Shaw Environmental & Infrastructure, Inc.

92 North Avenue
New Rochelle, New York 10801
914.633.9324

Shaw The Shaw Group Inc.™

July 1, 2009

Mr. James Schreyer, Project Manager
NYS Department of Environmental Conservation
Region 3
21 South Putt Corners Road
New Paltz, New York 12561

JUL - 2 2009

Re: Semi-Annual Monitoring at the Taylor Lane Compost Site, Mamaroneck, NY
NYSDEC Site Number 360021

Dear Mr. Schreyer:

This report presents the results of environmental monitoring completed at the Taylor Lane Compost site in January and July 2008 and in February 2009. The monitoring was completed in accordance with the Post Closure Operation and Maintenance Plan for the Taylor Lane Compost Site prepared by EMCON/Wehran-New York, February 1998

FIELD PROGRAM

Groundwater Sampling

Six groundwater monitoring wells (MW-1D, MW-1S, MW-2D, MW-2S, MW-3D and MW-3S) were sampled. Historically the six wells were located within Taylor Lane. However, because of historical artesian conditions in several of the wells, the wellhead areas were often continuously wet and ponded water would freeze during the winter months. Accordingly, these wells were abandoned, and relocated off Taylor Lane and adjacent to the Landfill during March 2008.

Following each of the three sampling events the groundwater samples were shipped to Columbia Analytical Services in Rochester, NY and analyzed for metals (arsenic, cadmium, copper, lead, mercury, and zinc). In addition, MW-2S was analyzed for volatile organic compounds (VOCs) during the sampling events.

In addition to the laboratory analysis, the following field parameters were measured and recorded in the field: pH, temperature, conductivity, redox, and turbidity.

Summary tables for the analytical parameters and field data are provided in Attachment A. Laboratory reports are included in Attachment B.

Landfill Gas Vent and Bar Hole Monitoring

Landfill gas vent monitoring was also performed during the July 2008 and February 2009 sampling events. (Monitoring was not performed during the January 2008 event due to instrument malfunction). Gas Vents were monitored for percent combustible gas and total organic vapors. Bar hole monitoring was also conducted around the perimeter of the landfill in order to detect any migrating gases. These data are summarized in Attachment C.

RESULTS

Groundwater

The groundwater sampling results were evaluated relative to the New York State Department of Environmental Conservation Part 703 Groundwater Standards. Analytical results indicated that there was only one metal exceedance during the last three sampling rounds. Lead was detected slightly above the groundwater standard in MW-1S (26.5 ug/L versus a groundwater quality standard of 25 ug/L).

VOC detections during the last three sampling events in MW-2S indicate exceedances of MTBE and tertiary butyl alcohol which are components of petroleum and which may be attributable to the upgradient gas station at the corner of Boston Post Road and Taylor Lane. Vinyl chloride also exceeded groundwater standards. Trichloroethane (TCA) was detected in the last sampling event at a concentration of 25 ug/L compared to a groundwater quality standard of 5 ug/L .

Gas Vent and Bar Hole Monitoring Results

Gas vent monitoring results indicate higher methane readings from the gas vents in July 2008 relative to the February 2009 events. Bar hole sampling indicates very minimal methane migration from the landfill during the July 2008 and February 2009 sampling events. Most readings were at or near 0% with the exception of a detection of 10.8% at one location during the July 2008 event.

Please contact me at 914-633-9324 if you have any questions or require additional information.

Sincerely,

SHAW ENVIRONMENTAL, INC.

Michael Sherwood
Client Program Manager

Attachment A – Summary Tables for Analytical Parameters and Field Data
Attachment B – Laboratory Reports
Attachment C – Gas Vent and Bar Hole Monitoring Data

cc: Mr. Richard Slingerland, Village of Mamaroneck

ATTACHMENT A

SUMMARY TABLES FOR ANALYTICAL PARAMETERS AND FIELD DATA

Village of Mamaroneck
Taylor Lane Compost Site
Historically Detected
VOC Compounds in MW-2S
(concentration in ug/l)

Sampling Date	Analytical Parameters							
	Vinyl Chloride		1, 2-Dichloroethene		MTBE		Tert-Butyl-Alcohol	
Standard	2.0		5.0		10.0		20.0	
5/22/1997	4	J	2	J	-		-	
11/14/1997	21		3	J	-		-	
5/19/1998	17		3	J	-		-	
11/5/1998	14		3	J	-		-	
5/25/1999	13		2	J	-		-	
11/18/1999	6	J	10	U	-		-	
6/28/2000	7.8		1.6		-		-	
11/15/2000	5	U	5	U	-		-	
6/20/2001	7.6		1.2		190		-	
11/29/2001	2.5	U	0.5	U	82		270	
6/26/2002	1.6		1	U	50		130	
11/19/2002	5	U	5	U	56		210	
6/24/2003	3.3		0.5	U	270		0	
11/17/2003	1.2		0.5	U	250		120	
6/21/2004	0.96		0.5	U	380		90	
11/22/2004	0.64		0.5	U	380		200	
6/22/2005	7.7		1.1		16		23	
11/22/2005	4.1		0.5	U	61		90	
7/5/2006	6.4		0.6		63		110	
11/27/2006	4		0.5	U	70	E	110	
6/27/2007	2.5		0.5	U	93	E	250	
1/9/2008	2.2		0.5	U	74	E	350	
7/23/2008	2.8		0.5		12		37	
2/20/2009	1.3		0.5	U	16		43	

U - Compound not detected
J - Estimated value, less than detection limit
E - Concentrations exceed the calibration range

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Arsenic	5/22/1997	3.7 B	4.9 B	4.4 B	7.9 B	7.1 B	7.2 B
GW Standard 25.0 ug/L	11/14/1997	17.2	5.2 B	5.9 B	4.6 B	14.4	9.1 B
	5/19/1998	8.3 B	9.1 B	7.6 B	7.6 B	15.2	13.1
	11/5/1998	24.5	**34.2**	21.4	13.4	2.2 U	2.2 U
	5/25/1999	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U	6.8 U
	11/18/1999	2.9 U	2.9 U	2.9 U	2.9 U	7.8	2.9 U
	6/28/2000	2.9 U	2.9 U	2.9 U	2.9 U	3.6 B	2.9 U
	11/15/2000	11.2	10 U	10 U	10 U	10 U	10 U
	6/20/2001	3.5 U	3.5 U	3.5 U	3.5 U	6.87	3.5 U
	11/29/2001	10 U	10 U	10 U	10 U	10 U	10 U
	6/26/2002	10 U	10 U	10 U	10 U	10 U	10 U
	11/19/2002	10 U	10 U	10 U	10 U	10 U	10 U
	6/24/2003	10 U	10 U	10 U	10 U	10 U	10 U
	11/17/2003	10 U	10 U	10 U	10 U	10 U	10 U
	6/21/2004	10 U	10 U	10 U	10 U	10 U	10 U
	11/22/2004	10 U	10 U	10 U	10 U	10 U	10 U
	6/22/2005	10 U	10 U	10 U	10 U	10 U	10 U
	11/22/2005	10 U	10 U	10 U	10 U	10 U	10 U
	7/5/2006	10 U	10 U	10 U	10 U	10 U	10 U
	11/27/2006	10 U	10 U	10 U	10 U	22.6	10 U
	6/27/2007	10 U	10 U	10 U	10 U	10 U	21.9
	1/9/2008	10 U	10 U	10 U	10 U	10 U	10 U
	7/23/2008	19.9	10 U	10 U	10 U	11.6	10 U
	2/20/2009	12	10 U	10 U	10 U	10 U	10 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Cadmium	5/22/1997	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
GW Standard 5.0 ug/L	11/14/1997	3.3 B	0.6 U	1.2 B	0.85 B	2.8 B	1.9 B
	5/19/1998	0.81 B	0.2 B	0.67 B	0.36 B	1.3 B	2.6 B
	11/5/1998	1.1 B	0.75 U	0.87 B	1.2 B	4.2 B	0.75 U
	5/25/1999	1.4 B	0.57 U	0.57 U	0.57 U	0.57 U	4.9 B
	11/18/1999	2.8	0.34 U	2.1	0.34 U	4.8	1.6
	6/28/2000	1.1 B	0.22 U	1.4 B	0.22 U	1.1 B	0.22 U
	11/15/2000	5 U	5 U	5 U	5 U	5 U	5.1
	6/20/2001	3.21	2.33	4	0.85 U	4.54	0.85 U
	11/29/2001	5 U	5 U	5 U	5 U	5 U	5 U
	6/26/2002	5 U	5 U	5 U	5 U	5 U	5 U
	11/19/2002	5 U	5 U	5 U	5 U	5 U	5 U
	6/24/2003	5 U	5 U	5 U	5 U	5 U	5 U
	11/17/2003	5 U	5 U	5 U	5 U	5 U	5 U
	6/21/2004	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2004	5 U	5 U	5 U	5 U	5 U	5 U
	6/22/2005	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2005	5 U	5 U	5 U	5 U	5 U	5 U
	7/5/2006	5 U	5 U	5 U	5 U	5 U	5 U
	11/27/2006	5 U	5 U	5 U	5 U	**10.4**	5 U
	6/27/2007	5 U	5 U	5 U	5 U	5 U	5 U
	1/9/2008	5 U	5 U	5 U	5 U	5 U	5 U
	7/23/2008	5 U	5 U	5 U	5 U	5 U	5 U
	2/20/2009	5 U	5 U	5 U	5 U	5 U	5 U

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Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Copper	5/22/1997	5.7 B	3.6 B	19.9 B	1.7 U	18.8 B	14.5 B
GW Standard 200 ug/L	11/14/1997	46.5	13.1 B	34.2	7.7 B	74.3	35.3
	5/19/1998	9.3 B	3.7 B	5.7 B	4.5 B	26.8	12.3 B
	11/5/1998	8.3 B	16.6 B	13.9 B	77.4	15.5 B	85.8
	5/25/1999	6.8 B	21.4 B	7.2 B	18.5 B	9.4 B	17.5 B
	11/18/1999	21.8	23.1	103	7.6	**478**	22.1
	6/28/2000	3.7 U	15 B	36	3.7 U	**255**	3.7 U
	11/15/2000	87	38.4	20 U	20 U	43.2	20 U
	6/20/2001	10.3	17.7	145	17.1	**520**	16
	11/29/2001	20 U	20 U	25.9	20 U	**204**	20 U
	6/26/2002	20 U	23	20 U	20 U	20 U	20 U
	11/19/2002	20 U	40	47	20 U	20 U	20 U
	6/24/2003	20 U	20 U	20 U	20 U	20 U	20 U
	11/17/2003	20 U	20 U	20 U	20 U	20 U	20 U
	6/21/2004	20 U	20 U	20 U	20 U	27.4	20 U
	11/22/2004	20 U	20 U	20 U	20 U	56	20 U
	6/22/2005	20 U	20 U	20 U	20 U	20 U	20 U
	11/22/2005	20 U	31.2	20 U	20 U	20 U	20 U
	7/5/2006	20 U	20 U	20 U	20 U	26	20 U
	11/27/2006	21.6	64.1	28.5	20 U	38.7	20 U
	6/27/2007	20 U	20 U	20 U	20 U	20 U	106
	1/9/2008	51.8	37.5	20 U	20 U	74.5	20 U
	7/23/2008	20 U	20 U	20 U	20 U	20 U	20 U
	2/20/2009	20 U	20 U	20 U	20 U	20 U	20 U

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Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Lead	5/22/1997	1.1 U	1.1 U	4.4	1.1 U	12.7	21.2
GW Standard 25 ug/L	11/14/1997	2.4 B	0.7 U	2.9 B	0.7 U	**36.1**	18.2
	5/19/1998	1.4 B	0.7 U	0.81 B	0.7 U	14.6	16.6
	11/5/1998	1.8 U	1.8 U	1.8 U	1.8 U	6.1	23.5
	5/25/1999	1.8 U	1.8 U	1.8 U	1.8 U	13	12.7
	11/18/1999	0.99 U	0.99 U	21	0.99 U	**68**	3.6
	6/28/2000	2.3 U	**44.4**	7.2	2.3 U	**98.5**	17.5
	11/15/2000	5 U	**91.8**	8.05	5 U	22.5	19.6
	6/20/2001	1.69	**37.9**	**45.2**	5.13	**62.3**	7.28
	11/29/2001	5 U	5 U	5 U	5 U	21.5	5 U
	6/26/2002	5 U	5 U	5.88	5 U	5 U	5 U
	11/19/2002	5 U	5.64	13.2	5 U	5.07	5 U
	6/24/2003	5 U	5 U	5 U	5 U	6.81	5 U
	11/17/2003	5 U	5 U	5 U	5 U	21.5	5 U
	6/21/2004	5 U	5 U	5 U	5 U	17.8	5 U
	11/22/2004	5 U	5 U	5 U	5 U	10.1	12.4
	6/22/2005	5 U	5 U	5 U	5 U	5 U	5 U
	11/22/2005	5 U	10.7	5 U	5 U	11.3	5.58
	7/5/2006	5 U	5 U	5 U	5 U	6	5 U
	11/27/2006	5 U	13.2	11.7	5 U	**54.2**	7.3
	11/27/2006	5 U	13.2	11.7	5 U	**54.2**	7.3
	6/27/2007	5 U	5 U	5 U	5 U	5 U	**72.5**
	1/9/2008	6.7	11	6.7	5 U	5.9	11.5
	7/23/2008	26.5	6.5	10.5	10.4	16.1	5 U
	2/20/2009	5.7	5 U	5 U	5 U	5 U	5 U

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Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Mercury	5/22/1997	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
GW Standard 0.7 ug/L	11/14/1997	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	5/19/1998	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	11/5/1998	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
	5/25/1999	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
	11/18/1999	0.04 U	0.04 U	0.09	0.04 U	0.27	0.04 U
	6/28/2000	0.05 B	0.01 U	0.02 B	0.01 U	0.34	0.04 B
	11/15/2000	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
	6/20/2001	0.03 U	0.03 U	0.03 U	0.03 U	0.28	0.03 U
	11/29/2001	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	6/26/2002	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/19/2002	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	6/24/2003	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/17/2003	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	6/21/2004	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/22/2004	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	6/22/2005	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/22/2005	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	7/5/2006	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/27/2006	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	11/27/2006	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	1/9/2008	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	7/23/2008	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
	2/20/2009	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U

U - Analyte was analyzed for, but not detected

B - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL).

Village of Mamaroneck
Taylor Lane Compost Site
Summary of Analytical Parameters
(Concentrations in ug/l)

Analytical Parameter	Sampling Date	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D
Zinc	5/22/1997	20	17.2 B	31.3	12.6 B	83.7	931
GW Standard 2,000 ug/L	11/14/1997	74.2	37	75	10.6 B	102	514
	5/19/1998	130	12.7 B	23.7	10.6	48.7	806
	11/5/1998	13.9 B	27.9	23.3	51.4	29.9	659
	5/25/1999	15 B	36.7	16.2 B	8.8	21.8	558
	11/18/1999	26.8	38	95.6	20.4	102	101
	6/28/2000	7.9 B	104	202	21.3	432	941
	11/15/2000	20 U	1650	52.8	26.8	122	**2040**
	6/20/2001	25	630	274	72.6	314	246
	11/29/2001	20 U	29.5	23.1	20 U	56.5	56.4
	6/26/2002	20 U	28.2	76.8	20 U	20 U	20 U
	11/19/2002	20 U	69.6	65.2	20 U	20 U	20 U
	6/24/2003	20 U	20 U	20 U	42.9	20 U	20 U
	11/17/2003	20 U	20 U	20 U	55.5	38.6	20 U
	6/21/2004	21	20 U	20 U	55.5	45.7	20 U
	11/22/2004	20 U	20 U	20 U	20 U	113	20 U
	6/22/2005	20 U	20 U	20 U	20 U	113	20 U
	11/22/2005	20.5	144	32.9	20 U	33.3	58.6
	7/5/2006	25	51	20 U	20 U	20 U	20 U
	11/27/2006	23.3	352	84.7	20 U	64.4	65.5
	6/27/2007	20 U	20 U	20 U	20 U	20 U	1150
	1/9/2008	138	343	31.7	20 U	45.6	148
	7/23/2008	38.9	20 U	29.7	20 U	69.5	61.4
	2/20/2009	20 U	20 U	20 U	20 U	45	44

U - Analyte was analyzed for, but not detected

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ATTACHMENT B

LABORATORY REPORTS

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

January 25, 2008

Mr. Steven Goldberg
Shaw E & I, Inc.
4 Commerce Drive South
Harriman, NY 10926

PROJECT:MAMARONECK - TAYLOR'S LANE
Submission #:R2841698

Dear Mr. Goldberg

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K. Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services, Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	: Shaw E & I, Inc.
Project Reference	: MAMARONECK - TAYLOR'S LANE
Lab Submission #	: R2841698
Project Manager	: Michael Perry
Reported	: 01/25/08

Report Contains a total of 41 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael C. Perry

CASE NARRATIVE

COMPANY: Shaw E & I
PROJECT: Mamaroneck – Taylor's Lane
SUBMISSION #: R2741698

Water samples were collected on 1/09/08 and were received at CAS on 1/10/08 in good conditions at a cooler temperature of 2 °C, respectfully. See CAS Case Narrative for a cross-reference between Client ID and CAS Job #.

INORGANIC ANALYSIS

Six samples were analyzed for a site list of total metals by EPA methods 200.7/245.1. Water sample MW-14C was analyzed for Oil & Grease by EPA method 1664A, Total Cyanide by EPA method 335.2, Total Phenolics by EPA method 420.2 and Hexavalent Chromium by EPA method 7196A.

The Hexavalent Chromium sample was received outside the 24 hour holding time and analysed as soon as possible.

All blank spike recoveries (LCS) were within QC limits of 80 – 120 %.

No other analytical or QC problems were encountered.

VOLATILE ORGANICS

Sample MW-14C was analyzed for the PPL list of Volatile Organics by EPA method 624. Sample MW-2S was analyzed for the DW list of Volatile Organics by EPA method 524.2.

Sample MW-2S was re-analyzed at a higher dilution to bring target analytes within the calibration range of the method. Both dilutions were reported with analytes over the calibration range flagged with an "E".

All Tuning criteria for BFB were within QC limits.

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

All Internal Standard Areas were within QC limits.

All surrogate standard recoveries were within acceptance limits for all samples.

All Blank Spike recoveries (LCS) were within QC limits.

All samples were analyzed within the 14 days holding time as specified in the method.

No other analytical or QC problems were encountered.

EXTRACTABLE ORGANICS ANALYSIS

Water sample MW-14C was analyzed for Total Pesticides/PCBs by EPA method 608 and Semivolatile organics by EPA method 625.

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

All surrogate standard recoveries were within acceptance limits for all samples.

All Blank Spike recoveries (LCS) were within QC limits.

All samples were analyzed within the holding time as specified in the method.

No other analytical or QC problems were encountered.

Columbia Analytical Services, Inc.

This report contains analytical results for the following samples:

Submission #: R2841698

Lab ID	Client ID
1068108	MW-14S
1068111	MW-1S
1068112	MW-1D
1068113	MW-2S
1068114	MW-2D
1068115	MW-3S
1068116	MW-3D

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

2005 SEAL OF EXCELLENCE PROGRAM

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).

Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

Columbia Analytical Services INC.
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Service Quality Ethics Environmental
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2005 SEAL OF EXCELLENCE PROGRAM

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because the serial dilution did not meet criteria.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

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Illinois ID #200047
Maine ID #NY0032
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New York ID # 10145
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Pennsylvania ID # 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 **Order #:** 1068108 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	TIME ANALYZED	DILUTION
HEXAVALENT CHROMIUM	7196A	0.0100	0.0100 U	MG/L	01/10/08	13:54	1.0
OIL AND GREASE	1664A	5.00	5.25 U	MG/L	01/22/08	09:30	1.1
TOTAL CYANIDE	335.4	0.0100	0.0100 U	MG/L	01/15/08	09:51	1.0
TOTAL PHENOLICS	420.2	0.00500	0.00500 U	MG/L	01/17/08	09:35	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 Order #: 1068108 Sample Matrix: WATER
Date Received: 01/10/08 Submission #: R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0100 U	MG/L	01/15/08	1.0
BARIUM	200.7	0.0200	1.07	MG/L	01/15/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	01/15/08	1.0
CHROMIUM	200.7	0.0100	0.0147	MG/L	01/15/08	1.0
COPPER	200.7	0.0200	0.0562	MG/L	01/15/08	1.0
LEAD	200.7	0.00500	0.307	MG/L	01/15/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	01/11/08	1.0
NICKEL	200.7	0.0400	0.0400 U	MG/L	01/15/08	1.0
SELENIUM	200.7	0.0100	0.0100 U	MG/L	01/15/08	1.0
SILVER	200.7	0.0100	0.0100 U	MG/L	01/15/08	1.0
ZINC	200.7	0.0200	0.135	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 624 PRIORITY POLLUTANTS
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 **Order #:** 1068108 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 155913

DATE ANALYZED : 01/11/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACROLEIN	10	10 U	UG/L
ACRYLONITRILE	10	10 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
2-CHLOROETHYLVINYL ETHER	10	10 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
TRICHLOROFLUOROMETHANE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(77 - 117 %)	94	%
1,2-DICHLOROETHANE-D4	(85 - 122 %)	107	%
TOLUENE-D8	(85 - 115 %)	101	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 625 PPL SEMIVOLATILES
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 **Order #:** 1068108 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 155789

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/16/08			
ANALYTICAL DILUTION: 0.98			
ACENAPHTHENE	5.0	4.9 U	UG/L
ACENAPHTHYLENE	5.0	4.9 U	UG/L
ANTHRACENE	5.0	4.9 U	UG/L
BENZIDINE	100	98 U	UG/L
BENZO(A)ANTHRACENE	5.0	4.9 U	UG/L
BENZO(A)PYRENE	5.0	4.9 U	UG/L
BENZO(B)FLUORANTHENE	5.0	4.9 U	UG/L
BENZO(G,H,I)PERYLENE	5.0	4.9 U	UG/L
BENZO(K)FLUORANTHENE	5.0	4.9 U	UG/L
BUTYL BENZYL PHTHALATE	5.0	4.9 U	UG/L
DI-N-BUTYLPHTHALATE	5.0	4.9 U	UG/L
INDENO(1,2,3-CD)PYRENE	5.0	4.9 U	UG/L
BIS(-2-CHLOROETHOXY)METHANE	5.0	4.9 U	UG/L
BIS(2-CHLOROETHYL)ETHER	5.0	4.9 U	UG/L
2-CHLORONAPHTHALENE	5.0	4.9 U	UG/L
2-CHLOROPHENOL	5.0	4.9 U	UG/L
2,2'-OXYBIS(1-CHLOROPROPANE)	5.0	4.9 U	UG/L
CHRYSENE	5.0	4.9 U	UG/L
DIBENZO(A,H)ANTHRACENE	5.0	4.9 U	UG/L
1,3-DICHLOROBENZENE	5.0	4.9 U	UG/L
1,2-DICHLOROBENZENE	5.0	4.9 U	UG/L
1,4-DICHLOROBENZENE	5.0	4.9 U	UG/L
3,3'-DICHLOROBENZIDINE	5.0	4.9 U	UG/L
2,4-DICHLOROPHENOL	5.0	4.9 U	UG/L
DIETHYLPHTHALATE	5.0	4.9 U	UG/L
DIMETHYL PHTHALATE	5.0	4.9 U	UG/L
2,4-DIMETHYLPHENOL	5.0	4.9 U	UG/L
2,4-DINITROPHENOL	50	49 U	UG/L
2,4-DINITROTOLUENE	5.0	4.9 U	UG/L
2,6-DINITROTOLUENE	5.0	4.9 U	UG/L
1,2-DIPHENYLHYDRAZINE	5.0	4.9 U	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	5.0	4.9 U	UG/L
FLUORANTHENE	5.0	4.9 U	UG/L
FLUORENE	5.0	4.9 U	UG/L
HEXACHLOROBENZENE	5.0	4.9 U	UG/L
HEXACHLOROBUTADIENE	5.0	4.9 U	UG/L
HEXACHLOROCYCLOPENTADIENE	5.0	4.9 U	UG/L
HEXACHLOROETHANE	5.0	4.9 U	UG/L
ISOPHORONE	50	49 U	UG/L
4,6-DINITRO-2-METHYLPHENOL	5.0	4.9 U	UG/L
4-CHLORO-3-METHYLPHENOL	5.0	4.9 U	UG/L
NAPHTHALENE	5.0	4.9 U	UG/L
NITROBENZENE			

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 625 PPL SEMIVOLATILES
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 **Order #:** 1068108 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 155789

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/16/08			
ANALYTICAL DILUTION: 0.98			
2-NITROPHENOL	5.0	4.9 U	UG/L
4-NITROPHENOL	50	49 U	UG/L
N-NITROSODIMETHYLAMINE	5.0	4.9 U	UG/L
N-NITROSODIPHENYLAMINE	5.0	4.9 U	UG/L
DI-N-OCTYL PHTHALATE	5.0	4.9 U	UG/L
PENTACHLOROPHENOL	50	49 U	UG/L
PHENANTHRENE	5.0	4.9 U	UG/L
PHENOL	5.0	4.9 U	UG/L
4-BROMOPHENYL-PHENYLETHER	5.0	4.9 U	UG/L
4-CHLOROPHENYL-PHENYLETHER	5.0	4.9 U	UG/L
N-NITROSO-DI-N-PROPYLAMINE	5.0	4.9 U	UG/L
PYRENE	5.0	4.9 U	UG/L
1,2,4-TRICHLOROBENZENE	5.0	4.9 U	UG/L
2,4,6-TRICHLOROPHENOL	5.0	4.9 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(45 - 135 %)	85	%
NITROBENZENE-d5	(41 - 129 %)	79	%
PHENOL-d6	(15 - 58 %)	32	%
2-FLUOROBIPHENYL	(51 - 111 %)	79	%
2-FLUOROPHENOL	(27 - 78 %)	47	%
2,4,6-TRIBROMOPHENOL	(44 - 146 %)	102	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 608 PESTICIDE
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 **Order #:** 1068108 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 155780

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/14/08			
ANALYTICAL DILUTION: 1.00			
ALDRIN	0.055	0.055 U	UG/L
ALPHA-BHC	0.055	0.055 U	UG/L
BETA-BHC	0.055	0.055 U	UG/L
GAMMA-BHC	0.055	0.055 U	UG/L
DELTA-BHC	0.055	0.055 U	UG/L
CHLORDANE	0.27	0.27 U	UG/L
4,4'-DDE	0.11	0.11 U	UG/L
4,4'-DDT	0.11	0.11 U	UG/L
DIELDRIN	0.11	0.11 U	UG/L
ALPHA-ENDOSULFAN	0.055	0.055 U	UG/L
BETA-ENDOSULFAN	0.11	0.11 U	UG/L
ENDOSULFAN SULFATE	0.11	0.11 U	UG/L
ENDRIN	0.11	0.11 U	UG/L
ENDRIN ALDEHYDE	0.11	0.11 U	UG/L
HEPTACHLOR	0.059	0.059 U	UG/L
HEPTACHLOR EPOXIDE	0.055	0.055 U	UG/L
4,4'-TDE (DDD)	0.11	0.11 U	UG/L
TOXAPHENE	1.1	1.1 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(13 - 144 %)	59	%
TETRACHLORO-META-XYLENE	(21 - 115 %)	72	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 608 PCB'S
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-14S

Date Sampled : 01/09/08 08:16 **Order #:** 1068108 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 155720

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/11/08			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.1	1.1 U	UG/L
PCB 1221	2.2	2.2 U	UG/L
PCB 1232	1.1	1.1 U	UG/L
PCB 1242	1.1	1.1 U	UG/L
PCB 1248	1.1	1.1 U	UG/L
PCB 1254	1.1	1.1 U	UG/L
PCB 1260	1.1	1.1 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(13 - 144 %)	65	%
TETRACHLORO-META-XYLENE	(21 - 115 %)	86	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-1S

Date Sampled : 01/09/08 09:00 **Order #:** 1068111 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	01/15/08	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
COPPER	6010B	0.0200	0.0518	MG/L	01/15/08	1.0
LEAD	6010B	0.00500	0.0167	MG/L	01/15/08	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	01/11/08	1.0
ZINC	6010B	0.0200	0.138	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-1D

Date Sampled : 01/09/08 09:15 **Order #:** 1068112 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	01/15/08	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
COPPER	6010B	0.0200	0.0375	MG/L	01/15/08	1.0
LEAD	6010B	0.00500	0.0110	MG/L	01/15/08	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	01/11/08	1.0
ZINC	6010B	0.0200	0.343	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 01/09/08 10:00 **Order #:** 1068113 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	01/15/08	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	01/15/08	1.0
LEAD	6010B	0.00500	0.00670	MG/L	01/15/08	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	01/11/08	1.0
ZINC	6010B	0.0200	0.0317	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 01/09/08 10:00 **Order #:** 1068113 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 156214

DATE ANALYZED : 01/16/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	0.50 U	UG/L
BROMOBENZENE	0.50	0.50 U	UG/L
BROMOCHLOROMETHANE	0.50	0.50 U	UG/L
BROMODICHLOROMETHANE	0.50	0.50 U	UG/L
BROMOFORM	0.50	0.50 U	UG/L
BROMOMETHANE	0.50	0.50 U	UG/L
TERT-BUTYL ALCOHOL	20	350	UG/L
METHYL-TERT-BUTYL ETHER	0.50	74 E	UG/L
TERT-BUTYLBENZENE	0.50	0.50 U	UG/L
SEC-BUTYLBENZENE	0.50	0.50 U	UG/L
N-BUTYLBENZENE	0.50	0.50 U	UG/L
CARBON TETRACHLORIDE	0.50	0.50 U	UG/L
CHLOROBENZENE	0.50	0.50 U	UG/L
CHLOROETHANE	0.50	0.50 U	UG/L
CHLOROFORM	0.50	0.50 U	UG/L
CHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	0.50 U	UG/L
2-CHLOROTOLUENE	0.50	0.50 U	UG/L
4-CHLOROTOLUENE	0.50	0.50 U	UG/L
DIBROMOCHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMOETHANE	0.50	0.50 U	UG/L
DIBROMOMETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,4-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,3-DICHLOROBENZENE	0.50	0.50 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHENE	0.50	0.50 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
2,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,3-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,1-DICHLOROPROPENE	0.50	0.50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
ETHYLBENZENE	0.50	0.50 U	UG/L
HEXACHLOROBUTADIENE	0.50	0.50 U	UG/L
ISOPROPYLBENZENE	0.50	0.50 U	UG/L
P-ISOPROPYLTOLUENE	0.50	0.50 U	UG/L
METHYLENE CHLORIDE	0.50	0.50 U	UG/L
NAPHTHALENE	0.50	0.50 U	UG/L
N-PROPYLBENZENE	0.50	0.50 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 01/09/08 10:00 **Order #:** 1068113 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 156214

DATE ANALYZED : 01/16/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
STYRENE	0.50	0.50 U	UG/L
1,1,1,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
TETRACHLOROETHENE	0.50	0.50 U	UG/L
TOLUENE	0.50	0.50 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	0.50 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	0.50 U	UG/L
TRICHLOROETHENE	0.50	0.50 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	0.50 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
VINYL CHLORIDE	0.50	2.2	UG/L
M+P-XYLENE	0.50	0.50 U	UG/L
O-XYLENE	0.50	0.50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(70 - 130 %)	100	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	103	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 01/09/08 10:00 **Order #:** 1068113 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 156214

DATE ANALYZED : 01/16/08
ANALYTICAL DILUTION: 5.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	2.5 U	UG/L
BROMOBENZENE	0.50	2.5 U	UG/L
BROMOCHLOROMETHANE	0.50	2.5 U	UG/L
BROMODICHLOROMETHANE	0.50	2.5 U	UG/L
BROMOFORM	0.50	2.5 U	UG/L
BROMOMETHANE	0.50	2.5 U	UG/L
TERT-BUTYL ALCOHOL	20	410	UG/L
METHYL-TERT-BUTYL ETHER	0.50	76 D	UG/L
TERT-BUTYLBENZENE	0.50	2.5 U	UG/L
SEC-BUTYLBENZENE	0.50	2.5 U	UG/L
N-BUTYLBENZENE	0.50	2.5 U	UG/L
CARBON TETRACHLORIDE	0.50	2.5 U	UG/L
CHLOROBENZENE	0.50	2.5 U	UG/L
CHLOROETHANE	0.50	2.5 U	UG/L
CHLOROFORM	0.50	2.5 U	UG/L
CHLOROMETHANE	0.50	2.5 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	2.5 U	UG/L
2-CHLOROTOLUENE	0.50	2.5 U	UG/L
4-CHLOROTOLUENE	0.50	2.5 U	UG/L
DIBROMOCHLOROMETHANE	0.50	2.5 U	UG/L
1,2-DIBROMOETHANE	0.50	2.5 U	UG/L
DIBROMOMETHANE	0.50	2.5 U	UG/L
1,2-DICHLOROBENZENE	0.50	2.5 U	UG/L
1,4-DICHLOROBENZENE	0.50	2.5 U	UG/L
1,3-DICHLOROBENZENE	0.50	2.5 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	2.5 U	UG/L
1,1-DICHLOROETHANE	0.50	2.5 U	UG/L
1,2-DICHLOROETHANE	0.50	2.5 U	UG/L
1,1-DICHLOROETHENE	0.50	2.5 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	2.5 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	2.5 U	UG/L
2,2-DICHLOROPROPANE	0.50	2.5 U	UG/L
1,2-DICHLOROPROPANE	0.50	2.5 U	UG/L
1,3-DICHLOROPROPANE	0.50	2.5 U	UG/L
1,1-DICHLOROPROPENE	0.50	2.5 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	2.5 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	2.5 U	UG/L
ETHYLBENZENE	0.50	2.5 U	UG/L
HEXACHLOROBUTADIENE	0.50	2.5 U	UG/L
ISOPROPYLBENZENE	0.50	2.5 U	UG/L
P-ISOPROPYLTOLUENE	0.50	2.5 U	UG/L
METHYLENE CHLORIDE	0.50	2.5 U	UG/L
NAPHTHALENE	0.50	2.5 U	UG/L
N-PROPYLBENZENE	0.50	2.5 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 01/09/08 10:00 **Order #:** 1068113 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698 **Analytical Run** 156214

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/16/08			
ANALYTICAL DILUTION: 5.00			
STYRENE	0.50	2.5 U	UG/L
1,1,1,2-TETRACHLOROETHANE	0.50	2.5 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	2.5 U	UG/L
TETRACHLOROETHENE	0.50	2.5 U	UG/L
TOLUENE	0.50	2.5 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	2.5 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	2.5 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	2.5 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	2.5 U	UG/L
TRICHLOROETHENE	0.50	2.5 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	2.5 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	2.5 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	2.5 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	2.5 U	UG/L
VINYL CHLORIDE	0.50	2.5 U	UG/L
M+P-XYLENE	0.50	2.5 U	UG/L
O-XYLENE	0.50	2.5 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(70 - 130 %)	86	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	101	%

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2D

Date Sampled : 01/09/08 09:45 **Order #:** 1068114 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	01/15/08	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	01/15/08	1.0
LEAD	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	01/11/08	1.0
ZINC	6010B	0.0200	0.0200 U	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-3S

Date Sampled : 01/09/08 10:15 **Order #:** 1068115 **Sample Matrix:** WATER
Date Received: 01/10/08 **Submission #:** R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	01/15/08	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
COPPER	6010B	0.0200	0.0745	MG/L	01/15/08	1.0
LEAD	6010B	0.00500	0.00590	MG/L	01/15/08	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	01/11/08	1.0
ZINC	6010B	0.0200	0.0456	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 01/25/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-3D

Date Sampled : 01/09/08 10:30 Order #: 1068116 Sample Matrix: WATER
Date Received: 01/10/08 Submission #: R2841698

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	6010B	0.0100	0.0100 U	MG/L	01/15/08	1.0
CADMIUM	6010B	0.00500	0.00500 U	MG/L	01/15/08	1.0
COPPER	6010B	0.0200	0.0200 U	MG/L	01/15/08	1.0
LEAD	6010B	0.00500	0.0115	MG/L	01/15/08	1.0
MERCURY	7470A	0.000300	0.000300 U	MG/L	01/11/08	1.0
ZINC	6010B	0.0200	0.148	MG/L	01/15/08	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2841698
Client: Shaw E & I, Inc.
MAMARONECK - TAYLOR'S LANE

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
MERCURY	0.000300 U	0.00114	0.00100	114	85 - 115	155724	MG/L
ARSENIC	0.0100 U	0.0381	0.0400	95	85 - 115	155948	MG/L
BARIUM	0.0200 U	1.95	2.00	98	85 - 115	155948	MG/L
CADMIUM	0.00500 U	0.0480	0.0500	96	85 - 115	155948	MG/L
CHROMIUM	0.0100 U	0.196	0.200	98	85 - 115	155948	MG/L
COPPER	0.0200 U	0.258	0.250	103	85 - 115	155948	MG/L
LEAD	0.00500 U	0.504	0.500	101	85 - 115	155948	MG/L
NICKEL	0.0400 U	0.499	0.500	100	85 - 115	155948	MG/L
SELENIUM	0.0100 U	0.916	1.01	91	85 - 115	155948	MG/L
SILVER	0.0100 U	0.0490	0.0500	98	85 - 115	155948	MG/L

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2841698
Client: Shaw E & I, Inc.
MAMARONECK - TAYLOR'S LANE

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
ZINC	0.0200 U	0.487	0.500	97	85 - 115	155948	MG/L
ARSENIC	0.0100 U	0.0381	0.0400	95	80 - 120	155949	MG/L
CADMIUM	0.00500 U	0.0480	0.0500	96	80 - 120	155949	MG/L
COPPER	0.0200 U	0.258	0.250	103	80 - 120	155949	MG/L
LEAD	0.00500 U	0.504	0.500	101	80 - 120	155949	MG/L
ZINC	0.0200 U	0.487	0.500	97	80 - 120	155949	MG/L
TOTAL CYANIDE	0.0100 U	0.397	0.400	99	90 - 110	155747	MG/L
TOTAL PHENOLICS	0.00500 U	0.0402	0.0400	101	85 - 113	155924	MG/L
OIL AND GREASE	5.00 U	38.4	40.9	94	78 - 114	156149	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 624 PRIORITY POLLUTANTS

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1070493 ANALYTICAL RUN # : 155913

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/11/08			
ANALYTICAL DILUTION: 1.0			
ACROLEIN	100	82	36 - 124
ACRYLONITRILE	100	109	71 - 111
BENZENE	20.0	100	37 - 151
BROMODICHLOROMETHANE	20.0	103	35 - 155
BROMOFORM	20.0	115	45 - 169
BROMOMETHANE	20.0	94	D - 242
CARBON TETRACHLORIDE	20.0	112	70 - 140
CHLOROBENZENE	20.0	98	37 - 160
CHLOROETHANE	20.0	96	14 - 230
2-CHLOROETHYLVINYL ETHER	20.0	118	D - 305
CHLOROFORM	20.0	102	51 - 138
CHLOROMETHANE	20.0	101	D - 273
DIBROMOCHLOROMETHANE	20.0	110	53 - 149
1,1-DICHLOROETHANE	20.0	101	59 - 155
1,2-DICHLOROETHANE	20.0	106	49 - 155
1,1-DICHLOROETHENE	20.0	97	D - 234
TRANS-1,2-DICHLOROETHENE	20.0	111	54 - 156
CIS-1,2-DICHLOROETHENE	20.0	93	70 - 130
1,2-DICHLOROPROPANE	20.0	96	D - 210
CIS-1,3-DICHLOROPROPENE	20.0	125	D - 227
TRANS-1,3-DICHLOROPROPENE	20.0	126	17 - 183
ETHYLBENZENE	20.0	105	37 - 162
METHYLENE CHLORIDE	20.0	94	D - 221
1,1,2,2-TETRACHLOROETHANE	20.0	105	46 - 157
TETRACHLOROETHENE	20.0	104	64 - 148
TOLUENE	20.0	102	47 - 150
1,1,1-TRICHLOROETHANE	20.0	108	52 - 162
1,1,2-TRICHLOROETHANE	20.0	107	52 - 150
TRICHLOROETHENE	20.0	104	71 - 157
TRICHLOROFLUOROMETHANE	20.0	113	17 - 181
VINYL CHLORIDE	20.0	100	D - 251

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 624 PRIORITY POLLUTANTS
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 1070491
Submission #:
Sample Matrix: WATER
Analytical Run 155913

DATE ANALYZED : 01/11/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
ACROLEIN	10	10 U	UG/L
ACRYLONITRILE	10	10 U	UG/L
BENZENE	1.0	1.0 U	UG/L
BROMODICHLOROMETHANE	1.0	1.0 U	UG/L
BROMOFORM	1.0	1.0 U	UG/L
BROMOMETHANE	1.0	1.0 U	UG/L
CARBON TETRACHLORIDE	1.0	1.0 U	UG/L
CHLOROBENZENE	1.0	1.0 U	UG/L
CHLOROETHANE	1.0	1.0 U	UG/L
2-CHLOROETHYLVINYL ETHER	10	10 U	UG/L
CHLOROFORM	1.0	1.0 U	UG/L
CHLOROMETHANE	1.0	1.0 U	UG/L
DIBROMOCHLOROMETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHANE	1.0	1.0 U	UG/L
1,2-DICHLOROETHANE	1.0	1.0 U	UG/L
1,1-DICHLOROETHENE	1.0	1.0 U	UG/L
TRANS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
CIS-1,2-DICHLOROETHENE	1.0	1.0 U	UG/L
1,2-DICHLOROPROPANE	1.0	1.0 U	UG/L
CIS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
TRANS-1,3-DICHLOROPROPENE	1.0	1.0 U	UG/L
ETHYLBENZENE	1.0	1.0 U	UG/L
METHYLENE CHLORIDE	1.0	1.0 U	UG/L
1,1,2,2-TETRACHLOROETHANE	1.0	1.0 U	UG/L
TETRACHLOROETHENE	1.0	1.0 U	UG/L
TOLUENE	1.0	1.0 U	UG/L
1,1,1-TRICHLOROETHANE	1.0	1.0 U	UG/L
1,1,2-TRICHLOROETHANE	1.0	1.0 U	UG/L
TRICHLOROETHENE	1.0	1.0 U	UG/L
TRICHLOROFLUOROMETHANE	1.0	1.0 U	UG/L
VINYL CHLORIDE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
4-BROMOFLUOROBENZENE	(77 - 117 %)	92	%
1,2-DICHLOROETHANE-D4	(85 - 122 %)	104	%
TOLUENE-D8	(85 - 115 %)	99	%

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1071123 ANALYTICAL RUN # : 156214

DATE ANALYZED : 01/16/08
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
BENZENE	2.00	107	70 - 130
BROMOBENZENE	2.00	107	70 - 130
BROMOCHLOROMETHANE	2.00	103	70 - 130
BROMODICHLOROMETHANE	2.00	107	70 - 130
BROMOFORM	2.00	106	70 - 130
BROMOMETHANE	2.00	109	70 - 130
TERT-BUTYL ALCOHOL	40.0	101	70 - 130
METHYL-TERT-BUTYL ETHER	2.00	102	70 - 130
TERT-BUTYLBENZENE	2.00	107	70 - 130
SEC-BUTYLBENZENE	2.00	108	70 - 130
N-BUTYLBENZENE	2.00	106	70 - 130
CARBON TETRACHLORIDE	2.00	116	70 - 130
CHLOROBENZENE	2.00	104	70 - 130
CHLOROETHANE	2.00	106	70 - 130
CHLOROFORM	2.00	105	70 - 130
CHLOROMETHANE	2.00	106	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	2.00	98	70 - 130
2-CHLOROTOLUENE	2.00	105	70 - 130
4-CHLOROTOLUENE	2.00	104	70 - 130
DIBROMOCHLOROMETHANE	2.00	108	70 - 130
1,2-DIBROMOETHANE	2.00	101	70 - 130
DIBROMOMETHANE	2.00	96	70 - 130
1,2-DICHLOROBENZENE	2.00	110	70 - 130
1,4-DICHLOROBENZENE	2.00	104	70 - 130
1,3-DICHLOROBENZENE	2.00	109	70 - 130
DICHLORODIFLUOROMETHANE	2.00	107	70 - 130
1,1-DICHLOROETHANE	2.00	106	70 - 130
1,2-DICHLOROETHANE	2.00	110	70 - 130
1,1-DICHLOROETHENE	2.00	106	70 - 130
TRANS-1,2-DICHLOROETHENE	2.00	107	70 - 130
CIS-1,2-DICHLOROETHENE	2.00	107	70 - 130
2,2-DICHLOROPROPANE	2.00	109	70 - 130
1,2-DICHLOROPROPANE	2.00	105	70 - 130
1,3-DICHLOROPROPANE	2.00	103	70 - 130
1,1-DICHLOROPROPENE	2.00	106	70 - 130
TRANS-1,3-DICHLOROPROPENE	2.00	105	70 - 130
CIS-1,3-DICHLOROPROPENE	2.00	108	70 - 130
ETHYLBENZENE	2.00	102	70 - 130
HEXACHLOROBUTADIENE	2.00	106	70 - 130
ISOPROPYLBENZENE	2.00	108	70 - 130
P-ISOPROPYLTOLUENE	2.00	106	70 - 130

OLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1071123 ANALYTICAL RUN # : 156214

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
DATE ANALYZED : 01/16/08			
ANALYTICAL DILUTION: 1.0			
METHYLENE CHLORIDE	2.00	102	70 - 130
NAPHTHALENE	2.00	100	70 - 130
N-PROPYLBENZENE	2.00	111	70 - 130
STYRENE	2.00	107	70 - 130
1,1,1,2-TETRACHLOROETHANE	2.00	103	70 - 130
1,1,2,2-TETRACHLOROETHANE	2.00	102	70 - 130
TETRACHLOROETHENE	2.00	111	70 - 130
TOLUENE	2.00	104	70 - 130
1,2,4-TRICHLOROBENZENE	2.00	98	70 - 130
1,2,3-TRICHLOROBENZENE	2.00	101	70 - 130
1,1,1-TRICHLOROETHANE	2.00	108	70 - 130
1,1,2-TRICHLOROETHANE	2.00	101	70 - 130
TRICHLOROETHENE	2.00	108	70 - 130
TRICHLOROFLUOROMETHANE	2.00	114	70 - 130
1,2,3-TRICHLOROPROPANE	2.00	107	70 - 130
1,3,5-TRIMETHYLBENZENE	2.00	106	70 - 130
1,2,4-TRIMETHYLBENZENE	2.00	105	70 - 130
VINYL CHLORIDE	2.00	107	70 - 130
M+P-XYLENE	4.00	113	70 - 130
O-XYLENE	2.00	108	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 1071122
Submission #:
Sample Matrix: WATER
Analytical Run 156214

DATE ANALYZED : 01/16/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	0.50 U	UG/L
BROMOBENZENE	0.50	0.50 U	UG/L
BROMOCHLOROMETHANE	0.50	0.50 U	UG/L
BROMODICHLOROMETHANE	0.50	0.50 U	UG/L
BROMOFORM	0.50	0.50 U	UG/L
BROMOMETHANE	0.50	0.50 U	UG/L
TERT-BUTYL ALCOHOL	20	20 U	UG/L
METHYL-TERT-BUTYL ETHER	0.50	0.50 U	UG/L
TERT-BUTYLBENZENE	0.50	0.50 U	UG/L
SEC-BUTYLBENZENE	0.50	0.50 U	UG/L
N-BUTYLBENZENE	0.50	0.50 U	UG/L
CARBON TETRACHLORIDE	0.50	0.50 U	UG/L
CHLOROBENZENE	0.50	0.50 U	UG/L
CHLOROETHANE	0.50	0.50 U	UG/L
CHLOROFORM	0.50	0.50 U	UG/L
CHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	0.50 U	UG/L
2-CHLOROTOLUENE	0.50	0.50 U	UG/L
4-CHLOROTOLUENE	0.50	0.50 U	UG/L
DIBROMOCHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMOETHANE	0.50	0.50 U	UG/L
DIBROMOMETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,4-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,3-DICHLOROBENZENE	0.50	0.50 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHENE	0.50	0.50 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
2,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,3-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,1-DICHLOROPROPENE	0.50	0.50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
ETHYLBENZENE	0.50	0.50 U	UG/L
HEXACHLOROBUTADIENE	0.50	0.50 U	UG/L
ISOPROPYLBENZENE	0.50	0.50 U	UG/L
P-ISOPROPYLTOLUENE	0.50	0.50 U	UG/L
METHYLENE CHLORIDE	0.50	0.50 U	UG/L
NAPHTHALENE	0.50	0.50 U	UG/L
N-PROPYLBENZENE	0.50	0.50 U	UG/L
STYRENE	0.50	0.50 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 1071122 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 156214

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 01/16/08			
ANALYTICAL DILUTION: 1.00			
1,1,1,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
TETRACHLOROETHENE	0.50	0.50 U	UG/L
TOLUENE	0.50	0.50 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	0.50 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	0.50 U	UG/L
TRICHLOROETHENE	0.50	0.50 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	0.50 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
VINYL CHLORIDE	0.50	0.50 U	UG/L
M+P-XYLENE	0.50	0.50 U	UG/L
O-XYLENE	0.50	0.50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(70 - 130 %)	83	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	90	%

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1068743

Dup Spiked Order No. : 1068745

Client ID:

Test: 625 PPL SEMIVOLATILES

Analytical Units: UG/L

Run Number : 155789

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
ACENAPHTHENE	100	0	78.0	78	81.0	81	4	31	47 - 145
ACENAPHTHYLENE	100	0	83.0	83	85.0	85	2	30	33 - 145
ANTHRACENE	100	0	94.0	94	94.0	94	0	30	27 - 133
BENZIDINE	100	0	11.0	11	26.0	26	81	30	10 - 113
BENZO(A)ANTHRACENE	100	0	95.0	95	97.0	97	2	30	33 - 143
BENZO(A)PYRENE	100	0	92.0	92	93.0	93	1	30	17 - 163
BENZO(B)FLUORANTHENE	100	0	99.0	99	100	100	1	30	24 - 159
BENZO(G,H,I)PERYLENE	100	0	98.0	98	100	100	2	30	D - 219
BENZO(K)FLUORANTHENE	100	0	100	100	100	100	0	30	11 - 162
BUTYL BENZYL PHTHALATE	100	0	94.0	94	100	100	6	30	D - 152
DI-N-BUTYLPHTHALATE	100	0	93.0	93	100	100	7	30	1 - 118
INDENO(1,2,3-CD)PYRENE	100	0	99.0	99	100	100	1	30	D - 171
BIS(-2-CHLOROETHOXY)ME	100	0	87.0	87	91.0	91	4	30	33 - 184
BIS(2-CHLOROETHYL)ETHE	100	0	82.0	82	86.0	86	5	30	12 - 158
2-CHLORONAPHTHALENE	100	0	72.0	72	74.0	74	3	30	60 - 118
2-CHLOROPHENOL	100	0	84.0	84	81.0	81	4	40	23 - 134
2,2'-OXYBIS(1-CHLOROPR	100	0	84.0	84	87.0	87	4	30	36 - 166
CHRYSENE	100	0	98.0	98	100	100	2	30	17 - 168
DIBENZO(A,H)ANTHRACENE	100	0	100	100	100	100	0	30	D - 227
1,3-DICHLOROBENZENE	100	0	58.0	58	60.0	60	3	30	D - 172
1,2-DICHLOROBENZENE	100	0	63.0	63	64.0	64	2	30	32 - 129
1,4-DICHLOROBENZENE	100	0	58.0	58	60.0	60	3	28	20 - 124
3,3'-DICHLOROBENZIDINE	100	0	73.0	73	79.0	79	8	30	D - 262
2,4-DICHLOROPHENOL	100	0	88.0	88	92.0	92	4	30	39 - 135
DIETHYLPHTHALATE	100	0	93.0	93	100	100	7	30	D - 114
DIMETHYL PHTHALATE	100	0	94.0	94	100	100	6	30	D - 112
2,4-DIMETHYLPHENOL	100	0	67.0	67	68.0	68	1	30	39 - 135
2,4-DINITROPHENOL	100	0	92.0	92	100	100	8	30	D - 191
2,4-DINITROTOLUENE	100	0	94.0	94	100	100	6	38	39 - 139
2,6-DINITROTOLUENE	100	0	88.0	88	95.0	95	8	30	50 - 158
1,2-DIPHENYLHYDRAZINE	100	0	89.0	89	91.0	91	2	30	59 - 113
BIS(2-ETHYLHEXYL)PHTHA	100	0	97.0	97	100	100	3	30	8 - 158

OLUMBIA ANALYTICAL SERVICES

UALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1068743

Dup Spiked Order No. : 1068745

Client ID:

Test: 625 PPL SEMIVOLATILES

Analytical Units: UG/L

Run Number : 155789

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
FLUORANTHENE	100	0	98.0	98	100	100	2	30	26 - 137
FLUORENE	100	0	90.0	90	92.0	92	2	30	59 - 121
HEXACHLOROBENZENE	100	0	97.0	97	100	100	3	30	D - 152
HEXACHLOROBUTADIENE	100	0	61.0	61	61.0	61	0	30	24 - 116
HEXACHLOROCYCLOPENTADI	100	0	52.0	52	53.0	53	2	30	10 - 130
HEXACHLOROETHANE	100	0	56.0	56	57.0	57	2	30	40 - 113
ISOPHORONE	100	0	100	100	100	100	0	30	21 - 196
4,6-DINITRO-2-METHYLPH	100	0	93.0	93	98.0	98	5	30	D - 181
4-CHLORO-3-METHYLPHENO	100	0	86.0	86	91.0	91	6	42	22 - 147
NAPHTHALENE	100	0	65.0	65	67.0	67	3	30	21 - 133
NITROBENZENE	100	0	82.0	82	85.0	85	4	30	35 - 180
2-NITROPHENOL	100	0	88.0	88	91.0	91	3	30	29 - 182
4-NITROPHENOL	100	0	45.0	45	48.0	48	6	50	D - 132
N-NITROSODIMETHYLAMINE	100	0	52.0	52	51.0	51	2	30	27 - 130
N-NITROSODIPHENYLAMINE	100	0	78.0	78	82.0	82	5	30	70 - 130
DI-N-OCTYL PHTHALATE	100	0	100	100	100	100	0	30	4 - 146
PENTACHLOROPHENOL	100	0	100	100	100	100	0	50	14 - 176
PHENANTHRENE	100	0	92.0	92	95.0	95	3	30	54 - 120
PHENOL	100	0	36.0	36	38.0	38	5	42	5 - 112
4-BROMOPHENYL-PHENYLET	100	0	95.0	95	97.0	97	2	30	53 - 127
4-CHLOROPHENYL-PHENYLE	100	0	88.0	88	88.0	88	0	30	25 - 158
N-NITROSO-DI-N-PROPYLA	100	0	86.0	86	88.0	88	2	38	D - 230
PYRENE	100	0	95.0	95	98.0	98	3	31	52 - 115
1,2,4-TRICHLOROBENZENE	100	0	61.0	61	60.0	60	2	28	44 - 142
2,4,6-TRICHLOROPHENOL	100	0	90.0	90	92.0	92	2	30	37 - 144

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 625 PPL SEMIVOLATILES
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 1068742 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 155789

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/15/08			
ANALYTICAL DILUTION: 1.00			
ACENAPHTHENE	5.0	5.0 U	UG/L
ACENAPHTHYLENE	5.0	5.0 U	UG/L
ANTHRACENE	5.0	5.0 U	UG/L
BENZIDINE	100	100 U	UG/L
BENZO(A)ANTHRACENE	5.0	5.0 U	UG/L
BENZO(A)PYRENE	5.0	5.0 U	UG/L
BENZO(B)FLUORANTHENE	5.0	5.0 U	UG/L
BENZO(G,H,I)PERYLENE	5.0	5.0 U	UG/L
BENZO(K)FLUORANTHENE	5.0	5.0 U	UG/L
BUTYL BENZYL PHTHALATE	5.0	5.0 U	UG/L
DI-N-BUTYLPHTHALATE	5.0	5.0 U	UG/L
INDENO(1,2,3-CD)PYRENE	5.0	5.0 U	UG/L
BIS(-2-CHLOROETHOXY)METHANE	5.0	5.0 U	UG/L
BIS(2-CHLOROETHYL)ETHER	5.0	5.0 U	UG/L
2-CHLORONAPHTHALENE	5.0	5.0 U	UG/L
2-CHLOROPHENOL	5.0	5.0 U	UG/L
2,2'-OXYBIS(1-CHLOROPROPANE)	5.0	5.0 U	UG/L
CHRYSENE	5.0	5.0 U	UG/L
DIBENZO(A,H)ANTHRACENE	5.0	5.0 U	UG/L
1,3-DICHLOROBENZENE	5.0	5.0 U	UG/L
1,2-DICHLOROBENZENE	5.0	5.0 U	UG/L
1,4-DICHLOROBENZENE	5.0	5.0 U	UG/L
3,3'-DICHLOROBENZIDINE	5.0	5.0 U	UG/L
2,4-DICHLOROPHENOL	5.0	5.0 U	UG/L
DIETHYLPHTHALATE	5.0	5.0 U	UG/L
DIMETHYL PHTHALATE	5.0	5.0 U	UG/L
2,4-DIMETHYLPHENOL	5.0	5.0 U	UG/L
2,4-DINITROPHENOL	50	50 U	UG/L
2,4-DINITROTOLUENE	5.0	5.0 U	UG/L
2,6-DINITROTOLUENE	5.0	5.0 U	UG/L
1,2-DIPHENYLHYDRAZINE	5.0	5.0 U	UG/L
BIS(2-ETHYLHEXYL)PHTHALATE	5.0	5.0 U	UG/L
FLUORANTHENE	5.0	5.0 U	UG/L
FLUORENE	5.0	5.0 U	UG/L
HEXACHLOROBENZENE	5.0	5.0 U	UG/L
HEXACHLOROBUTADIENE	5.0	5.0 U	UG/L
HEXACHLOROCYCLOPENTADIENE	5.0	5.0 U	UG/L
HEXACHLOROETHANE	5.0	5.0 U	UG/L
ISOPHORONE	5.0	5.0 U	UG/L
4,6-DINITRO-2-METHYLPHENOL	50	50 U	UG/L
4-CHLORO-3-METHYLPHENOL	5.0	5.0 U	UG/L
NAPHTHALENE	5.0	5.0 U	UG/L
NITROBENZENE	5.0	5.0 U	UG/L
2-NITROPHENOL	5.0	5.0 U	UG/L

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 625 PPL SEMIVOLATILES
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 1068742 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 155789

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/15/08			
ANALYTICAL DILUTION: 1.00			
4-NITROPHENOL	50	50 U	UG/L
N-NITROSODIMETHYLAMINE	5.0	5.0 U	UG/L
N-NITROSODIPHENYLAMINE	5.0	5.0 U	UG/L
DI-N-OCTYL PHTHALATE	5.0	5.0 U	UG/L
PENTACHLOROPHENOL	50	50 U	UG/L
PHENANTHRENE	5.0	5.0 U	UG/L
PHENOL	5.0	5.0 U	UG/L
4-BROMOPHENYL-PHENYLETHER	5.0	5.0 U	UG/L
4-CHLOROPHENYL-PHENYLETHER	5.0	5.0 U	UG/L
N-NITROSO-DI-N-PROPYLAMINE	5.0	5.0 U	UG/L
PYRENE	5.0	5.0 U	UG/L
1,2,4-TRICHLOROBENZENE	5.0	5.0 U	UG/L
2,4,6-TRICHLOROPHENOL	5.0	5.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(45 - 135 %)	85	%
NITROBENZENE-d5	(41 - 129 %)	73	%
PHENOL-d6	(15 - 58 %)	28	%
2-FLUOROBIPHENYL	(51 - 111 %)	77	%
2-FLUOROPHENOL	(27 - 78 %)	43	%
2,4,6-TRIBROMOPHENOL	(44 - 146 %)	88	%

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1068718

Dup Spiked Order No. : 1068719

Client ID:

Test: 608 PESTICIDE

Analytical Units: UG/L

Run Number : 155780

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	RPD	RPD	QC LIMITS REC.
ALDRIN	0.20	0	0.170	85	0.160	80	6	30	42 - 122
ALPHA-BHC	0.20	0	0.190	95	0.190	95	0	30	37 - 134
BETA-BHC	0.20	0	0.210	105	0.200	100	5	30	17 - 147
GAMMA-BHC	0.20	0	0.190	95	0.190	95	0	30	19 - 140
DELTA-BHC	0.20	0	0.160	80	0.170	85	6	30	32 - 127
4,4'-DDE	0.20	0	0.200	100	0.190	95	5	30	30 - 145
4,4'-DDT	0.20	0	0.190	95	0.190	95	0	30	25 - 160
DIELDRIN	0.20	0	0.200	100	0.200	100	0	30	36 - 146
ALPHA-ENDOSULFAN	0.20	0	0.190	95	0.190	95	0	30	45 - 153
BETA-ENDOSULFAN	0.20	0	0.220	110	0.220	110	0	30	0 - 202
ENDOSULFAN SULFATE	0.20	0	0.190	95	0.200	100	5	30	26 - 144
ENDRIN	0.20	0	0.180	90	0.180	90	0	30	30 - 147
ENDRIN ALDEHYDE	0.20	0	0.051	26	0.050	25	2	30	64 - 112
HEPTACHLOR	0.20	0	0.180	90	0.180	90	0	30	34 - 111
HEPTACHLOR EPOXIDE	0.20	0	0.210	105	0.210	105	0	30	37 - 142
4,4'-TDE (DDD)	0.20	0	0.190	95	0.190	95	0	30	31 - 141

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 608 PESTICIDE
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 1068717 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 155780

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/14/08			
ANALYTICAL DILUTION: 1.00			
ALDRIN	0.050	0.050 U	UG/L
ALPHA-BHC	0.050	0.050 U	UG/L
BETA-BHC	0.050	0.050 U	UG/L
GAMMA-BHC	0.050	0.050 U	UG/L
DELTA-BHC	0.050	0.050 U	UG/L
CHLORDANE	0.25	0.25 U	UG/L
4,4'-DDE	0.10	0.10 U	UG/L
4,4'-DDT	0.10	0.10 U	UG/L
DIELDRIN	0.10	0.10 U	UG/L
ALPHA-ENDOSULFAN	0.050	0.050 U	UG/L
BETA-ENDOSULFAN	0.10	0.10 U	UG/L
ENDOSULFAN SULFATE	0.10	0.10 U	UG/L
ENDRIN	0.10	0.10 U	UG/L
ENDRIN ALDEHYDE	0.10	0.10 U	UG/L
HEPTACHLOR	0.054	0.054 U	UG/L
HEPTACHLOR EPOXIDE	0.050	0.050 U	UG/L
4,4'-TDE (DDD)	0.10	0.10 U	UG/L
TOXAPHENE	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL (DCB)	(13 - 144 %)	50	%
TETRACHLORO-META-XYLENE	(21 - 115 %)	76	%

COLUMBIA ANALYTICAL SERVICES

QUALITY CONTROL SUMMARY: LABORATORY CONTROL SAMPLE
WATER

Spiked Order No. : 1068511

Dup Spiked Order No. : 1068512

Client ID:

Test: 608 PCB'S

Analytical Units: UG/L

Run Number : 155720

ANALYTE	SPIKE ADDED	SAMPLE CONCENT.	BLANK SPIKE FOUND	BLANK SPIKE % REC.	BLANK SPIKE DUP. FOUND	BLANK SPIKE DUP. % REC.	RPD	QC LIMITS RPD	QC LIMITS REC.
PCB 1260	5.0	0	4.60	92	5.00	100	8	30	8 - 127

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 608 PCB'S
Reported: 01/25/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled : **Order #:** 1068510 **Sample Matrix:** WATER
Date Received: **Submission #:** **Analytical Run** 155720

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 01/11/08			
DATE ANALYZED : 01/11/08			
ANALYTICAL DILUTION: 1.00			
PCB 1016	1.0	1.0 U	UG/L
PCB 1221	2.0	2.0 U	UG/L
PCB 1232	1.0	1.0 U	UG/L
PCB 1242	1.0	1.0 U	UG/L
PCB 1248	1.0	1.0 U	UG/L
PCB 1254	1.0	1.0 U	UG/L
PCB 1260	1.0	1.0 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(13 - 144 %)	46	%
TETRACHLORO-META-XYLENE	(- %)	74	%

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 01 OF 01

SR #

CAS Contact

Project Name: Mamaroneck Taylor Lane	Project Number: 124348
Project Manager: Steve Goldberg	Report CC:
Company/Address: Shaw E&I, 4 Commerce Dr. South, Harriman, NY 10926	
Phone #: 8455492 3114	FAX#: 8455492 3101
Sampler's Signature: SANJAY	Sampler's Printed Name: Sanjay

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	(VOCs) 524.2	608, 625, 624	7196A, 335.4	1664A, 420.2	250.7/245.1	REMARKS/ ALTERNATE DESCRIPTION
MW-14S		01/09/08	8:10	AQ	3								X	X	X	X		(8+3) VOA
MW-1S			9:00		1						X							
MW-1D			9:15		1						X							
MW-2S			10:00		3						X		X					
MW-2D			9:45		1						X							(1+3) VOA.
MW-3S			10:15		1						X							
MW-3D			10:30		1						X							

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

SPECIAL INSTRUCTIONS/COMMENTS
Metals — As, Cd, Cu, Pb, Hg, Zn.
detection limit must be at or below NYSDEC GA quality standards for all parameters

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2841668

SAMPLE RECEIPT: CONDITION/COOLER TEMP: 2°C CUSTODY SEALS: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Printed Name: SANJAY	Printed Name: Gregory O. Esmerian	Printed Name:	Printed Name:	Printed Name:	Printed Name:
Firm: Shaw	Firm: CAS	Firm:	Firm:	Firm:	Firm:
Date/Time: 01/09/08 1430	Date/Time: 1-10-08 9:50	Date/Time:	Date/Time:	Date/Time:	Date/Time:

SCOC-1102-08

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

TH000

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number 228-41698.

Cooler received on 1-10-08 by: KE COURIER: CAS UPS FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 1-10-08 @ 10:44

Thermometer ID: 161 or (IR GUN) Reading From: Temp Blank or (Sample Bottle)

If out of Temperature, Client Approval to Run Samples _____

PC Secondary Review: MM 1/10/08

Cooler Breakdown: Date: 1/10/08 by: CMC

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

Explain any discrepancies: _____

		YES	NO	Sample I.D.	Reagent	Vol. Added	Final pH
pH	Reagent						
≥12	NaOH	X					
≤2	HNO_3	X					
≤2	H_2SO_4	X					
Residual Chlorine (+/-)	for TCN & Phenol	X					

YES = All samples OK NO = Samples were preserved at lab as listed PC OK to adjust pH _____

VOC Vial pH Verification (Tested after Analysis) Following Samples Exhibited pH > 2		

Other Comments:

PC Secondary Review: _____

Columbia Analytical Services inc.

A FULL SERVICE ENVIRONMENTAL LABORATORY

August 14, 2008

Mr. Steven Goldberg
Shaw E & I, Inc.
4 Commerce Drive South
Harriman, NY 10926

PROJECT:MAMARONECK - TAYLOR'S LANE
Submission #:R2845100

Dear Mr. Goldberg

Enclosed are the analytical results of the analyses requested. All data has been reviewed prior to report submission. Should you have any questions please contact me at (585) 288-5380.

Thank you for letting us provide this service.

Sincerely,

COLUMBIA ANALYTICAL SERVICES

Michael K. Perry

Michael Perry
Laboratory Director

Enc.

Columbia Analytical Services, Inc.

1 Mustard ST.
Suite 250
Rochester, NY 14609
(585) 288-5380

THIS IS AN ANALYTICAL TEST REPORT FOR:

Client	: Shaw E & I, Inc.
Project Reference	: MAMARONECK - TAYLOR'S LANE
Lab Submission #	: R2845100
Contact Person	: Michael Perry
Phone Number	: (585) 288-5380
Reported	: 08/14/08

Report Contains a total of 19 pages

This package has been reviewed by Columbia Analytical Services' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. Michael F. Perry

Columbia Analytical Services inc.

CASE NARRATIVE

This report contains analytical results for the following samples:

Submission #: R2845100

Lab ID	Client ID
1120903	MW-1S
1120906	MW-1D
1120907	MW-2S
1120910	MW-2D
1120913	MW-3S
1120914	MW-3D

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

All samples were preserved in accordance with approved analytical methods.

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

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

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

ORGANIC QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit and greater than the MDL. This flag is also used for DoD instead of "P" as indicated below.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search.

P - This flag is used for a pesticide/Aroclor target analyte when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns. The concentration is reported on the Form I and flagged with a "P" ("J" for DoD).

Q - for DoD only – indicates a pesticide/Aroclor target is not confirmed. This flag is used when there is ≥ 100% difference for the detected concentrations between the two GC columns.

C - This flag applies to pesticide results where the identification has been confirmed by GC/MS.

B - This flag is used when the analyte is found in the associated blank as well as in the sample.

E - This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and ALL concentration values reported on that Form I are flagged with the "D" flag.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - As specified in Case Narrative.

* - This flag identifies compounds associated with a quality control parameter which exceeds laboratory limits.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved

Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID# 68-786
Rhode Island ID # 158
West Virginia ID # 292

H:\FORMS\QUALIF_O.DOC

Columbia Analytical Services INC.
An Employee - Owned Company

ACCREDITED IN ACCORDANCE WITH nelac

Service Quality Environmental Ethics
ACIL
2005 SEAL OF EXCELLENCE PROGRAM

INORGANIC QUALIFIERS

C (Concentration) qualifier –

- B - if the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but was greater than or equal to the Instrument Detection Limit (IDL). This qualifier may also be used to indicate that there was contamination above the reporting limit in the associated blank. See Narrative for details.
- U - if the analyte was analyzed for, but not detected

Q qualifier - Specified entries and their meanings are as follows:

- D - Spike was diluted out
- E - The reported value is estimated because the serial dilution did not meet criteria.
- J - Estimated Value
- M - Duplicate injection precision not met.
- N - Spiked sample recovery not within control limits.
- S - The reported value was determined by the Method of Standard Additions (MSA).
- W - Post-digestion spike for Furnace AA Analysis is out of control limits (85-115), while sample absorbance is less than 50% of spike absorbance.
- * - Duplicate analysis not within control limits.
- + - Correlation coefficient for the MSA is less than 0.995.

M (Method) qualifier:

- "P" for ICP
- "A" for Flame AA
- "F" for Furnace AA
- "PM" for ICP when Microwave Digestion is used
- "AM" for Flame AA when Microwave Digestion is used
- "FM" for Furnace M when Microwave Digestion is used
- "CV" for Manual Cold Vapor AA
- "AV" for Automated Cold Vapor AA
- "AF" for Automated Cold Vapor Atomic Fluorescence Spectrometry
- "CA" for Midi-Distillation Spectrophotometric
- "AS" for Semi-Automated Spectrophotometric
- "C" for Manual Spectrophotometric
- "T" for Titrimetric
- " " where no data has been entered
- "NR" if the analyte is not required to be analyzed.

CAS/Rochester Lab ID # for State Certifications

NELAP Accredited
Delaware Accredited
Connecticut ID # PH0556
Florida ID # E87674
Illinois ID #200047
Maine ID #NY0032
Massachusetts ID # M-NY032
Navy Facilities Engineering Service Center Approved
Nebraska Accredited
New Jersey ID # NY004
New York ID # 10145
New Hampshire ID # 294100 A/B
Pennsylvania ID # 68-786
Rhode Island ID # 158
West Virginia ID # 292

COLUMBIA ANALYTICAL SERVICES

Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-1S

Date Sampled : 07/23/08 07:15 **Order #:** 1120903 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0199	MG/L	07/29/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0
LEAD	200.7	0.00500	0.0265	MG/L	07/29/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	07/30/08	1.0
ZINC	200.7	0.0200	0.0389	MG/L	07/29/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-1D

Date Sampled : 07/23/08 07:45 **Order #:** 1120906 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0100 U	MG/L	07/29/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0
LEAD	200.7	0.00500	0.00650	MG/L	07/29/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	07/30/08	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 07/23/08 09:45 **Order #:** 1120907 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0100 U	MG/L	07/29/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0
LEAD	200.7	0.00500	0.0105	MG/L	07/29/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	07/30/08	1.0
ZINC	200.7	0.0200	0.0297	MG/L	07/29/08	1.0

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 07/23/08 09:45 **Order #:** 1120907 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100 **Analytical Run** 165437

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/31/08			
ANALYTICAL DILUTION: 1.00			
BENZENE	0.50	0.50 U	UG/L
BROMOBENZENE	0.50	0.50 U	UG/L
BROMOCHLOROMETHANE	0.50	0.50 U	UG/L
BROMODICHLOROMETHANE	0.50	0.50 U	UG/L
BROMOFORM	0.50	0.50 U	UG/L
BROMOMETHANE	0.50	0.50 U	UG/L
TERT-BUTYL ALCOHOL	20	37	UG/L
METHYL-TERT-BUTYL ETHER	0.50	12	UG/L
TERT-BUTYLBENZENE	0.50	0.50 U	UG/L
SEC-BUTYLBENZENE	0.50	0.50 U	UG/L
N-BUTYLBENZENE	0.50	0.50 U	UG/L
CARBON TETRACHLORIDE	0.50	0.50 U	UG/L
CHLOROBENZENE	0.50	0.50 U	UG/L
CHLOROETHANE	0.50	0.50 U	UG/L
CHLOROFORM	0.50	0.50 U	UG/L
CHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	0.50 U	UG/L
2-CHLOROTOLUENE	0.50	0.50 U	UG/L
4-CHLOROTOLUENE	0.50	0.50 U	UG/L
DIBROMOCHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMOETHANE	0.50	0.50 U	UG/L
DIBROMOMETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,4-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,3-DICHLOROBENZENE	0.50	0.50 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHENE	0.50	0.50 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
2,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,3-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,1-DICHLOROPROPENE	0.50	0.50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
ETHYLBENZENE	0.50	0.50 U	UG/L
HEXACHLOROBUTADIENE	0.50	0.50 U	UG/L
ISOPROPYLBENZENE	0.50	0.50 U	UG/L
P-ISOPROPYLTOLUENE	0.50	0.50 U	UG/L
METHYLENE CHLORIDE	0.50	0.50 U	UG/L
NAPHTHALENE	0.50	0.50 U	UG/L
N-PROPYLBENZENE	0.50	0.50 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2S

Date Sampled : 07/23/08 09:45 **Order #:** 1120907 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100 **Analytical Run** 165437

ANALYTE	PQL	RESULT	UNITS
DATE ANALYZED : 07/31/08			
ANALYTICAL DILUTION: 1.00			
STYRENE	0.50	0.50 U	UG/L
1,1,1,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
TETRACHLOROETHENE	0.50	0.50 U	UG/L
TOLUENE	0.50	0.50 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	0.50 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	0.50 U	UG/L
TRICHLOROETHENE	0.50	0.50 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	0.50 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
VINYL CHLORIDE	0.50	2.8	UG/L
M+P-XYLENE	0.50	0.50 U	UG/L
O-XYLENE	0.50	0.50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(70 - 130 %)	101	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	98	%

COLUMBIA ANALYTICAL SERVICES

Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-2D

Date Sampled : 07/23/08 09:15 **Order #:** 1120910 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0100 U	MG/L	07/29/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0
LEAD	200.7	0.00500	0.0104	MG/L	07/29/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	07/30/08	1.0
ZINC	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-3S

Date Sampled : 07/23/08 08:40 **Order #:** 1120913 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0116	MG/L	07/29/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0
LEAD	200.7	0.00500	0.0161	MG/L	07/29/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	07/30/08	1.0
ZINC	200.7	0.0200	0.0695	MG/L	07/29/08	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 08/14/08

Shaw E & I, Inc.
Project Reference: MAMARONECK - TAYLOR'S LANE
Client Sample ID : MW-3D

Date Sampled : 07/23/08 08:15 **Order #:** 1120914 **Sample Matrix:** WATER
Date Received: 07/25/08 **Submission #:** R2845100

ANALYTE	METHOD	PQL	RESULT	UNITS	DATE ANALYZED	DILUTION
ARSENIC	200.7	0.0100	0.0100 U	MG/L	07/29/08	1.0
CADMIUM	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
COPPER	200.7	0.0200	0.0200 U	MG/L	07/29/08	1.0
LEAD	200.7	0.00500	0.00500 U	MG/L	07/29/08	1.0
MERCURY	245.1	0.000300	0.000300 U	MG/L	07/30/08	1.0
ZINC	200.7	0.0200	0.0614	MG/L	07/29/08	1.0

COLUMBIA ANALYTICAL SERVICES

INORGANIC BLANK SPIKE SUMMARY

CAS Submission #: R2845100
Client: Shaw E & I, Inc.
MAMARONECK - TAYLOR'S LANE

BLANK SPIKES

	BLANK	FOUND	ADDED	% REC	LIMITS	RUN	UNITS
ARSENIC	0.0100 U	0.0403	0.0400	101	85 - 115	164822	MG/L
CADMIUM	0.00500 U	0.0517	0.0500	103	85 - 115	164822	MG/L
COPPER	0.0200 U	0.265	0.250	106	85 - 115	164822	MG/L
LEAD	0.00500 U	0.542	0.500	108	85 - 115	164822	MG/L
ZINC	0.0200 U	0.532	0.500	106	85 - 115	164822	MG/L
MERCURY	0.000300 U	0.00110	0.00100	110	85 - 115	164850	MG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1125020 ANALYTICAL RUN # : 165437

DATE ANALYZED : 07/31/08
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
BENZENE	2.00	89	70 - 130
BROMOBENZENE	2.00	94	70 - 130
BROMOCHLOROMETHANE	2.00	97	70 - 130
BROMODICHLOROMETHANE	2.00	96	70 - 130
BROMOFORM	2.00	94	70 - 130
BROMOMETHANE	2.00	100	70 - 130
TERT-BUTYL ALCOHOL	40.0	93	70 - 130
METHYL-TERT-BUTYL ETHER	2.00	95	70 - 130
TERT-BUTYLBENZENE	2.00	87	70 - 130
SEC-BUTYLBENZENE	2.00	89	70 - 130
N-BUTYLBENZENE	2.00	84	70 - 130
CARBON TETRACHLORIDE	2.00	102	70 - 130
CHLOROBENZENE	2.00	87	70 - 130
CHLOROETHANE	2.00	102	70 - 130
CHLOROFORM	2.00	93	70 - 130
CHLOROMETHANE	2.00	95	70 - 130
1,2-DIBROMO-3-CHLOROPROPANE	2.00	86	70 - 130
2-CHLOROTOLUENE	2.00	93	70 - 130
4-CHLOROTOLUENE	2.00	89	70 - 130
DIBROMOCHLOROMETHANE	2.00	95	70 - 130
1,2-DIBROMOETHANE	2.00	94	70 - 130
DIBROMOMETHANE	2.00	99	70 - 130
1,2-DICHLOROBENZENE	2.00	93	70 - 130
1,4-DICHLOROBENZENE	2.00	85	70 - 130
1,3-DICHLOROBENZENE	2.00	94	70 - 130
DICHLORODIFLUOROMETHANE	2.00	97	70 - 130
1,1-DICHLOROETHANE	2.00	94	70 - 130
1,2-DICHLOROETHANE	2.00	94	70 - 130
1,1-DICHLOROETHENE	2.00	91	70 - 130
TRANS-1,2-DICHLOROETHENE	2.00	96	70 - 130
CIS-1,2-DICHLOROETHENE	2.00	92	70 - 130
2,2-DICHLOROPROPANE	2.00	99	70 - 130
1,2-DICHLOROPROPANE	2.00	94	70 - 130
1,3-DICHLOROPROPANE	2.00	94	70 - 130
1,1-DICHLOROPROPENE	2.00	91	70 - 130
TRANS-1,3-DICHLOROPROPENE	2.00	94	70 - 130
CIS-1,3-DICHLOROPROPENE	2.00	90	70 - 130
ETHYLBENZENE	2.00	91	70 - 130
HEXACHLOROBUTADIENE	2.00	84	70 - 130
ISOPROPYLBENZENE	2.00	88	70 - 130
P-ISOPROPYLTOLUENE	2.00	90	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD: 524.2 DRINKING WATER VOLATILES

LABORATORY CONTROL SAMPLE SUMMARY

REFERENCE ORDER #: 1125020 ANALYTICAL RUN # : 165437

DATE ANALYZED : 07/31/08
ANALYTICAL DILUTION: 1.0

ANALYTE	TRUE VALUE	% RECOVERY	QC LIMITS
METHYLENE CHLORIDE	2.00	90	70 - 130
NAPHTHALENE	2.00	81	70 - 130
N-PROPYLBENZENE	2.00	87	70 - 130
STYRENE	2.00	84	70 - 130
1,1,1,2-TETRACHLOROETHANE	2.00	94	70 - 130
1,1,2,2-TETRACHLOROETHANE	2.00	89	70 - 130
TETRACHLOROETHENE	2.00	98	70 - 130
TOLUENE	2.00	88	70 - 130
1,2,4-TRICHLOROBENZENE	2.00	84	70 - 130
1,2,3-TRICHLOROBENZENE	2.00	90	70 - 130
1,1,1-TRICHLOROETHANE	2.00	93	70 - 130
1,1,2-TRICHLOROETHANE	2.00	84	70 - 130
TRICHLOROETHENE	2.00	92	70 - 130
TRICHLOROFLUOROMETHANE	2.00	97	70 - 130
1,2,3-TRICHLOROPROPANE	2.00	88	70 - 130
1,3,5-TRIMETHYLBENZENE	2.00	87	70 - 130
1,2,4-TRIMETHYLBENZENE	2.00	89	70 - 130
VINYL CHLORIDE	2.00	96	70 - 130
M+P-XYLENE	4.00	84	70 - 130
O-XYLENE	2.00	86	70 - 130

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 08/14/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 1125018
Submission #:
Sample Matrix: WATER
Analytical Run 165437

DATE ANALYZED : 07/31/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
BENZENE	0.50	0.50 U	UG/L
BROMOBENZENE	0.50	0.50 U	UG/L
BROMOCHLOROMETHANE	0.50	0.50 U	UG/L
BROMODICHLOROMETHANE	0.50	0.50 U	UG/L
BROMOFORM	0.50	0.50 U	UG/L
BROMOMETHANE	0.50	0.50 U	UG/L
TERT-BUTYL ALCOHOL	20	20 U	UG/L
METHYL-TERT-BUTYL ETHER	0.50	0.50 U	UG/L
TERT-BUTYLBENZENE	0.50	0.50 U	UG/L
SEC-BUTYLBENZENE	0.50	0.50 U	UG/L
N-BUTYLBENZENE	0.50	0.50 U	UG/L
CARBON TETRACHLORIDE	0.50	0.50 U	UG/L
CHLOROBENZENE	0.50	0.50 U	UG/L
CHLOROETHANE	0.50	0.50 U	UG/L
CHLOROFORM	0.50	0.50 U	UG/L
CHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMO-3-CHLOROPROPANE	0.50	0.50 U	UG/L
2-CHLOROTOLUENE	0.50	0.50 U	UG/L
4-CHLOROTOLUENE	0.50	0.50 U	UG/L
DIBROMOCHLOROMETHANE	0.50	0.50 U	UG/L
1,2-DIBROMOETHANE	0.50	0.50 U	UG/L
DIBROMOMETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,4-DICHLOROBENZENE	0.50	0.50 U	UG/L
1,3-DICHLOROBENZENE	0.50	0.50 U	UG/L
DICHLORODIFLUOROMETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHANE	0.50	0.50 U	UG/L
1,2-DICHLOROETHANE	0.50	0.50 U	UG/L
1,1-DICHLOROETHENE	0.50	0.50 U	UG/L
TRANS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
CIS-1,2-DICHLOROETHENE	0.50	0.50 U	UG/L
2,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,2-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,3-DICHLOROPROPANE	0.50	0.50 U	UG/L
1,1-DICHLOROPROPENE	0.50	0.50 U	UG/L
TRANS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
CIS-1,3-DICHLOROPROPENE	0.50	0.50 U	UG/L
ETHYLBENZENE	0.50	0.50 U	UG/L
HEXACHLOROBUTADIENE	0.50	0.50 U	UG/L
ISOPROPYLBENZENE	0.50	0.50 U	UG/L
P-ISOPROPYLTOLUENE	0.50	0.50 U	UG/L
METHYLENE CHLORIDE	0.50	0.50 U	UG/L
NAPHTHALENE	0.50	0.50 U	UG/L
N-PROPYLBENZENE	0.50	0.50 U	UG/L
STYRENE	0.50	0.50 U	UG/L

COLUMBIA ANALYTICAL SERVICES

VOLATILE ORGANICS
METHOD 524.2 DRINKING WATER VOLATIL
Reported: 08/14/08

Project Reference:
Client Sample ID : METHOD BLANK

Date Sampled :
Date Received:
Order #: 1125018
Submission #:
Sample Matrix: WATER
Analytical Run 165437

DATE ANALYZED : 07/31/08
ANALYTICAL DILUTION: 1.00

ANALYTE	PQL	RESULT	UNITS
1,1,1,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
1,1,2,2-TETRACHLOROETHANE	0.50	0.50 U	UG/L
TETRACHLOROETHENE	0.50	0.50 U	UG/L
TOLUENE	0.50	0.50 U	UG/L
1,2,4-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROBENZENE	0.50	0.50 U	UG/L
1,1,1-TRICHLOROETHANE	0.50	0.50 U	UG/L
1,1,2-TRICHLOROETHANE	0.50	0.50 U	UG/L
TRICHLOROETHENE	0.50	0.50 U	UG/L
TRICHLOROFLUOROMETHANE	0.50	0.50 U	UG/L
1,2,3-TRICHLOROPROPANE	0.50	0.50 U	UG/L
1,3,5-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
1,2,4-TRIMETHYLBENZENE	0.50	0.50 U	UG/L
VINYL CHLORIDE	0.50	0.50 U	UG/L
M+P-XYLENE	0.50	0.50 U	UG/L
O-XYLENE	0.50	0.50 U	UG/L

SURROGATE RECOVERIES	QC LIMITS		
BROMOFLUOROBENZENE	(70 - 130 %)	106	%
1,2-DICHLOROBENZENE-D4	(70 - 130 %)	106	%

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www.caslab.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

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

PAGE 01 OF 01

SR #

CAS Contact

Project Name: Mamaroneck Taylor Lane	Project Number: 130679
Project Manager: Steven Goldberg	Report CC
Company/Address: 92 North Ave. Suite 106, New Rochelle NY 10801	
Phone #: 914.633.9324	FAX#: 914.633.4685
Sampler's Signature: [signature]	Sampler's Printed Name: Sanjay Sharma

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

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐ 8260 ☐ 624 ☐ CLP	GC/MS SVOA's ☐ 8270 ☐ 625 ☐ CLP	GC VOA's ☐ 8021 ☐ 601/602	PESTICIDES ☐ 8081 ☐ 608 ☐ CLP	PCB's ☐ 8082 ☐ 608 ☐ CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	200.7/245.1	524.2 VOAs					REMARKS/ ALTERNATE DESCRIPTION
PRESERVATIVE													2						
MW-1S		7/23	7:15	AQ	1								1						
MW-1D		↓	7:45	↓	1								1						
MW-2S		↓	9:05	↓	4								1	3					
MW-2D		↓	9:15	↓	1								1						
MW-3S		↓	8:40	↓	1								1						
MW-3D		↓	8:15	↓	1								1						

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

SPECIAL INSTRUCTIONS/COMMENTS

Metals As, Cd, Cu, Pb, Hg, Zn.
Detection limits must be at or below NYSDEC-AP Quality Standards for all measurements

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #: R2845100

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

	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	[signature] 7/23/08	Rachel Jones				
Printed Name	Sanjay	Rachel Jones				
Firm	SHAW	CAS				
Date/Time	7/23/08 6PM	7/25/08 930				

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number R2-45100

Cooler received on 7/25/08 by: RG COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 7/25/08 @ 938

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

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

PC Secondary Review: MWP 7/29/08

Cooler Breakdown: Date: 7/25/08 by: RG

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

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp
≥12	NaOH				
≤2	HNO_3	✓		BDB26853	5/09
≤2	H_2SO_4				
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid	
	$Na_2S_2O_3$	-	-		
	Zn Aceta	-	-		
	HCl	*	*	E50A11	5/09

Sample ID	Vol. Added	Lot Added	Final pH

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

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 8-116-002, 070708-2AA

Other Comments:

PC Secondary Review: _____

*significant air bubbles are greater than 5-6 mm

1 Mustard Street, Suite 250 Rochester, NY 14609-6925 (585) 288-5380 (585) 288-8475 fax

Columbia Analytical Services INC.
An Employee - Owned Company

March 09, 2009 Service Request No: R0900942

Mr. Steve Goldberg
Shaw Environmental & Infrastructure, Inc.
92 North Avenue, Suite 106
New Rochelle, NY 10801

Laboratory Results for: Taylor Lane - Mamaroneck/130679

Dear Mr. Goldberg:

Enclosed are the results of the sample(s) submitted to our laboratory on February 23, 2009. For your reference, these analyses have been assigned our service request number **R0900942.**

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

Please contact me if you have any questions. My extension is 129. You may also contact me via email at MPerry@caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Michael Perry
Laboratory Manager

CASE NARRATIVE

This report contains analytical results for the following samples:
Submission #: R0900942

Lab ID	Client ID
R0900942-001	MW-1S
R0900942-002	MW-2S
R0900942-003	MW-3S
R0900942-004	MW-1D
R0900942-005	MW-2D
R0900942-006	MW-3D

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

All samples were preserved in accordance with approved analytical methods.

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

All holding times and associated QC were within limits.

No analytical or QC problems were encountered.

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

Columbia Analytical Services™

REPORT QUALIFIERS

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.

J - Indicates an estimated value. The flag is used either when estimating a concentration for tentatively identified compounds, or when the concentration is less than the reporting limit and greater than the MDL (concentrations are not verified within the initial calibration range).

For DoD reports, the J-flag may also be used to indicate that the concentration between two columns for pesticides/Aroclors is greater than 40% difference.

B - Indicates this compound was also detected in the associated method blank at a concentration that may have contributed to the sample result.

B- Metals - Indicates an estimated value. The concentration is less than the reporting limit and greater than the MDL (concentrations are not verified within the initial calibration range).

E - Indicates that the sample concentration had exceeded the calibration range for that specific analysis.

D - Indicates the sample concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range.

* - Indicates that a quality control parameter has exceeded laboratory limits.

X - See Case Narrative for discussion.

P - This flag is used for a pesticide/Aroclor target concentration when there is a greater than 40% (25% for CLP) difference for detected concentrations between the two GC columns.

For DoD reports, the J-flag is used instead of "P".

N - Inorganics- Indicates the matrix spike recovery was outside laboratory limits.

N- Organics- Indicates presumptive evidence of a compound (reported as a tentatively identified compound) based on the mass spectral library search.

ACCREDITED IN ACCORDANCE WITH nelac

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

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

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

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1130
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-1S		
Lab Code:	R0900942-001	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	12		µg/L	10	1	2/24/09	2/26/09 20:56
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 20:56
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 20:56
Lead, Total	200.7	5.7		µg/L	5.0	1	2/24/09	2/26/09 20:56
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 12:11
Zinc, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 20:56

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1000
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-2S		
Lab Code:	R0900942-002	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	10	U	µg/L	10	1	2/24/09	2/26/09 21:13
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:13
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:13
Lead, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:13
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 13:50
Zinc, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:13

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1000
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-2S	**Units:**	µg/L
Lab Code:	R0900942-002	**Basis:**	NA

Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,1,1-Trichloroethane (TCA)	25		0.50	1	NA	3/5/09 19:07		145290	
1,1,2,2-Tetrachloroethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,1,2-Trichloroethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,1-Dichloroethene (1,1-DCE)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,1-Dichloropropene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2,3-Trichlorobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2,3-Trichloropropane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2,4-Trichlorobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2,4-Trimethylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2-Dibromo-3-chloropropane (DBCP)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2-Dibromoethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2-Dichlorobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2-Dichloroethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,3,5-Trimethylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,3-Dichlorobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,3-Dichloropropane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,4-Dichlorobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
2,2-Dichloropropane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
2-Chlorotoluene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
4-Chlorotoluene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
p-Isopropyltoluene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Benzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Bromobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Bromochloromethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Bromodichloromethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Bromoform	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Bromomethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Carbon Tetrachloride	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Chlorobenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Chloroethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Chloroform	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Chloromethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1000
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-2S	**Units:**	µg/L
Lab Code:	R0900942-002	**Basis:**	NA

Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Dibromochloromethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Dibromomethane	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Dichlorodifluoromethane (CFC 12)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Methylene Chloride	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Ethylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Hexachlorobutadiene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Isopropylbenzene (Cumene)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Methyl tert-Butyl Ether	**16**		0.50	1	NA	3/5/09 19:07		145290	
Naphthalene	**0.65**		0.50	1	NA	3/5/09 19:07		145290	
Styrene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Tetrachloroethene (PCE)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Toluene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Trichloroethene (TCE)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Trichlorofluoromethane (CFC 11)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
Vinyl Chloride	**1.3**		0.50	1	NA	3/5/09 19:07		145290	
cis-1,2-Dichloroethene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
cis-1,3-Dichloropropene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
m,p-Xylenes	1.0	U	1.0	1	NA	3/5/09 19:07		145290	
n-Butylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
n-Propylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
o-Xylene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
sec-Butylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
tert-Butylbenzene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
trans-1,2-Dichloroethene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
trans-1,3-Dichloropropene	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,1-Dichloroethane (SPCC)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
1,2-Dichloropropane (CCC)	0.50	U	0.50	1	NA	3/5/09 19:07		145290	
2-Methyl-2-propanol (tert-Butyl Alcohol)	**43**		20	1	NA	3/5/09 19:07		145290	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1000
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-2S	**Units:**	Percent
Lab Code:	R0900942-002	**Basis:**	NA

Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
1,2-Dichlorobenzene-d4	94	70-130	3/5/09 19:07		
4-Bromofluorobenzene	89	70-130	3/5/09 19:07		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 0815
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-3S		
Lab Code:	R0900942-003	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	10	U	µg/L	10	1	2/24/09	2/26/09 21:19
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:19
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:19
Lead, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:19
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 12:18
Zinc, Total	200.7	45		µg/L	20	1	2/24/09	2/26/09 21:19

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1215
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-1D		
Lab Code:	R0900942-004	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	10	U	µg/L	10	1	2/24/09	2/26/09 21:25
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:25
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:25
Lead, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:25
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 12:20
Zinc, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:25

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 1040
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-2D		
Lab Code:	R0900942-005	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	10	U	µg/L	10	1	2/24/09	2/26/09 21:31
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:31
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:31
Lead, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:31
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 12:27
Zinc, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:31

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	2/20/09 0900
Sample Matrix:	Water	**Date Received:**	2/23/09
Sample Name:	MW-3D		
Lab Code:	R0900942-006	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	10	U	µg/L	10	1	2/24/09	2/26/09 21:37
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:37
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 21:37
Lead, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 21:37
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 12:29
Zinc, Total	200.7	**44**		µg/L	20	1	2/24/09	2/26/09 21:37

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank		
Lab Code:	R0900942-MB	**Basis:**	NA

Inorganic Parameters

Analyte Name	Method	Result	Q	Units	MRL	Dilution Factor	Date Extracted	Date Analyzed
Arsenic, Total	200.7	10	U	µg/L	10	1	2/24/09	2/26/09 18:53
Cadmium, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 18:53
Copper, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 18:53
Lead, Total	200.7	5.0	U	µg/L	5.0	1	2/24/09	2/26/09 18:53
Mercury, Total	245.1	0.30	U	µg/L	0.30	1	3/ 3/09	3/4/09 11:45
Zinc, Total	200.7	20	U	µg/L	20	1	2/24/09	2/26/09 18:53

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0901449-01	**Basis:**	NA

Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,1,1,2-Tetrachloroethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,1,1-Trichloroethane (TCA)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,1,2,2-Tetrachloroethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,1,2-Trichloroethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,1-Dichloroethene (1,1-DCE)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,1-Dichloropropene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2,3-Trichlorobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2,3-Trichloropropane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2,4-Trichlorobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2,4-Trimethylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2-Dibromo-3-chloropropane (DBCP)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2-Dibromoethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2-Dichlorobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2-Dichloroethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,3,5-Trimethylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,3-Dichlorobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,3-Dichloropropane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,4-Dichlorobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
2,2-Dichloropropane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
2-Chlorotoluene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
4-Chlorotoluene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
p-Isopropyltoluene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Benzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Bromobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Bromochloromethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Bromodichloromethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Bromoform	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Bromomethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Carbon Tetrachloride	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Chlorobenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Chloroethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Chloroform	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Chloromethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	µg/L
Lab Code:	RQ0901449-01	**Basis:**	NA

Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Analyte Name	Result	Q	MRL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
Dibromochloromethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Dibromomethane	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Dichlorodifluoromethane (CFC 12)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Methylene Chloride	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Ethylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Hexachlorobutadiene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Isopropylbenzene (Cumene)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Methyl tert-Butyl Ether	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Naphthalene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Styrene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Tetrachloroethene (PCE)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Toluene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Trichloroethene (TCE)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Trichlorofluoromethane (CFC 11)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
Vinyl Chloride	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
cis-1,2-Dichloroethene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
cis-1,3-Dichloropropene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
m,p-Xylenes	1.0	U	1.0	1	NA	3/5/09 18:36		145290	
n-Butylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
n-Propylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
o-Xylene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
sec-Butylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
tert-Butylbenzene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
trans-1,2-Dichloroethene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
trans-1,3-Dichloropropene	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,1-Dichloroethane (SPCC)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
1,2-Dichloropropane (CCC)	0.50	U	0.50	1	NA	3/5/09 18:36		145290	
2-Methyl-2-propanol (tert-Butyl Alcohol)	20	U	20	1	NA	3/5/09 18:36		145290	

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	Shaw Environmental & Infrastructure, Inc.	**Service Request:**	R0900942
Project:	Taylor Lane - Mamaroneck/130679	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	Percent
Lab Code:	RQ0901449-01	**Basis:**	NA

Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q	Note
1,2-Dichlorobenzene-d4	88	70-130	3/5/09 18:36		
4-Bromofluorobenzene	82	70-130	3/5/09 18:36		

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Shaw Environmental & Infrastructure, Inc.
Project: Taylor Lane - Mamaroneck/130679
Sample Matrix: Water

Service Request: R0900942
Date Analyzed: 2/26/09 - 3/4/09

Lab Control Sample Summary
Inorganic Parameters

Units: µg/L
Basis: NA

Analyte Name	Method	Lab Control Sample R0900942-LCS Result	Expected	% Rec	% Rec Limits
Arsenic, Total	200.7	**39.0**	40	97	85 - 115
Cadmium, Total	200.7	**48.1**	50.0	96	85 - 115
Copper, Total	200.7	**255**	250	102	85 - 115
Lead, Total	200.7	**501**	500	100	85 - 115
Mercury, Total	245.1	**1.05**	1.00	105	85 - 115
Zinc, Total	200.7	**484**	500	97	85 - 115

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Shaw Environmental & Infrastructure, Inc.
Project: Taylor Lane - Mamaroneck/130679
Sample Matrix: Water

Service Request: R0900942
Date Analyzed: 3/ 5/09

Lab Control Sample Summary
Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Units: µg/L
Basis: NA

Analysis Lot: 145290

Analyte Name	Lab Control Sample RQ0901449-02 Result	Expected	% Rec	% Rec Limits
1,1,1,2-Tetrachloroethane	**5.18**	5.00	104	70 - 130
1,1,1-Trichloroethane (TCA)	**4.90**	5.00	98	70 - 130
1,1,2,2-Tetrachloroethane	**5.40**	5.00	108	70 - 130
1,1,2-Trichloroethane	**4.98**	5.00	100	70 - 130
1,1-Dichloroethene (1,1-DCE)	**5.03**	5.00	101	70 - 130
1,1-Dichloropropene	**4.90**	5.00	98	70 - 130
1,2,3-Trichlorobenzene	**5.37**	5.00	107	70 - 130
1,2,3-Trichloropropane	**5.18**	5.00	104	70 - 130
1,2,4-Trichlorobenzene	**5.46**	5.00	109	70 - 130
1,2,4-Trimethylbenzene	**5.11**	5.00	102	70 - 130
1,2-Dibromo-3-chloropropane (DBCP)	**4.59**	5.00	92	70 - 130
1,2-Dibromoethane	**5.34**	5.00	107	70 - 130
1,2-Dichlorobenzene	**5.44**	5.00	109	70 - 130
1,2-Dichloroethane	**5.16**	5.00	103	70 - 130
1,3,5-Trimethylbenzene	**5.68**	5.00	114	70 - 130
1,3-Dichlorobenzene	**5.12**	5.00	102	70 - 130
1,3-Dichloropropane	**5.33**	5.00	107	70 - 130
1,4-Dichlorobenzene	**5.40**	5.00	108	70 - 130
2,2-Dichloropropane	**4.89**	5.00	98	70 - 130
2-Chlorotoluene	**5.42**	5.00	108	70 - 130
4-Chlorotoluene	**5.54**	5.00	111	70 - 130
p-Isopropyltoluene	**5.58**	5.00	112	70 - 130
Benzene	**5.25**	5.00	105	70 - 130
Bromobenzene	**5.38**	5.00	108	70 - 130
Bromochloromethane	**5.00**	5.00	100	70 - 130
Bromodichloromethane	**5.32**	5.00	106	70 - 130
Bromoform	**4.89**	5.00	98	70 - 130
Bromomethane	**4.74**	5.00	95	70 - 130
Carbon Tetrachloride	**4.80**	5.00	96	70 - 130
Chlorobenzene	**5.24**	5.00	105	70 - 130
Chloroethane	**5.02**	5.00	100	70 - 130
Chloroform	**5.58**	5.00	112	70 - 130
Chloromethane	**4.94**	5.00	99	70 - 130
Dibromochloromethane	**5.19**	5.00	104	70 - 130
Dibromomethane	**4.46**	5.00	89	70 - 130
Dichlorodifluoromethane (CFC 12)	**5.03**	5.00	101	70 - 130
Methylene Chloride	**5.08**	5.00	102	70 - 130

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: Shaw Environmental & Infrastructure, Inc.
Project: Taylor Lane - Mamaroneck/130679
Sample Matrix: Water

Service Request: R0900942
Date Analyzed: 3/ 5/09

Lab Control Sample Summary
Purgeable Organic Compounds by GC/MS

Analytical Method: 524.2

Units: µg/L
Basis: NA

Analysis Lot: 145290

Analyte Name	Lab Control Sample RQ0901449-02 Result	Expected	% Rec	% Rec Limits
Ethylbenzene	**5.37**	5.00	107	70 - 130
Hexachlorobutadiene	**5.25**	5.00	105	70 - 130
Isopropylbenzene (Cumene)	**5.34**	5.00	107	70 - 130
Methyl tert-Butyl Ether	**5.20**	5.00	104	70 - 130
Naphthalene	**4.43**	5.00	89	70 - 130
Styrene	**5.74**	5.00	115	70 - 130
Tetrachloroethene (PCE)	**5.19**	5.00	104	70 - 130
Toluene	**5.32**	5.00	106	70 - 130
Trichloroethene (TCE)	**4.98**	5.00	100	70 - 130
Trichlorofluoromethane (CFC 11)	**5.01**	5.00	100	70 - 130
Vinyl Chloride	**5.00**	5.00	100	70 - 130
cis-1,2-Dichloroethene	**5.04**	5.00	101	70 - 130
cis-1,3-Dichloropropene	**5.16**	5.00	103	70 - 130
m,p-Xylenes	**11.3**	10.0	113	70 - 130
n-Butylbenzene	**5.60**	5.00	112	70 - 130
n-Propylbenzene	**5.57**	5.00	111	70 - 130
o-Xylene	**5.41**	5.00	108	70 - 130
sec-Butylbenzene	**5.36**	5.00	107	70 - 130
tert-Butylbenzene	**5.44**	5.00	109	70 - 130
trans-1,2-Dichloroethene	**5.20**	5.00	104	70 - 130
trans-1,3-Dichloropropene	**5.07**	5.00	101	70 - 130
1,1-Dichloroethane (SPCC)	**5.14**	5.00	103	70 - 130
1,2-Dichloropropane (CCC)	**5.22**	5.00	104	70 - 130
2-Methyl-2-propanol (tert-Butyl Alcohol)	**98.0**	100	98	70 - 130

Comments:

Columbia Analytical Services, Inc.
An Employee - Owned Company
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

One Mustard St., Suite 250 • Rochester, NY 14609-0859 • (585) 288-5380 • 800-695-7222 x11 • FAX (585) 288-8475 PAGE 01 OF 01

SR #

CAS Contact

Project Name: Taylor Lane Manufactured	Project Number: 130679
Project Manager: Steve Goldberg	Report CC:
Company/Address: Shaw E&I - 92 North Ave Suite 106 New Rochelle NY 10801	
Phone #: 914 633-9324	FAX #: 914-235-0717
Sampler's Signature:	Sampler's Printed Name: SANJAY SHARMA

ANALYSIS REQUESTED (Include Method Number and Container Preservative)

PRESERVATIVE

CLIENT SAMPLE ID	FOR OFFICE USE ONLY LAB ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NUMBER OF CONTAINERS	GC/MS VOA's ☐8260 ☐624 ☐CLP	GC/MS SVOA's ☐8270 ☐625 ☐CLP	GC VOA's ☐8021 ☐601/602	PESTICIDES ☐8081 ☐608 ☐CLP	PCB's ☐8082 ☐608 ☐CLP	METALS, TOTAL (List in comments below)	METALS, DISSOLVED (List in comments below)	250.7/245.1	524.2								REMARKS/ ALTERNATE DESCRIPTION
MW-1S		02/20/09	11:30	AQ	01								X	X								
MW-2S			10:50		4								X	X								
MW-3S			8:15		01								X	X								
MW-1D			12:15		01								X	X								
MW-2D			10:40		01								X	X								
MW-3D			9:60		01								X	X								

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

SPECIAL INSTRUCTIONS/COMMENTS

Metals As, Cd, Cu, Pb, Hg, Zn.
Detection limits must be at or below NYSDEC GA Quality Std for all measurements

See QAPP ☐

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

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

INVOICE INFORMATION
PO#
BILL TO:
SUBMISSION #:

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

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: SANJAY	Printed Name: Gregory O. Emerian	Printed Name	Printed Name	Printed Name	Printed Name
Firm: SHAW	Firm: CAS	Firm	Firm	Firm	Firm
Date/Time: 2/20/09 - 16:00hrs	Date/Time: 2-21-09 9:35	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator; Yellow - Lab Copy; Pink - Retained by Client

SCOC-1102-08

Cooler Receipt And Preservation Check Form

Project/Client Shaw Submission Number R-942

Cooler received on 2-21-09 by: KE COURIER: CAS (UPS) FEDEX VELOCITY CLIENT

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

Date/Time Temperatures Taken: 2-21-09 @ 9:41

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

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

PC Secondary Review: _____

Cooler Breakdown: Date: 2/23/09 by: _____

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

Explain any discrepancies: _____

pH	Reagent	YES	NO	Lot Received	Exp	Sample ID	Vol. Added	Lot Added	Final pH
≥12	NaOH								
≤2	HNO_3	✓		BD B3609B	01/10				
≤2	H_2SO_4								
Residual Chlorine (-)	For TCN and Phenol			If present, contact PM to add ascorbic acid					
	$Na_2S_2O_3$	-	-						
	Zn Aceta	-	-						
	HCl	*	*						

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

Yes = All samples OK

No = Samples were preserved at lab as listed

PM OK to Adjust: _____

Bottle lot numbers: 012609-21

Other Comments:

PC Secondary Review: _____

*significant air bubbles are greater than 5-6 mm

ATTACHMENT C

GAS VENT AND BAR HOLE MONITORING DATA

TAYLOR LANE, MAMARONECK - FIELD DATA - 7/23/2008

Gas Vent Pipe's readings by GEM 2000

GV #	CH_4 (%)	CO_2 (%)	O_2 (%)	Balance (%)	Remarks
1	0	0.1	20.9	79	
2					Not Accessible due to vegetation
3					Not Accessible due to vegetation
4	19.5	7.9	11.3	61.3	Probe could not go beyond 11.6'
5	31.8	19.3	LOW	LOW	**High LEL %;** Probe could not go beyond 11.2'
6	0	0.2	20.6	79.2	Probe could not go beyond 11.7'
7					Not Accessible due to vegetation
8	0	0	21.1	78.9	DOW of MW-14

SLAM BAR SAMPLING DATA USING GEM 2000

Location	Depth (in ft)	PID (ppm)	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Remarks
Along Taylor Lane:							
Near small gate	1.5'	0	0	0.1	20.8	79.1	
Near MW-1	0.5'	0	0	0.6	20.4	79	
Between MW1 & 2	2.5'	0	0	0.2	20.7	79.1	
Between MW 2 & 3	2.5'	0	0	0.1	20.7	79.2	
Corner of Taylor Ln-Shadow Ln	2.0'	0	0	1	20.2	78.8	
Along Shadow Lane:							
1	1.5'	0	0	0.8	20.3	78.9	
2	2'	0	0	0.3	20.7	79	
3	2.5'	0	0	0.5	20.6	78.9	
4	1.5'	0	0	3	17.4	79.6	
Along NE Side of the landfill:							
Markowitz's house	2'	0	0	0.2	20.6	79.2	
Weinstein's house	2.5'	0	0	0.1	20.9	79	
Close to MW-9	1.5'	0	10.8	5.6	9.7	73.9	

TAYLOR LANE, MAMARONECK - FIELD DATA - 02.20.2009

Gas Vent's Sampling Data by GEM 2000						
GV #	PID (ppm)	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Remarks
1	0	0	1.1	19.4	79.5	
2	0	0.5	1.6	19.3	78.6	
3	0	0	0	20.8	79.2	
4	0	0	0	20.9	79.1	
5	0	0.1	7.3	11.6	81	
6	0	0	0	20.9	79.1	
7	0	0	0.4	20.6	79	
8	0	0	0.3	20.7	79	

Bar Hole Sampling Data by GEM 2000						
Location	PID (ppm)	CH4 (%)	CO2 (%)	O2 (%)	Balance (%)	Remarks
Along Taylor Lane:						
Near small gate	0	0	0.1	20.1	79.8	
Near MW-1	0	0.7	0.6	18.6	80.1	
Between MW1 & 2	0	0	0	20.4	79.6	
Between MW 2 & 3	0	0	0.1	20.4	79.5	
Corner of Taylor Ln-Shadow Ln	0	0	0.1	20.6	79.3	
Along Shadow Lane:						
1	0	0	2.5	19.9	77.6	
2	0	0	0.8	20.3	78.9	
3	0	0	0.9	20.6	78.5	
4	0	0	0.2	20.8	79	
Along Greenhaven Lane (NE Side)						
Weinstein's House	0	0	0.8	19.9	79.3	
Close to MW-9	0	0.1	0.9	18.9	80.1	
Markowitz House	0	0	0	20.7	79.3	