. :	1	20
Unit :	µg/L	µg/L

Compound	Conc.	MDL	Conc.	MDL
Dichlorodifluoromethane	U	1.0	U	20
Chloromethane	U	2.0	U	40
Vinyl Chloride	U	1.0	140	20
Bromomethane	U	1.0	U	20
Chloroethane	U	1.0	U	20
Trichlorofluoromethane	U	1.0	U	20
Acetone	U	8.0	270	160
1,1-Dichloroethene	U	1.0	U	20
Methylene Chloride	U	1.0	U	20
Carbon Disulfide	U	1.0	U	20
Methyl-t-butyl Ether	U	1.0	U	20
trans-1,2-Dichloroethene	U	1.0	U	20
1,1-Dichloroethane	U	1.0	U	20
2-Butanone	U	1.0	U	20
2,2-Dichloropropane	U	1.0	U	20
cis-1,2-Dichloroethene	U	1.0	1100	20
Chloroform	U	1.0	U	20
1,1-Dichloropropene	U	1.0	U	20
1,2-Dichloroethane	U	1.0	U	20
1,1,1-Trichloroethane	U	1.0	U	20
Carbon Tetrachloride	U	1.0	U	20
Benzene	U	1.0	U	20
Trichloroethene	U	1.0	U	20
1,2-Dichloropropane	U	1.0	U	20
Bromodichloromethane	U	1.0	U	20
Dibromomethane	U	1.0	U	20
cis-1,3-Dichloropropene	U	1.0	U	20
trans-1,3-Dichloropropene	U	1.0	U	20
1,1,2-Trichloroethane	U	1.0	U	20
1,3-Dichloropropane	U	1.0	U	20
Dibromochloromethane	U	1.0	U	20
1,2-Dibromoethane	U	1.0	U	20
Bromoform	U	1.0	U	20
4-Methyl-2-pentanone	U	1.0	U	20
Toluene	U	1.0	U	20
2-Hexanone	U	1.0	U	20
Tetrachloroethene	U	1.0	U	20
Chlorobenzene	U	1.0	U	20
1,1,1,2-Tetrachloroethane	U	1.0	U	20
Ethylbenzene	U	1.0	U	20
p&m-Xylene	U	2.0	U	40
o-Xylene	U	1.0	U	20
Styrene	U	1.0	U	20
Isopropylbenzene	U	1.0	U	20
1,1,2,2-Tetrachloroethane	U	1.0	U	20
1,2,3-Trichloropropane	U	1.0	U	20
n-Propylbenzene	U	1.0	U	20
Bromobenzene	U	1.0	U	20
1,3,5-Trimethylbenzene	U	1.0	U	20
2-Chlorotoluene	U	1.0	U	20
4-Chlorotoluene	U	1.0	U	20
tert-Butylbenzene	U	1.0	U	20
1,2,4-Trimethylbenzene	U	1.0	U	20
sec-Butylbenzene	U	1.0	U	20
p-Isopropyltoluene	U	1.0	U	20
1,3-Dichlorobenzene	U	1.0	U	20
1,4-Dichlorobenzene	U	1.0	U	20
n-Butylbenzene	U	1.0	U	20
1,2-Dichlorobenzene	U	1.0	U	20
1,2-Dibromo-3-chloropropane	U	1.0	U	20
1,2,4-Trichlorobenzene	U	1.0	U	20
Hexachlorobutadiene	U	1.0	U	20
Naphthalene	U	1.0	U	20
1,2,3-Trichlorobenzene	U	1.0	U	20

Preliminary Results
Data Not Validated

rv1395

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

TABLE 1
VOLATILE ORGANIC COMPOUND ANALYSIS

Project # :	Cayuga County,#0024			
Sample # :	Water Blank A 122104-2	19531	19523	19525
Location :		EPA-2 (I1)	EPA-9 (D2)	EPA-9 (I2)
Collected :		12/16/04	12/16/04	12/16/04
Analyzed :	12/21/04	12/21/04	12/21/04	12/21/04
Injected :	8:35 PM	9:12 PM	9:50 PM	11:42 PM
File :	AV9362.D	AV9363.D	AV9364.D	AV9367.D
Dil. Fact. :	1	1	1	1
Unit :	µg/L	µg/L	µg/L	µg/L

Compound	Conc.	MDL	Conc.		MDL	Conc.		MDL	Conc.		MDL
Dichlorodifluoromethane	U	1.0	U		1.0	U		1.0	U		1.0
Chloromethane	U	2.0	U		2.0	U		2.0	U		2.0
Vinyl Chloride	U	1.0	U		1.0	U		1.0	U		1.0
Bromomethane	U	1.0	U		1.0	U		1.0	U		1.0
Chloroethane	U	1.0	U		1.0	U		1.0	U		1.0
Trichlorofluoromethane	U	1.0	U		1.0	U		1.0	U		1.0
Acetone	8.5	8.0	U	B	8.0	U	B	8.0	U	B	8.0
1,1-Dichloroethene	U	1.0	U		1.0	U		1.0	U		1.0
Methylene Chloride	U	1.0	U		1.0	U		1.0	U		1.0
Carbon Disulfide	U	1.0	U		1.0	U		1.0	U		1.0
Methyl-t-butyl Ether	U	1.0	U		1.0	U		1.0	U		1.0
trans-1,2-Dichloroethene	U	1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloroethane	U	1.0	U		1.0	U		1.0	U		1.0
2-Butanone	U	1.0	U		1.0	U		1.0	U		1.0
2,2-Dichloropropane	U	1.0	U		1.0	U		1.0	U		1.0
cis-1,2-Dichloroethene	U	1.0	12		1.0	2.3		1.0	U		1.0
Chloroform	U	1.0	U		1.0	U		1.0	U		1.0
1,1-Dichloropropene	U	1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloroethane	U	1.0	U		1.0	U		1.0	U		1.0
1,1,1-Trichloroethane	U	1.0	U		1.0	U		1.0	U		1.0
Carbon Tetrachloride	U	1.0	U		1.0	U		1.0	U		1.0
Benzene	U	1.0	U		1.0	U		1.0	U		1.0
Trichloroethene	U	1.0	U		1.0	U		1.0	U		1.0
1,2-Dichloropropane	U	1.0	U		1.0	U		1.0	U		1.0
Bromodichloromethane	U	1.0	U		1.0	U		1.0	U		1.0
Dibromomethane	U	1.0	U		1.0	U		1.0	U		1.0
cis-1,3-Dichloropropene	U	1.0	U		1.0	U		1.0	U		1.0
trans-1,3-Dichloropropene	U	1.0	U		1.0	U		1.0	U		1.0
1,1,2-Trichloroethane	U	1.0	U		1.0	U		1.0	U		1.0
1,3-Dichloropropane	U	1.0	U		1.0	U		1.0	U		1.0
Dibromochloromethane	U	1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromoethane	U	1.0	U		1.0	U		1.0	U		1.0
Bromoform	U	1.0	U		1.0	U		1.0	U		1.0
4-Methyl-2-pentanone	U	1.0	U		1.0	U		1.0	U		1.0
Toluene	U	1.0	U		1.0	U		1.0	U		1.0
2-Hexanone	U	2.0	U		1.0	U		1.0	U		1.0
Tetrachloroethene	U	1.0	U		1.0	U		1.0	U		1.0
Chlorobenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,1,1,2-Tetrachloroethane	U	1.0	U		1.0	U		1.0	U		1.0
Ethylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
p&m-Xylene	U	2.0	U		2.0	U		2.0	U		2.0
o-Xylene	U	1.0	U		1.0	U		1.0	U		1.0
Styrene	U	1.0	U		1.0	U		1.0	U		1.0
Isopropylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,1,2,2-Tetrachloroethane	U	1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichloropropane	U	1.0	U		1.0	U		1.0	U		1.0
n-Propylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
Bromobenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,3,5-Trimethylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
2-Chlorotoluene	U	1.0	U		1.0	U		1.0	U		1.0
4-Chlorotoluene	U	1.0	U		1.0	U		1.0	U		1.0
tert-Butylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trimethylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
sec-Butylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
p-Isopropyltoluene	U	1.0	U		1.0	U		1.0	U		1.0
1,3-Dichlorobenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,4-Dichlorobenzene	U	1.0	U		1.0	U		1.0	U		1.0
n-Butylbenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,2-Dichlorobenzene	U	1.0	U		1.0	U		1.0	U		1.0
1,2-Dibromo-3-chloropropane	U	1.0	U		1.0	U		1.0	U		1.0
1,2,4-Trichlorobenzene	U	1.0	U		1.0	U		1.0	U		1.0
Hexachlorobutadiene	U	1.0	U		1.0	U		1.0	U		1.0
Naphthalene	U	1.0	U		1.0	U		1.0	U		1.0
1,2,3-Trichlorobenzene	U	1.0	U		1.0	U		1.0	U		1.0

Preliminary Results
Data Not Validated

rv1396

B Indicates compound is present in Blank
J Indicates below Method Detection Limit
U Indicates compound Not Detected

AC, Edison, NJ
2) 321-4200
A Contract 68-C99-223

CHAIN OF CUSTODY RECORD

Project Name: CAYUGA [illegible], WestBay
Project Number: 0-024
LM Contact: Ken Woodruff Phone:

No: 18682
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification | **Analyses Requested**

EAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOC				
	A 19509 FA	Rinsate Blank	W	12/15/04	3	Cool 4°C glass	VOC				
	A 19510	EPA-1 (D3)	W	12/15/04	3	cool 4°C glass	VOC				
	A 19511	EPA-1 (D3 DUP)	W	12/15/04	3	Cool 4°C glass	VOC				
	A 19512	EPA-1 (D2)	W	12/15/04	3	cool 4°C glass	VOC				
	A 19513	EPA-1 (D1)	W	12/15/04	3	Cool 4°C glass	VOC				
	A 19514	EPA-1 (I2)	W	12/15/04	3	cool 4°C glass	VOC				
	A 19515	EPA-5 RB	W	7/16/04	3	" "	VOC				
	A 19516	EPA-5 (D3)	W	7/16/04	3	" "	VOC				
	A 19517	EPA-5 (D3 DUP)	W	"	3	" "	VOC				
	A 19518	EPA-5 (D2)	W	"	3	" "	VOC				
	A 19519	EPA-5 (D1)	W	"	3	" "	VOC				
	A 19520	EPA-5 (I2)	W	"	3	" "	VOC				
	A 19521	EPA-9 (D3)	W	"	3	" "	VOC				
	A 19523	EPA-9 (D2)	W	"	3	" "	VOC				
	A 19524	EPA-9 (D1)	W	"	3	" "	VOC				
	A 19525	EPA-9 (I2)	W	"	3	" "	VOC				
	A 19526	EPA-9 (I1	W	"	3	" "	VOC				

Matrix:

Air
-Animal Tissue
- Drum Liquids
- Drum Solids
V- Groundwater
Oil
-Product
-Plant Tissue

PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W-Water
X- Other

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
	[illegible]	12/16/04									

[redacted]C, E[redacted], NJ [redacted]
(732) 321-4200
EPA Contract 68-C99-223

CHAIN OF CUSTODY RECORD

Project Name: CAYUGA CO. WESTBAY
Project Number: C-024
LM Contact: Ken Wachal Phone:

No: 18683
Sheet 01 of 01 (Do not copy)
(for addnl. samples use new form)

Sample Identification | **Analyses Requested**

REAC#	Sample No	Sampling Location	Matrix	Date Collected	# of Bottles	Container/Preservative	VOC				
	A19527	EPA-2 (D3)	W	12/16/04	3	[illegible] 4°C	VOC				
	A19528	EPA-2 (D2)	"	"	"	" "	VOC				
	A19529	EPA-2 (D1)	"	"	"	" "	VOC				
	A19530	EPA-2 (I2)	"	"	"	" "	VOC				
	A19531	EPA-2 (I1)	"	"	"	" "	VOC				

Matrix:

A- Air
AT-Animal Tissue
DL- Drum Liquids
DS- Drum Solids
GW- Groundwater
O- Oil
PR-Product
PT-Plant Tissue
PW- Potable Water
S- Soil
SD- Sediment
SL- Sludge
SW- Surface Water
TX-TCLP Extract
W- Water
X- Other

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #:

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished by	Date	Received by	Date	Time
[illegible]	[illegible]	[illegible]									

☆ U.S. GPO: 2000-521-151