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Sterling Environmental Engineering, P.C.

December 2, 2010

Mr. Carl Hoffman, P.E.
Environmental Engineer II
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233-7013

Subject: Town of Ramapo Landfill
2010 4th Quarter Sampling Results for Downgradient Drinking Water Supply Wells
STERLING File #20010 (Task 404)

Dear Mr. Hoffman,

This report provides analytical results for samples collected from sentinel monitoring wells and drinking water supply wells located downgradient from the Town of Ramapo Landfill (Landfill), Rockland County, New York. The samples were collected by Sterling Environmental Engineering, P.C. (STERLING), in response to a requirement by the United States Environmental Protection Agency (USEPA) that drinking water supply wells be sampled on a quarterly basis as outlined in the USEPA December 2009 5-Year report for the Ramapo Landfill. In addition, three (3) downgradient sentinel monitoring wells were also sampled.

Groundwater samples were collected on October 20, 2010 by STERLING from monitoring well locations 9-OS, 9-I and 9-R, private water supply wells PW-1 and PW-2, and municipal water supply wells SVWC-93, SVWC-95 and SVWC-96 (United Water wells). Municipal water supply well SVWC-94 is out of service and no sample was collected from this well. Sample locations are shown on Figure 1. A representative from United Water New York was present during the sampling of the SVWC water supply wells. The water sample for PW-1 was collected from the Torne Brook Estates office tap because the PW-1 well pump was not functioning due to lack of power as a result of a recent fire.

Results for the 2010 4th quarter sampling event are summarized below.

GROUNDWATER MONITORING

Water Level (for monitoring wells only), Specific Conductivity, Temperature and Oxidation Reduction Potential (ORP) readings were measured in the field and are presented on Table 1, "Field Parameters and Water Levels". All samples were analyzed for Total Kjeldhal Nitrogen (TKN), Chemical Oxygen Demand (COD), Alkalinity, Hardness, Total Analyte List Metals (TAL Metals) and the following Volatile Organic Compounds (VOCs): Benzene, Chlorobenzene, 1,1 Dichloroethane and Vinyl Chloride. In addition, private water supply well PW-2 was analyzed for a full VOC analysis by USEPA Method 601 and 602. Samples were analyzed by TestAmerica, Inc. laboratory, located in Amherst, New York, according to the USEPA methodologies and protocols and the New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category A reporting requirements. A copy of the laboratory report is attached.

The 2010 4th Quarter analytical results are summarized on Table 2, "Quarterly Groundwater Quality Analytical Results." This table also includes analytical data for the previous three (3) sampling events.

A duplicate sample was collected from groundwater well MW-9R and labeled DUPLICATE.

The 2010 reported parameter concentrations for monitoring wells MW-9OS, MW-9I, and MW-9R are compared with the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (June 1998) (TOGS 1.1.1). The reported concentrations for drinking water supply wells PW-1, PW-2, SVWC-93, SVWC-95 and SVWC-96 are compared with the USEPA National Primary Drinking Water Maximum Contaminant Levels (USEPA MCLs) and the 10 NYCRR Part 5, Subpart 5-1 maximum contaminant levels (Part 5 MCLs):

Well 9-OS:

Reported concentrations for Chromium and Iron exceed the applicable groundwater standards in TOGS 1.1.1. No detected VOCs are reported for this sample.

Well 9-I:

Reported concentrations for Chromium, Iron and Manganese exceed the applicable groundwater standards in TOGS 1.1.1. No detected VOCs are reported for this sample.

Well 9-R:

Reported concentrations for Iron and Manganese exceed the applicable groundwater standards in TOGS 1.1.1. The reported concentration for Sodium exceeds the TOGS 1.1.1 standard. Vinyl Chloride is reported at 0.33 ug/L, however does not exceed the groundwater standard of 2 ug/L and Chlorobenzene is reported at 0.31 ug/L, however does not exceed the groundwater standard of 5 ug/L. No other detected VOCs are reported for this sample.

Well PW-1:

Parameters reported at detectable concentrations do not exceed the USEPA MCLs or the Part 5 MCLs. No detected VOCs are reported for this sample.

Well PW-2:

Parameters reported at detectable concentrations do not exceed the USEPA MCLs or the Part 5 MCLs. Chloromethane is reported at 0.36 ug/L as an estimated value, and is less than the groundwater standard of 5 ug/L.

Wells SVWC-93, SVWC-95, SVWC-96:

Parameters reported at detectable concentrations for the United Water wells do not exceed the USEPA or Part 5 MCLs with the exception of Manganese at SVWC-95. While there is no USEPA or Part 5 MCL

for Sodium, the reported Sodium levels for all there (3) wells should be considered with regards to guidelines provided in Part 5 for people following restricted Sodium diets.

Conclusions:

Analytical results for water samples from MW-9R report Sodium at concentrations that exceed the TOGS 1.1.1 groundwater standard of 20,000 ug/L. Historical data from June 1999 to October 2010 indicate Sodium concentrations consistently exceed the groundwater standard, and are increasing over time in these wells.

Analytical results from the May 2010 monitoring event report Sodium at exceedance concentrations for the following wells: 1-0S/I, 3-0S/I, 4-0S, 8-0S, 8-I, 8-R, 9-R, SVWC-93, SVWC-95 and SVWC-96. Sodium sources can include surface runoff impacted by road salt applications and naturally occurring Sodium in bedrock aquifers. Further evaluation is necessary to isolate the Sodium source.

Please contact me should you have any questions or comments.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

(bc)

Elizabeth M. Davis

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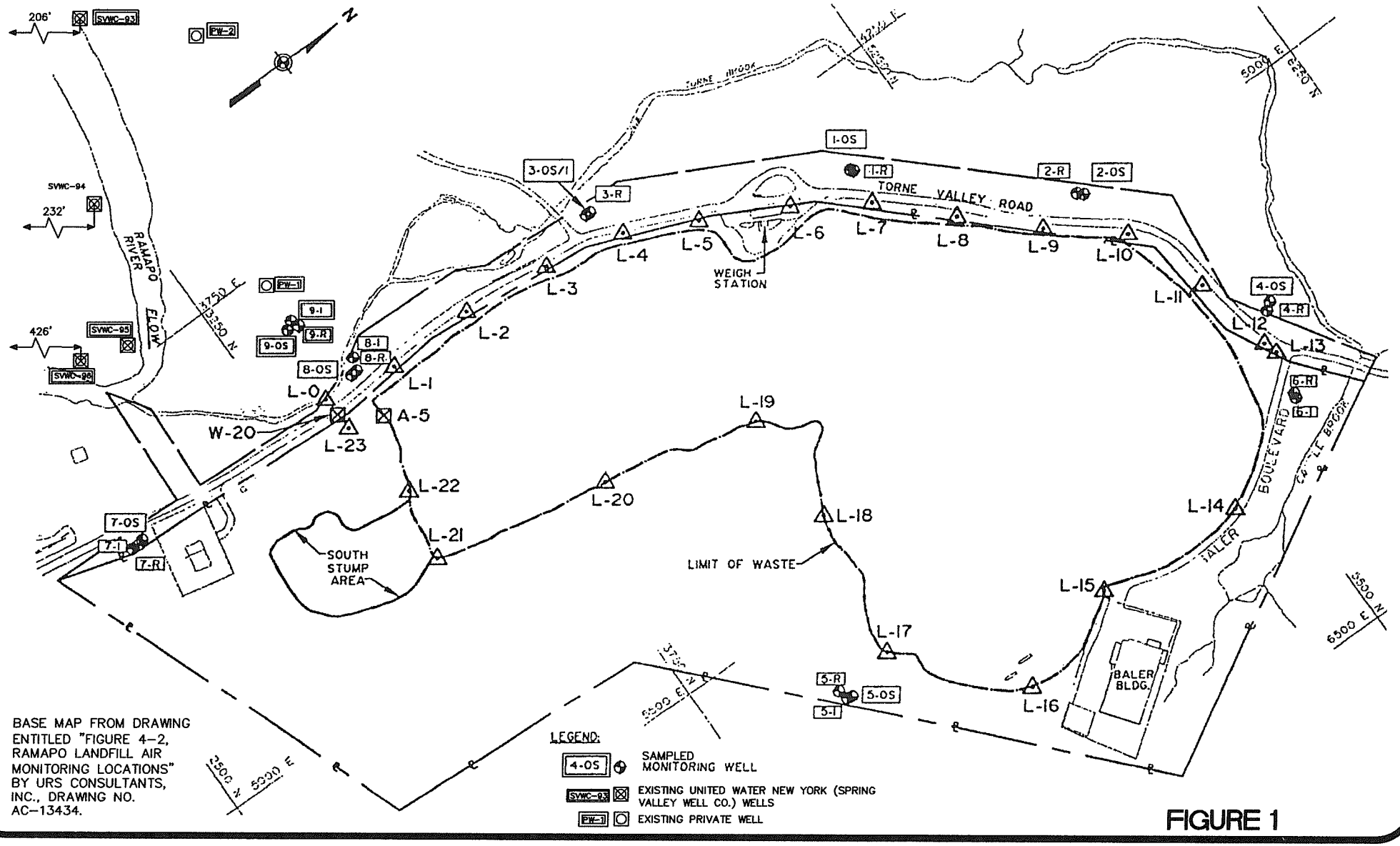
EMD/bc
Email Only (NYSDEC)
Attachments (Figure 1, Tables 1 & 2, Laboratory Report)

cc: George Jacob, USEPA
John Olm, NYSDOH
Ed Moran, Town of Ramapo
Judy Hunderfund, Rockland County DOH
Kathy Quinn, Rockland County DOH
Chris Berke, United Water New York
Tanyo Parashkevov, United Water New York
John France, Torne Brook Farm
Rosie Digianni, 20 Torne Brook Road
Arlene Lapidos, Ramapo Land Co., Inc.

FIGURE 1



BASE MAP FROM DRAWING ENTITLED "FIGURE 4–2, RAMAPO LANDFILL AIR MONITORING LOCATIONS" BY URS CONSULTANTS, INC., DRAWING NO. AC–13434.

FIGURE 1

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Sterling Environmental Engineering, P.C.

24 Wade Road • Latham, New York 12110

4TH QUARTER 2010 DRINKING WATER SUPPLY AND MW–9 SENTINEL WELLS MONITORING LOCATIONS

TOWN OF RAMAPO LANDFILL

TOWN OF RAMAPO ROCKLAND CO., N.Y.

PROJ. No.:	E20010	DATE:	11–18–10	SCALE:	1"=400'	DWG. NO.	20010018	FIGURE	1

TABLES

TABLE 1

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING
FIELD PARAMETERS AND WATER LEVELS
October 20, 2010

Well I.D.	Date	Static Water Level (feet) [1]	pH (pH units) [2]	Specific Conductance (mmhos)	Temperature (degrees C)	ORP (mV)
9-OS	10/20/2010	8.65	6.57	0.141	17.56	135.7
9-I	10/20/2010	10.77	6.60	0.121	17.18	161.1
9-R	10/20/2010	11.75	7.10	0.896	12.52	-58.9
PW-1	10/20/2010	---	6.60	0.198	18.15	228.2
PW-2	10/20/2010	---	7.26	0.229	15.45	181.2
SVWC-93	10/20/2010	---	7.15	0.550	17.35	159.2
SVWC-95	10/20/2010	---	7.23	0.442	15.45	108.4
SVWC-96	10/20/2010	---	7.25	0.487	15.08	112.7

NOTES: [1] Depth to water surface from top of PVC well riser, prior to purging and sampling.
[2] pH standard range 6.5 - 8.5 (from T.O.G.S. 1.1.1, June 1998).

SVWC-94 out of service for October 20, 2010 monitoring event.

--- Not Measured, field parameter not required

ORP Oxidation Reduction Potential

TABLE 2

TOWN OF RAMAPO LANDFILL
QUARTERLY GROUNDWATER QUALITY ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 9-OS				WELL 9-I				WELL 9-R					USEPA MCLS [2]	NYSDOH Part 5 [3]	UNITS	WELL PW-1			
			Oct-07	Mar-09	May-10	Oct-10	Oct-07	Mar-09	May-10	Oct-10	Oct-07	Mar-09	May-10	Oct-10	DUPLICATE [7] Oct-10				Oct-07	Mar-09	May-10	Oct-10
Leachate Indicator Parameters:																						
Alkalinity	---	mg/L	14	12	12.3 B	9.9 J,B	18	18	8.3 J,B	8.3 J,B	130	150	159 D08,B	137 D08,B	115 D08,B	---	---	mg/L	20	18	22 B	21.5 B
Chemical Oxygen Demand	---	mg/L	120	120	24.3	4.8 J	10 U	37	10 U	9.4 J	10 U	10 U	7 J	13.6	14	---	---	mg/L	55	10 U	10 U	10 U
Total Hardness	---	mg/L	32	40	30.4	31.7	32	44	26.2 D08	49.3 D08	120	160	350	200	3,500 D08	---	---	mg/L	32	40	49.6	42.7
Total Kjeldhal Nitrogen	---	mg/L	3.2	5.4	1.38	0.77	0.2 U	0.099 J	0.16 J	0.2 U	5.9	5.6	6.23 D08	7.05 D08	6.94 D08	---	---	mg/L	0.2 U	0.2 U	0.15 J	0.2 U
TAL Metals:																						
Aluminum	---	ug/L	4,000	3,900	2,430	1,010	21,000	13,000	18,300	32,300	140	100 U	495	200 U	200 U	50 to 200 [4]	---	ug/L	50 U	100 U	200 U	200 U
Antimony	3	ug/L	2 J	60 U	3 U	3 U [8]	3 U	60 U	3 U	3 U [8]	3 U	60 U	3 U	3 U [8]	3 U [8]	6	6	ug/L	3 U	60 U	3 U	3 U [8]
Arsenic	25	ug/L	4.2 J	10 U	10 U	10 U	4.4 J	10 U	10 U	10	6.1	5.7 J	8.4 J	10 U	5.6 J	10	50	ug/L	5 U	100 U	10 U	10 U
Barium	1,000	ug/L	33 J	37 J	22.9 B	19.3	180	120	159 B	248	24 J	28 J	37.4 B	40.9	41	2,000	2,000	ug/L	5.5 J	5.9 J	10.2 B	9.4
Beryllium	3	ug/L	0.34 J	0.25 J	2 U	2 U	1.2 J	0.71 J	0.9 J	1.8 J	0.1 J	3 U	2 U	2 U	2 U	4	4	ug/L	3 U	3 U	2 U	2 U
Cadmium	5	ug/L	1 U	5 U	1 U	1 U	1 U	5 U	1 U	0.5 J	1 U	5 U	1 U	1 U	0.3 J	5	5	ug/L	1 U	5 U	1 U	1 U
Calcium	---	ug/L	8,100	9700	8,600	9,200	12,000	12,000	10,200	17,800	31,000	38000	47,300	53,400	53,000	---	---	ug/L	8,200	10,000	15,500	13,000
Chromium	50	ug/L	**330**	**300**	**176**	**208**	**150**	38	**53.9**	**279**	4.3 J	10 U	2.5 J	1.8 J	1.4 J	100	100	ug/L	10 U	10 U	4 U	1.4 J
Cobalt	---	ug/L	10 U	50 U	1.6 J	0.7 J	27	11 J	14.3	37.8	10 U	50 U	3.7 J	4	4.1	---	---	ug/L	10 U	50 U	4 U	4 U
Copper	200	ug/L	14	16	7.2 J	3.1 J	44	27	33 B	69.8	10 U	10 U	10 U	10 U	10 U	1,000 [4]	---	ug/L	60	100	117	359 CF6
Iron	300	ug/L	**6,300**	**7800**	**4,640** B	**2,580**	**41,000**	**23,000**	**30,300** B	**65,700**	**8,500**	**9400**	**12,500** B	**12,200**	**12,400**	300 [4]	300	ug/L	17 J	12 J	23 J, B	50 U
Lead	25	ug/L	6.1	10 U	5 U	5 U	4.8 J	10 U	3.6 J	14.6	5 U	10 U	5 U	3.6 J	5 U	15 [5]	---	ug/L	5 U	10 U	5 U	8.9 CF6
Magnesium	35,000 GV	ug/L	2,500	3300	2,490	2,380	7,900	5,900	6,300	11,800	9,300	11000	13,700	15,300	15,200	---	---	ug/L	2,300	2,800	4,160	3,450
Manganese	300	ug/L	140	150	90.1 B	33.1 B	**560**	290	**392** B	**859** B	**2,900**	**3700**	**4,030** B	**4,470** B	**4,460** B	50 [4]	300	ug/L	50 U	50 U	1.2 J, B	1.4 J,B
Mercury	0.7	ug/L	0.049 J	0.2 U	0.2 U	0.2	0.078 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	2	2	ug/L	0.047 J	0.2 U	0.2 U	0.2 U
Nickel	100	ug/L	34 J	28 J	13.4	13.4	31 J	19 J	23.4	71.1	3.2 J	2.5 J	3.4 J	3.3 J	3.2 J	---	---	ug/L	50 U	50 U	10 U	10 U
Potassium	---	ug/L	1,700 J	5700	1,800	1,320	6,200	3,900 J	5,440	8,230	11,000	12000	13,100	13,700	13,600	---	---	ug/L	910 J	880 J	1,120	1,130
Selenium	10	ug/L	5 U	10 U	15.0 U	15 U	5 U	10 U	15 U	15 U	5 U	10 U	15 U	15 U	15 U	50	50	ug/L	5 U	10 U	15 U	15 U
Silver	50	ug/L	10 U	10 U	3 U	3 U	10 U	10 U	3 U	3 U	10 U	10 U	3 U	3 U	3 U	100 [4]	100	ug/L	10 U	10 U	3 U	3 U
Sodium	20,000	ug/L	7,200	8300	8,200	12,300	9,800	15,000	14,200	15,500	**35,000**	**44,000**	**59,300**	**72,500**	**73,300**	---	--- [9]	ug/L	12,000	12,000	18,600	18,400
Thallium	0.5 GV	ug/L	10 U	20 U	0.5 U	0.5 U [8]	10 U	20 U	0.5 U	0.5 U [8]	10 U	20 U	0.5 U	0.5 U [8]	0.5 U [8]	2	2	ug/L	10 U	20 U	0.5 U	0.5 U [8]
Vanadium	---	ug/L	8.6 J	10 J	5.9	3.7 J	43 J	24 J	32.6	71.2	50 U	50 U	1.4 J	1.2 J	1.6 J	---	---	ug/L	50 U	50 U	5 U	5 U
Zinc	2,000 GV	ug/L	13	21	11.6	4.2 J	56	35	38.6	81.9	10 U	8.1 J	10 U	10 U	3.9 J	5,000 [4]	5,000	ug/L	24	22	35.6	59.9
VOCs by EPA Method 8260B [6]:																						
1,1-Dichloroethane	5	ug/L	0.5 U	0.50 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	1 U	---	5	ug/L	0.5 U	0.5 U	1 U	1 U
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.19 J	0.33 J	0.3 J	2	2	ug/L	1 U	1 U	1 U	1 U
Benzene	1	ug/L	0.5 U	0.50 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.50 U	1 U	1 U	1 U	5	5	ug/L	0.5 U	0.5 U	1 U	1 U
Chloromethane (Methyl Chloride)	5	ug/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	---	5	ug/L	NA	NA	NA	NA
Chlorobenzene	5	ug/L	0.5 U	0.50 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.22 J	1 U	0.31 J	0.29 J	100	5	ug/L	0.5 U	0.5 U	1 U	1 U

NOTES:

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.
All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. performed analyses for the 2006 - 2009 samples. TestAmerica Laboratories, Inc. performed analyses for 2010.

[1] Applicable or Relevant and Appropriate Requirements (ARARs): NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] USEPA National Primary Drinking Water Maximum Contaminant Levels (MCLs).
[3] 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Maximum Contaminant Levels (MCLs).
[4] USEPA National Secondary Drinking Water Standard.
[5] USEPA Treatment Technique Action Level.
[6] VOCs analyzed by US EPA Methods 601/602 for May 2010 and October 2010 sampling events.
[7] Duplicate sample obtained at well MW 9-R.
[8] Antimony and Thallium were analyzed by Method 200.8.
[9] According to NYS Part 5, water containing more than 20,000 ug/L of sodium should not be used for drinking by people on severely restricted sodium diets.

NA Not Analyzed.
TAL Total Analyte List.
--- No ARAR standard or no MCL.

Laboratory Qualifier Definitions:

TestAmerica Laboratories

B Analyte was detected in the associated Method Blank.
J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limits (MDL). Concentrations within this range are estimated.
U The compound was analyzed for but not detected at the detection limit listed.
D08 Dilution required due to high concentration of target analyte(s).

Life Science Laboratories, Inc.

J Analyte detected below Practical Quantitation Limit (PQL).
U The compound was analyzed for but not detected at the detection limit listed.

TABLE 2 (Continued)

TOWN OF RAMAPO LANDFILL
QUARTERLY GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	USEPA MCLS [2]	NYSDOH Part 5 [3]	UNITS	WELL PW-2 Oct-07	WELL PW-2 Mar-09	WELL PW-2 May-10	WELL PW-2 Oct-10	SVWC-93 Oct-07	SVWC-93 Mar-09	SVWC-93 May-10	SVWC-93 Oct-10	SVWC-95 Oct-07	SVWC-95 Mar-09	SVWC-95 May-10	SVWC-95 Oct-10	SVWC-96 Oct-07	SVWC-96 Mar-09	SVWC-96 May-10	SVWC-96 Oct-10
Leachate Indicator Parameters:																			
Alkalinity	---	---	mg/L	50	46	64.8 B	59.4 B	58	40	42.1 B	50.8 B	62	40	56.1 B	58.5 B	50	40	45.1 B	49.8 B
Chemical Oxygen Demand	---	---	mg/L	10 U	10 U	10 U	3.2 J	10 U	10 U	10 U	4.1 J	10 U	10 U	10 U	5.5 J	10 U	10 U	10 U	10 U
Total Hardness	---	---	mg/L	64	60	76.4	84.6	88	76	57.5	87.6	100	88	65.5	80.5	80	88	66.4	80.3
Total Kjeldhal Nitrogen	---	---	mg/L	0.2 U	0.2 U	0.26	0.28	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.2 U	0.20 U	0.2 U	0.2 U	0.1 J	0.26	0.2 U
TAL Metals:																			
Aluminum	50 to 200 [4]	---	ug/L	50 U	100 U	200 U	200 U	50 U	100 U	200 U	200 U	50 U	100 U	**105** J	200 U	50 U	100 U	200 U	200 U
Antimony	6	6	ug/L	3 U	60 U	3 U	3 U [8]	3 U	60 U	3 J	3 U [8]	3 U	60 U	3 U	3 U [8]	3 U	60 U	3 U	3 U [8]
Arsenic	10	50	ug/L	5 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U	5 U	10 U	10 U	10 U
Barium	2,000	2,000	ug/L	2.4 J	2.6 J	2.6 B	2.4	11 J	8.8 J	7.4 B	12.5	16 J	13 J	11.4 B	14.7	9.4 J	8.6 J	8.8 B	10.8
Beryllium	4	4	ug/L	3 U	3 U	2 U	2 U	3 U	3 U	2 U	2 U	3 U	3 U	2 U	2 U	3 U	3 U	2 U	2 U
Cadmium	5	5	ug/L	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U	1 U	5 U	1 U	1 U
Calcium	---	---	ug/L	21,000	25,000	29,400	29,200	25,000	23,000	17,500	24,800	25,000	24,000	20,300	23,100	22,000	23,000	19,700	23,100
Chromium	100	100	ug/L	10 U	10 U	4 U	1 J	10 U	10 U	4 U	4 U	10 U	10 U	4 U	1.3 J	10 U	10 U	4 U	1.3 J
Cobalt	---	---	ug/L	10 U	50 U	4 U	4 U	10 U	50 U	4 U	4 U	10 U	50 U	4 U	4 U	10 U	50 U	4 U	4 U
Copper	1,000 [4]	---	ug/L	200	61	53.4	43.2	8 J	3.9 J	19.3	9.7 J	4.4 J	5.4 J	11.2	6.3 J	4.3 J	6.3 J	8.5 J	6 J
Iron	300 [4]	300	ug/L	130	140	71 B	68	46 J	29 J	50 U	50 U	76	33 J	30 J,B	32 J	50 U	16 J	**598** B	50 U
Lead	15 [5]	---	ug/L	5 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	10 U	5 U	5 U
Magnesium	---	---	ug/L	2,400	2,900	3,430	3,540	6,100	5,900	4,560	6,130	6,500	6,700	5,530	6,120	5,800	6,300	5,240	6,310
Manganese	50 [4]	300	ug/L	5.6 J	1.8 J	3.1 B	1.8 J,B	50 U	50 U	0.3 J, B	0.3 J,B	**96**	**140**	**110** B	**125** B	50 U	50 U	22 B	2.1 J,B
Mercury	2	2	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.027 J	0.2 U	0.2 U	0.2 U	0.057 J	0.2 U	0.2 U	0.2 U	0.036 J	0.2 U	0.2 U	0.2 U
Nickel	---	---	ug/L	7 J	50 U	10 U	10 U	5.5 J	50 U	10 U	1.4 J	1.2 J	50 U	10 U	2.4 J	50 U	50 U	7.5 J	10 U
Potassium	---	---	ug/L	880 J	960 J	1,060	1,100	2,000 J	1,500 J	1,330	2,130	2,200 J	1,600 J	1,570	2,010	1,600 J	1,300 J	1,340	1,720
Selenium	50	50	ug/L	5 U	10 U	15 U	15 U	5 U	10 U	15 U	15 U	5 U	10 U	15 U	15 U	5 U	10 U	15 U	15 U
Silver	100 [4]	100	ug/L	10 U	10 U	3 U	3 U	10 U	10 U	3 U	3 U	10 U	10 U	3 U	3 U	10 U	10 U	3 U	3 U
Sodium	---	---	ug/L	6,100	7,400	8,600	8,600	60,000	52,000	41,600	68,900	53,000	49,000	47,200	52,500	56,000	54,000	48,600	60,900
Thallium	2	2	ug/L	10 U	20 U	0.5 U	0.5 U [8]	10 U	20 U	0.5 U	0.5 U [8]	10 U	10 U	0.5 U	0.5 U [8]	10 U	20 U	0.5 U	0.5 U [8]
Vanadium	---	---	ug/L	50 U	50 U	5 U	5 U	50 U	50 U	5 U	5 U	50 U	2 U	5 U	5 U	50 U	50 U	5 U	5 U
Zinc	5,000 [4]	5,000	ug/L	140	47	78.2	74.8	13	12 J	5.7 J	7.4 J	8.2 J	11 J	3.4 J	19.4	8.8 J	14 J	17.0	17.7
VOCs by EPA Method 8260B [6]:																			
1,1-Dichloroethane	---	5	ug/L	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U
Vinyl Chloride	2	2	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	0.13 J	1 U	1 U	1 U	1 U	1 U
Benzene	5	5	ug/L	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U
Chloromethane (Methyl Chloride)	---	5	ug/L	NA	NA	NA	0.36 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	100	5	ug/L	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U	1 U	1 U

NOTES:

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.
All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. performed analyses for the 2006 - 2009 samples. TestAmerica Laboratories, Inc. performed analyses for 2010.

[1] Applicable or Relevant and Appropriate Requirements (ARARs): NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] USEPA National Primary Drinking Water Maximum Contaminant Levels (MCLs).
[3] 10 NYCRR Part 5, Subpart 5-1 Public Water Systems, Maximum Contaminant Levels (MCLs).
[4] USEPA National Secondary Drinking Water Standard.
[5] USEPA Treatment Technique Action Level.
[6] VOCs analyzed by US EPA Methods 601/602 for May 2010 and October 2010 sampling events.
[7] Duplicate sample obtained at well MW 9-R.
[8] Antimony and Thallium were analyzed by Method 200.8.
[9] According to NYS Part 5, water containing more than 20,000 ug/L of sodium should not be used for drinking by people on severely restricted sodium diets.

NA Not Analyzed.
TAL Total Analyte List.
--- No ARAR standard or no MCL.

Laboratory Qualifier Definitions:

TestAmerica Laboratories

B Analyte was detected in the associated Method Blank.
J Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limits (MDL). Concentrations within this range are estimated.
U The compound was analyzed for but not detected at the detection limit listed.
D08 Dilution required due to high concentration of target analyte(s).

Life Science Laboratories, Inc.

J Analyte detected below Practical Quantitation Limit (PQL).
U The compound was analyzed for but not detected at the detection limit listed.

LABORATORY REPORT

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Analytical Report

Work Order: RTJ1673

Project Description
Ramapo Monitoring

For:

Elizabeth Davis

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Melissa Deyo

Melissa Deyo For Paul Morrow

Project Manager
melissa.deyo@testamericainc.com

Tuesday, November 9, 2010

This is a revised report.

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

TestAmerica Buffalo
Current Certifications

As of 08/16/2010

STATE	Program	Cert # / Lab ID
Arkansas	CWA, RCRA, SOIL	88-0686
California*	NELAP CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida*	NELAP CWA, RCRA	E87672
Georgia*	SDWA,NELAP CWA, RCRA	956
Illinois*	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas*	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana*	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY0044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	SDWA,CWA, RCRA	036-999-337
New Hampshire*	NELAP SDWA, CWA	233701
New Jersey*	NELAP,SDWA, CWA, RCRA,	NY455
New York*	NELAP, AIR, SDWA, CWA, RCRA	10026
North Dakota	CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Oregon*	CWA,RCRA	NY200003
Pennsylvania*	NELAP CWA,RCRA	68-00281
Tennessee	SDWA	02970
Texas*	NELAP CWA, RCRA	T104704412-08-TX
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington*	NELAP CWA,RCRA	C1677
Wisconsin	CWA, RCRA	998310390
West Virginia	CWA,RCRA	252

*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

CASE NARRATIVE

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

This report was revised in include all analytes by 601 and 602 analysis for sample PW-2.

There are pertinent documents appended to this report, 2 pages, are included and are an integral part of this report.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
CF6	Results confirmed by reanalysis.
D08	Dilution required due to high concentration of target analyte(s)
D15	Sample weight / volume has been reduced to eliminate matrix interference. Reporting limits have been adjusted accordingly.
HFT	The holding time for this test is immediate. It was analyzed in the laboratory as soon as possible after receipt.
J	Analyte detected at a level less than the Reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations within this range are estimated.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.
L1	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
NR	Any inclusion of NR indicates that the project specific requirements do not require reporting estimated values below the laboratory reporting limit.

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-01 (MW-9R - Water)						**Sampled: 10/20/10 13:30**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
Vinyl chloride	**0.33**	J	1.0	0.12	ug/L	1.00	10/26/10 14:26	DGB	10J2155	601
Purgeable Aromatics by EPA Method 602										
Chlorobenzene	**0.31**	J	1.0	0.29	ug/L	1.00	10/26/10 14:26	DGB	10J2155	602
Total Metals by SW 846 Series Methods										
Barium	**0.0409**		0.0020	0.0005	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Calcium	**53.4**		0.5	0.1	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Chromium	**0.0018**	J	0.0040	0.0009	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Cobalt	**0.0040**		0.0040	0.0006	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Iron	**12.2**		0.050	0.019	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Lead	**0.0036**	J	0.0050	0.0030	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Magnesium	**15.3**		0.200	0.043	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Manganese	**4.47**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Nickel	**0.0033**	J	0.0100	0.0013	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Potassium	**13.7**		0.500	0.200	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Sodium	**72.5**		1.0	0.3	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Vanadium	**0.0012**	J	0.0050	0.0011	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**137**	D08, B	50.0	20.0	mg/L	5.00	10/22/10 09:36	RJF	10J1927	310.2
Chemical Oxygen Demand	**13.6**		10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**200**		2.00	0.525	mg/L	1.00	11/02/10 11:45	KLD	10K0119	2340C
pH	**7.10**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**7.05**	D08	0.40	0.30	mg/L	2.00	10/30/10 12:31	JME	10J2525	351.2
Sample ID: RTJ1673-02 (MW-9I - Water)						**Sampled: 10/20/10 13:00**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods										
Aluminum	**32.3**		0.200	0.045	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Arsenic	**0.0100**		0.0100	0.0056	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Barium	**0.248**		0.0020	0.0005	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Beryllium	**0.0018**	J	0.0020	0.0003	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Cadmium	**0.0005**	J	0.0010	0.0003	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Calcium	**17.8**		0.5	0.1	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Chromium	**0.279**		0.0040	0.0009	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Cobalt	**0.0378**		0.0040	0.0006	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Copper	**0.0698**		0.0100	0.0015	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Iron	**65.7**		0.050	0.019	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Lead	**0.0146**		0.0050	0.0030	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Magnesium	**11.8**		0.200	0.043	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Manganese	**0.859**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Nickel	**0.0711**		0.0100	0.0013	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Potassium	**8.23**		0.500	0.200	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Sodium	**15.5**		1.0	0.3	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Vanadium	**0.0712**		0.0050	0.0011	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Zinc	**0.0819**		0.0100	0.0017	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-02 (MW-9I - Water) - cont.						**Sampled: 10/20/10 13:00**		**Recvd: 10/21/10 08:50**		
General Chemistry Parameters										
Alkalinity, Total	**8.3**	J, B	10.0	4.0	mg/L	1.00	10/26/10 10:13	RJF	10J2184	310.2
Chemical Oxygen Demand	**9.4**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**49.3**	D08	20.0	5.25	mg/L	10.0	10/28/10 12:31	KLD	10J2455	2340C
pH	**6.60**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Sample ID: RTJ1673-03 (MW-9OS - Water)						**Sampled: 10/20/10 12:35**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods										
Aluminum	**1.01**		0.200	0.045	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Barium	**0.0193**		0.0020	0.0005	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Calcium	**9.2**		0.5	0.1	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Chromium	**0.208**		0.0040	0.0009	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Cobalt	**0.0007**	J	0.0040	0.0006	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Copper	**0.0031**	J	0.0100	0.0015	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Iron	**2.58**		0.050	0.019	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Magnesium	**2.38**		0.200	0.043	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Manganese	**0.0331**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Nickel	**0.0134**		0.0100	0.0013	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Potassium	**1.32**		0.500	0.200	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Sodium	**12.3**		1.0	0.3	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Vanadium	**0.0037**	J	0.0050	0.0011	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Zinc	**0.0042**	J	0.0100	0.0017	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**9.9**	B, J	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**4.8**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**31.7**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**6.57**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**0.77**		0.20	0.15	mg/L	1.00	10/30/10 12:00	JME	10J2525	351.2
Sample ID: RTJ1673-04 (Duplicate - Water)						**Sampled: 10/20/10 13:35**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
Vinyl chloride	**0.30**	J	1.0	0.12	ug/L	1.00	10/26/10 16:29	DGB	10J2155	601
Purgeable Aromatics by EPA Method 602										
Chlorobenzene	**0.29**	J	1.0	0.29	ug/L	1.00	10/26/10 16:29	DGB	10J2155	602
Total Metals by SW 846 Series Methods										
Arsenic	**0.0056**	J	0.0100	0.0056	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Barium	**0.0410**		0.0020	0.0005	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Cadmium	**0.0003**	J	0.0010	0.0003	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Calcium	**53.0**		0.5	0.1	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Chromium	**0.0014**	J	0.0040	0.0009	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Cobalt	**0.0041**		0.0040	0.0006	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Iron	**12.4**		0.050	0.019	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Magnesium	**15.2**		0.200	0.043	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B

Sterling Environmental Engineering
24 Wade Road
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Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-04 (Duplicate - Water) - cont.						**Sampled: 10/20/10 13:35**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods - cont.										
Manganese	**4.46**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Nickel	**0.0032**	J	0.0100	0.0013	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Potassium	**13.6**		0.500	0.200	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Sodium	**73.3**		1.0	0.3	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Vanadium	**0.0016**	J	0.0050	0.0011	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Zinc	**0.0039**	J	0.0100	0.0017	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**115**	D08, B	50.0	20.0	mg/L	5.00	10/22/10 11:03	RJF	10J1930	310.2
Chemical Oxygen Demand	**14.0**		10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**3500**	D08	100	26.2	mg/L	50.0	10/29/10 15:52	KLD	10J2569	2340C
pH	**7.12**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**6.94**	D08	0.40	0.30	mg/L	2.00	10/30/10 12:19	JME	10J2525	351.2
Sample ID: RTJ1673-05 (SVWC-93 - Water)						**Sampled: 10/20/10 11:00**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods										
Barium	**0.0125**		0.0020	0.0005	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Calcium	**24.8**		0.5	0.1	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Copper	**0.0097**	J	0.0100	0.0015	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Magnesium	**6.13**		0.200	0.043	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Manganese	**0.0003**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Nickel	**0.0014**	J	0.0100	0.0013	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Potassium	**2.13**		0.500	0.200	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Sodium	**68.9**		1.0	0.3	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Zinc	**0.0074**	J	0.0100	0.0017	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**50.8**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**4.1**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**87.6**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.15**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Sample ID: RTJ1673-06 (SVWC-95 - Water)						**Sampled: 10/20/10 11:10**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods										
Barium	**0.0147**		0.0020	0.0005	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Calcium	**23.1**		0.5	0.1	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Chromium	**0.0013**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Copper	**0.0063**	J	0.0100	0.0015	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Iron	**0.032**	J	0.050	0.019	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Magnesium	**6.12**		0.200	0.043	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Manganese	**0.125**	B	0.0030	0.0002	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Nickel	**0.0024**	J	0.0100	0.0013	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Potassium	**2.01**		0.500	0.200	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Sodium	**52.5**		1.0	0.3	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Zinc	**0.0194**		0.0100	0.0017	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-06 (SVWC-95 - Water) - cont.						**Sampled: 10/20/10 11:10**		**Recvd: 10/21/10 08:50**		
General Chemistry Parameters										
Alkalinity, Total	**58.5**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**5.5**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**80.5**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.23**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Sample ID: RTJ1673-07 (SVWC-96 - Water)						**Sampled: 10/20/10 11:15**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods										
Barium	**0.0108**		0.0020	0.0005	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Calcium	**23.1**		0.5	0.1	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Chromium	**0.0013**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Copper	**0.0060**	J	0.0100	0.0015	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Magnesium	**6.31**		0.200	0.043	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Manganese	**0.0021**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Potassium	**1.72**		0.500	0.200	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Sodium	**60.9**		1.0	0.3	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Zinc	**0.0177**		0.0100	0.0017	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**49.8**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Total Hardness	**80.3**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.25**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Sample ID: RTJ1673-08 (PW-1 - Water)						**Sampled: 10/20/10 12:10**		**Recvd: 10/21/10 08:50**		
Total Metals by SW 846 Series Methods										
Barium	**0.0094**		0.0020	0.0005	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Calcium	**13.0**		0.5	0.1	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Chromium	**0.0014**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Copper	**0.359**	CF6	0.0100	0.0015	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Lead	**0.0089**	CF6	0.0050	0.0030	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Magnesium	**3.45**		0.200	0.043	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Manganese	**0.0014**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Potassium	**1.13**		0.500	0.200	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Sodium	**18.4**		1.0	0.3	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Zinc	**0.0599**		0.0100	0.0017	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**21.5**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Total Hardness	**42.7**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**6.60**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040

Sterling Environmental Engineering
24 Wade Road
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Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-09 (PW-2 - Water)						**Sampled: 10/20/10 11:50**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
Chloromethane	**0.36**	J	1.0	0.26	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Total Metals by SW 846 Series Methods										
Barium	**0.0024**		0.0020	0.0005	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Calcium	**29.2**		0.5	0.1	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Chromium	**0.0010**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Copper	**0.0432**		0.0100	0.0015	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Iron	**0.068**		0.050	0.019	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Magnesium	**3.54**		0.200	0.043	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Manganese	**0.0018**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Potassium	**1.10**		0.500	0.200	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Sodium	**8.6**		1.0	0.3	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Zinc	**0.0748**		0.0100	0.0017	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
General Chemistry Parameters										
Alkalinity, Total	**59.4**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**3.2**	J	10.0	2.5	mg/L	1.00	10/22/10 18:28	JME	10J1896	410.4
Total Hardness	**84.6**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.26**	HFT	NR	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**0.28**		0.20	0.15	mg/L	1.00	10/30/10 16:14	JME	10J2526	351.2

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THE LEADER IN ENVIRONMENTAL TESTING

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Sample Summary

Sample Identification	Lab Number	Client Matrix	Date/Time Sampled	Date/Time Received	Sample Qualifiers
MW-9R	RTJ1673-01	Water	10/20/10 13:30	10/21/10 08:50	
MW-9I	RTJ1673-02	Water	10/20/10 13:00	10/21/10 08:50	
MW-9OS	RTJ1673-03	Water	10/20/10 12:35	10/21/10 08:50	
Duplicate	RTJ1673-04	Water	10/20/10 13:35	10/21/10 08:50	
SVWC-93	RTJ1673-05	Water	10/20/10 11:00	10/21/10 08:50	
SVWC-95	RTJ1673-06	Water	10/20/10 11:10	10/21/10 08:50	
SVWC-96	RTJ1673-07	Water	10/20/10 11:15	10/21/10 08:50	
PW-1	RTJ1673-08	Water	10/20/10 12:10	10/21/10 08:50	
PW-2	RTJ1673-09	Water	10/20/10 11:50	10/21/10 08:50	
TRIP BLANK	RTJ1673-10	Water	10/20/10	10/21/10 08:50	

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Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-01 (MW-9R - Water)						**Sampled: 10/20/10 13:30**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 14:26	DGB	10J2155	601
Vinyl chloride	**0.33**	J	1.0	0.12	ug/L	1.00	10/26/10 14:26	DGB	10J2155	601
2-Bromochlorobenzene	*121 %*		*Surr Limits: (71-129%)*				*10/26/10 14:26*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*117 %*		*Surr Limits: (68-131%)*				*10/26/10 14:26*	*DGB*	*10J2155*	*601*
Bromochloromethane	*126 %*		*Surr Limits: (68-147%)*				*10/26/10 14:26*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 14:26	DGB	10J2155	602
Chlorobenzene	**0.31**	J	1.0	0.29	ug/L	1.00	10/26/10 14:26	DGB	10J2155	602
a,a,a-Trifluorotoluene	*104 %*		*Surr Limits: (72-132%)*				*10/26/10 14:26*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 05:28	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 05:28	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Barium	**0.0409**		0.0020	0.0005	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Calcium	**53.4**		0.5	0.1	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Chromium	**0.0018**	J	0.0040	0.0009	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Cobalt	**0.0040**		0.0040	0.0006	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Copper	ND		0.0100	0.0015	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Iron	**12.2**		0.050	0.019	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Lead	**0.0036**	J	0.0050	0.0030	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Magnesium	**15.3**		0.200	0.043	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Manganese	**4.47**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Nickel	**0.0033**	J	0.0100	0.0013	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Potassium	**13.7**		0.500	0.200	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Sodium	**72.5**		1.0	0.3	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Vanadium	**0.0012**	J	0.0050	0.0011	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Zinc	ND		0.0100	0.0017	mg/L	1.00	10/25/10 13:53	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 14:59	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**137**	D08, B	50.0	20.0	mg/L	5.00	10/22/10 09:36	RJF	10J1927	310.2
Chemical Oxygen Demand	**13.6**		10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**200**		2.00	0.525	mg/L	1.00	11/02/10 11:45	KLD	10K0119	2340C
pH	**7.10**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**7.05**	D08	0.40	0.30	mg/L	2.00	10/30/10 12:31	JME	10J2525	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-02 (MW-9I - Water)						**Sampled: 10/20/10 13:00**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 15:07	DGB	10J2155	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/26/10 15:07	DGB	10J2155	601
2-Bromochlorobenzene	*118 %*		*Surr Limits: (71-129%)*				*10/26/10 15:07*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*110 %*		*Surr Limits: (68-131%)*				*10/26/10 15:07*	*DGB*	*10J2155*	*601*
Bromochloromethane	*126 %*		*Surr Limits: (68-147%)*				*10/26/10 15:07*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 15:07	DGB	10J2155	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/26/10 15:07	DGB	10J2155	602
a,a,a-Trifluorotoluene	*103 %*		*Surr Limits: (72-132%)*				*10/26/10 15:07*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 05:34	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 05:34	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	**32.3**		0.200	0.045	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Arsenic	**0.0100**		0.0100	0.0056	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Barium	**0.248**		0.0020	0.0005	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Beryllium	**0.0018**	J	0.0020	0.0003	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Cadmium	**0.0005**	J	0.0010	0.0003	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Calcium	**17.8**		0.5	0.1	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Chromium	**0.279**		0.0040	0.0009	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Cobalt	**0.0378**		0.0040	0.0006	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Copper	**0.0698**		0.0100	0.0015	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Iron	**65.7**		0.050	0.019	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Lead	**0.0146**		0.0050	0.0030	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Magnesium	**11.8**		0.200	0.043	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Manganese	**0.859**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Nickel	**0.0711**		0.0100	0.0013	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Potassium	**8.23**		0.500	0.200	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Sodium	**15.5**		1.0	0.3	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Vanadium	**0.0712**		0.0050	0.0011	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Zinc	**0.0819**		0.0100	0.0017	mg/L	1.00	10/25/10 13:55	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:01	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**8.3**	J, B	10.0	4.0	mg/L	1.00	10/26/10 10:13	RJF	10J2184	310.2
Chemical Oxygen Demand	**9.4**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**49.3**	D08	20.0	5.25	mg/L	10.0	10/28/10 12:31	KLD	10J2455	2340C
pH	**6.60**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L	1.00	10/30/10 12:14	JME	10J2525	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-03 (MW-9OS - Water)						**Sampled: 10/20/10 12:35**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 15:48	DGB	10J2155	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/26/10 15:48	DGB	10J2155	601
2-Bromochlorobenzene	*117 %*		*Surr Limits: (71-129%)*				*10/26/10 15:48*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*115 %*		*Surr Limits: (68-131%)*				*10/26/10 15:48*	*DGB*	*10J2155*	*601*
Bromochloromethane	*123 %*		*Surr Limits: (68-147%)*				*10/26/10 15:48*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 15:48	DGB	10J2155	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/26/10 15:48	DGB	10J2155	602
a,a,a-Trifluorotoluene	*103 %*		*Surr Limits: (72-132%)*				*10/26/10 15:48*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 05:38	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 05:38	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	**1.01**		0.200	0.045	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Barium	**0.0193**		0.0020	0.0005	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Calcium	**9.2**		0.5	0.1	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Chromium	**0.208**		0.0040	0.0009	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Cobalt	**0.0007**	J	0.0040	0.0006	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Copper	**0.0031**	J	0.0100	0.0015	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Iron	**2.58**		0.050	0.019	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Magnesium	**2.38**		0.200	0.043	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Manganese	**0.0331**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Nickel	**0.0134**		0.0100	0.0013	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Potassium	**1.32**		0.500	0.200	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Sodium	**12.3**		1.0	0.3	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Vanadium	**0.0037**	J	0.0050	0.0011	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Zinc	**0.0042**	J	0.0100	0.0017	mg/L	1.00	10/25/10 13:57	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:03	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**9.9**	B, J	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**4.8**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**31.7**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**6.57**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**0.77**		0.20	0.15	mg/L	1.00	10/30/10 12:00	JME	10J2525	351.2

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THE LEADER IN ENVIRONMENTAL TESTING

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-04 (Duplicate - Water)						**Sampled: 10/20/10 13:35**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 16:29	DGB	10J2155	601
Vinyl chloride	**0.30**	J	1.0	0.12	ug/L	1.00	10/26/10 16:29	DGB	10J2155	601
2-Bromochlorobenzene	*115 %*		*Surr Limits: (71-129%)*				*10/26/10 16:29*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*112 %*		*Surr Limits: (68-131%)*				*10/26/10 16:29*	*DGB*	*10J2155*	*601*
Bromochloromethane	*123 %*		*Surr Limits: (68-147%)*				*10/26/10 16:29*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 16:29	DGB	10J2155	602
Chlorobenzene	**0.29**	J	1.0	0.29	ug/L	1.00	10/26/10 16:29	DGB	10J2155	602
a,a,a-Trifluorotoluene	*101 %*		*Surr Limits: (72-132%)*				*10/26/10 16:29*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 05:43	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 05:43	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Arsenic	**0.0056**	J	0.0100	0.0056	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Barium	**0.0410**		0.0020	0.0005	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Cadmium	**0.0003**	J	0.0010	0.0003	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Calcium	**53.0**		0.5	0.1	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Chromium	**0.0014**	J	0.0040	0.0009	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Cobalt	**0.0041**		0.0040	0.0006	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Copper	ND		0.0100	0.0015	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Iron	**12.4**		0.050	0.019	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Magnesium	**15.2**		0.200	0.043	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Manganese	**4.46**	B	0.0030	0.0002	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Nickel	**0.0032**	J	0.0100	0.0013	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Potassium	**13.6**		0.500	0.200	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Sodium	**73.3**		1.0	0.3	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Vanadium	**0.0016**	J	0.0050	0.0011	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Zinc	**0.0039**	J	0.0100	0.0017	mg/L	1.00	10/25/10 13:59	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:08	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**115**	D08, B	50.0	20.0	mg/L	5.00	10/22/10 11:03	RJF	10J1930	310.2
Chemical Oxygen Demand	**14.0**		10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**3500**	D08	100	26.2	mg/L	50.0	10/29/10 15:52	KLD	10J2569	2340C
pH	**7.12**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**6.94**	D08	0.40	0.30	mg/L	2.00	10/30/10 12:19	JME	10J2525	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-05 (SVWC-93 - Water)						**Sampled: 10/20/10 11:00**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 17:10	DGB	10J2155	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/26/10 17:10	DGB	10J2155	601
2-Bromochlorobenzene	*119 %*		*Surr Limits: (71-129%)*				*10/26/10 17:10*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*116 %*		*Surr Limits: (68-131%)*				*10/26/10 17:10*	*DGB*	*10J2155*	*601*
Bromochloromethane	*123 %*		*Surr Limits: (68-147%)*				*10/26/10 17:10*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 17:10	DGB	10J2155	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/26/10 17:10	DGB	10J2155	602
a,a,a-Trifluorotoluene	*102 %*		*Surr Limits: (72-132%)*				*10/26/10 17:10*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 05:59	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 05:59	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Barium	**0.0125**		0.0020	0.0005	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Calcium	**24.8**		0.5	0.1	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Chromium	ND		0.0040	0.0009	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Cobalt	ND		0.0040	0.0006	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Copper	**0.0097**	J	0.0100	0.0015	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Iron	ND		0.050	0.019	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Magnesium	**6.13**		0.200	0.043	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Manganese	**0.0003**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Nickel	**0.0014**	J	0.0100	0.0013	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Potassium	**2.13**		0.500	0.200	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Sodium	**68.9**		1.0	0.3	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Vanadium	ND		0.0050	0.0011	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Zinc	**0.0074**	J	0.0100	0.0017	mg/L	1.00	10/25/10 14:02	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:09	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**50.8**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**4.1**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**87.6**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.15**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L	1.00	10/30/10 12:00	JME	10J2525	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-06 (SVWC-95 - Water)						**Sampled: 10/20/10 11:10**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 17:51	DGB	10J2155	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/26/10 17:51	DGB	10J2155	601
2-Bromochlorobenzene	*119 %*		*Surr Limits: (71-129%)*				*10/26/10 17:51*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*116 %*		*Surr Limits: (68-131%)*				*10/26/10 17:51*	*DGB*	*10J2155*	*601*
Bromochloromethane	*124 %*		*Surr Limits: (68-147%)*				*10/26/10 17:51*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 17:51	DGB	10J2155	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/26/10 17:51	DGB	10J2155	602
a,a,a-Trifluorotoluene	*103 %*		*Surr Limits: (72-132%)*				*10/26/10 17:51*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 06:04	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 06:04	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Barium	**0.0147**		0.0020	0.0005	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Calcium	**23.1**		0.5	0.1	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Chromium	**0.0013**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Cobalt	ND		0.0040	0.0006	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Copper	**0.0063**	J	0.0100	0.0015	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Iron	**0.032**	J	0.050	0.019	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Magnesium	**6.12**		0.200	0.043	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Manganese	**0.125**	B	0.0030	0.0002	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Nickel	**0.0024**	J	0.0100	0.0013	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Potassium	**2.01**		0.500	0.200	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Sodium	**52.5**		1.0	0.3	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Vanadium	ND		0.0050	0.0011	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Zinc	**0.0194**		0.0100	0.0017	mg/L	1.00	10/25/10 14:04	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:11	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**58.5**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**5.5**	J	10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**80.5**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.23**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L	1.00	10/30/10 16:08	JME	10J2526	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-07 (SVWC-96 - Water)						**Sampled: 10/20/10 11:15**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/26/10 18:32	DGB	10J2155	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/26/10 18:32	DGB	10J2155	601
2-Bromochlorobenzene	*119 %*		*Surr Limits: (71-129%)*				*10/26/10 18:32*	*DGB*	*10J2155*	*601*
4-Bromofluorobenzene	*116 %*		*Surr Limits: (68-131%)*				*10/26/10 18:32*	*DGB*	*10J2155*	*601*
Bromochloromethane	*128 %*		*Surr Limits: (68-147%)*				*10/26/10 18:32*	*DGB*	*10J2155*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/26/10 18:32	DGB	10J2155	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/26/10 18:32	DGB	10J2155	602
a,a,a-Trifluorotoluene	*104 %*		*Surr Limits: (72-132%)*				*10/26/10 18:32*	*DGB*	*10J2155*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 06:09	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 06:09	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Barium	**0.0108**		0.0020	0.0005	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Calcium	**23.1**		0.5	0.1	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Chromium	**0.0013**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Cobalt	ND		0.0040	0.0006	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Copper	**0.0060**	J	0.0100	0.0015	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Iron	ND		0.050	0.019	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Magnesium	**6.31**		0.200	0.043	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Manganese	**0.0021**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Nickel	ND		0.0100	0.0013	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Potassium	**1.72**		0.500	0.200	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Sodium	**60.9**		1.0	0.3	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Vanadium	ND		0.0050	0.0011	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Zinc	**0.0177**		0.0100	0.0017	mg/L	1.00	10/25/10 14:06	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:13	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**49.8**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	ND		10.0	2.5	mg/L	1.00	10/22/10 18:22	JME	10J1895	410.4
Total Hardness	**80.3**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.25**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L	1.00	10/30/10 16:08	JME	10J2526	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-08 (PW-1 - Water)						**Sampled: 10/20/10 12:10**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/27/10 14:24	DGB	10J2262	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/27/10 14:24	DGB	10J2262	601
2-Bromochlorobenzene	*117 %*		*Surr Limits: (71-129%)*				*10/27/10 14:24*	*DGB*	*10J2262*	*601*
4-Bromofluorobenzene	*113 %*		*Surr Limits: (68-131%)*				*10/27/10 14:24*	*DGB*	*10J2262*	*601*
Bromochloromethane	*123 %*		*Surr Limits: (68-147%)*				*10/27/10 14:24*	*DGB*	*10J2262*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/27/10 14:24	DGB	10J2262	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/27/10 14:24	DGB	10J2262	602
a,a,a-Trifluorotoluene	*104 %*		*Surr Limits: (72-132%)*				*10/27/10 14:24*	*DGB*	*10J2262*	*602*
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 06:14	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 06:14	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Barium	**0.0094**		0.0020	0.0005	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Calcium	**13.0**		0.5	0.1	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Chromium	**0.0014**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Cobalt	ND		0.0040	0.0006	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Copper	**0.359**	CF6	0.0100	0.0015	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Iron	ND		0.050	0.019	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Lead	**0.0089**	CF6	0.0050	0.0030	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Magnesium	**3.45**		0.200	0.043	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Manganese	**0.0014**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Nickel	ND		0.0100	0.0013	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Potassium	**1.13**		0.500	0.200	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Sodium	**18.4**		1.0	0.3	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Vanadium	ND		0.0050	0.0011	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Zinc	**0.0599**		0.0100	0.0017	mg/L	1.00	10/25/10 14:08	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:14	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**21.5**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	ND		10.0	2.5	mg/L	1.00	10/22/10 18:28	JME	10J1896	410.4
Total Hardness	**42.7**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**6.60**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L	1.00	10/30/10 16:14	JME	10J2526	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-09 (PW-2 - Water)						**Sampled: 10/20/10 11:50**		**Recvd: 10/21/10 08:50**		
Purgeable Halocarbons by EPA Method 601										
1,1,1-Trichloroethane	ND		1.0	0.27	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,1-Dichloroethene	ND		1.0	0.23	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,2-Dichlorobenzene	ND		1.0	0.26	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,2-Dichloroethane	ND		1.0	0.25	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,2-Dichloropropane	ND		1.0	0.25	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,3-Dichlorobenzene	ND		1.0	0.24	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
1,4-Dichlorobenzene	ND		1.0	0.24	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
2-Chloroethyl vinyl ether	ND		1.0	0.15	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Bromodichloromethane	ND		1.0	0.19	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Bromoform	ND		1.0	0.18	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Bromomethane	ND		1.0	0.14	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Carbon Tetrachloride	ND		1.0	0.28	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Chlorobenzene	ND		1.0	0.20	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Chlorodibromomethane	ND		1.0	0.17	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Chloroethane	ND		1.0	0.25	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Chloroform	ND		1.0	0.27	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Chloromethane	**0.36**	J	1.0	0.26	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
cis-1,2-Dichloroethene	ND		1.0	0.24	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
cis-1,3-Dichloropropene	ND		1.0	0.23	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Dichlorodifluoromethane	ND		1.0	0.33	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Methylene Chloride	ND		1.0	0.11	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Tetrachloroethene	ND		1.0	0.28	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
trans-1,2-Dichloroethene	ND		1.0	0.25	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
trans-1,3-Dichloropropene	ND		1.0	0.23	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Trichloroethene	ND		1.0	0.29	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Trichlorofluoromethane	ND		1.0	0.28	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/27/10 15:04	DGB	10J2262	601
2-Bromochlorobenzene	*119 %*		*Surr Limits: (71-129%)*				*10/27/10 15:04*	*DGB*	*10J2262*	*601*
4-Bromofluorobenzene	*116 %*		*Surr Limits: (68-131%)*				*10/27/10 15:04*	*DGB*	*10J2262*	*601*
Bromochloromethane	*124 %*		*Surr Limits: (68-147%)*				*10/27/10 15:04*	*DGB*	*10J2262*	*601*
Purgeable Aromatics by EPA Method 602										
1,2-Dichlorobenzene	ND		1.0	0.28	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
1,3-Dichlorobenzene	ND		1.0	0.27	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
1,4-Dichlorobenzene	ND		1.0	0.29	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
Benzene	ND		1.0	0.35	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
Ethylbenzene	ND		1.0	0.26	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
Methyl tert-Butyl Ether	ND		1.0	0.20	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
m-Xylene & p-Xylene	ND		2.0	0.58	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
o-Xylene	ND		1.0	0.29	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
Toluene	ND		1.0	0.30	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
Xylenes, total	ND		2.0	0.58	ug/L	1.00	10/27/10 15:04	DGB	10J2262	602
a,a,a-Trifluorotoluene	*105 %*		*Surr Limits: (72-132%)*				*10/27/10 15:04*	*DGB*	*10J2262*	*602*

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-09 (PW-2 - Water) - cont.						**Sampled: 10/20/10 11:50**		**Recvd: 10/21/10 08:50**		
Total Metals by EPA 200 Series Methods										
Antimony	ND		3.0	NR	ug/L	1.00	10/26/10 06:19	ESW	10J1817	200.8
Thallium	ND		0.5	NR	ug/L	1.00	10/26/10 06:19	ESW	10J1817	200.8
Total Metals by SW 846 Series Methods										
Aluminum	ND		0.200	0.045	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Arsenic	ND		0.0100	0.0056	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Barium	**0.0024**		0.0020	0.0005	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Beryllium	ND		0.0020	0.0003	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Cadmium	ND		0.0010	0.0003	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Calcium	**29.2**		0.5	0.1	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Chromium	**0.0010**	J	0.0040	0.0009	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Cobalt	ND		0.0040	0.0006	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Copper	**0.0432**		0.0100	0.0015	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Iron	**0.068**		0.050	0.019	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Lead	ND		0.0050	0.0030	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Magnesium	**3.54**		0.200	0.043	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Manganese	**0.0018**	J, B	0.0030	0.0002	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Nickel	ND		0.0100	0.0013	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Potassium	**1.10**		0.500	0.200	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Selenium	ND		0.0150	0.0087	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Silver	ND		0.0030	0.0017	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Sodium	**8.6**		1.0	0.3	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Vanadium	ND		0.0050	0.0011	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Zinc	**0.0748**		0.0100	0.0017	mg/L	1.00	10/25/10 14:10	AMH	10J1794	6010B
Mercury	ND		0.0002	0.0001	mg/L	1.00	10/22/10 15:17	JRK	10J1870	7470A
General Chemistry Parameters										
Alkalinity, Total	**59.4**	B	10.0	4.0	mg/L	1.00	10/22/10 09:21	RJF	10J1927	310.2
Chemical Oxygen Demand	**3.2**	J	10.0	2.5	mg/L	1.00	10/22/10 18:28	JME	10J1896	410.4
Total Hardness	**84.6**		2.00	0.525	mg/L	1.00	10/26/10 14:43	KLD	10J2265	2340C
pH	**7.26**	HFT	NA	0.00	SU	1.00	10/22/10 20:41	JLN	10J1958	9040
Total Kjeldahl Nitrogen	**0.28**		0.20	0.15	mg/L	1.00	10/30/10 16:14	JME	10J2526	351.2

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

Analytical Report

Analyte	Sample Result	Data Qualifiers	RL	MDL	Units	Dil Fac	Date Analyzed	Lab Tech	Batch	Method
Sample ID: RTJ1673-10 (TRIP BLANK - Water)						**Sampled: 10/20/10**			**Recvd: 10/21/10 08:50**	
Purgeable Halocarbons by EPA Method 601										
1,1-Dichloroethane	ND		1.0	0.26	ug/L	1.00	10/27/10 13:02	DGB	10J2262	601
Vinyl chloride	ND		1.0	0.12	ug/L	1.00	10/27/10 13:02	DGB	10J2262	601
2-Bromochlorobenzene	*117 %*		*Surr Limits: (71-129%)*				*10/27/10 13:02*	*DGB*	*10J2262*	*601*
4-Bromofluorobenzene	*114 %*		*Surr Limits: (68-131%)*				*10/27/10 13:02*	*DGB*	*10J2262*	*601*
Bromochloromethane	*121 %*		*Surr Limits: (68-147%)*				*10/27/10 13:02*	*DGB*	*10J2262*	*601*
Purgeable Aromatics by EPA Method 602										
Benzene	ND		1.0	0.35	ug/L	1.00	10/27/10 13:02	DGB	10J2262	602
Chlorobenzene	ND		1.0	0.29	ug/L	1.00	10/27/10 13:02	DGB	10J2262	602
a,a,a-Trifluorotoluene	*101 %*		*Surr Limits: (72-132%)*				*10/27/10 13:02*	*DGB*	*10J2262*	*602*

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
General Chemistry Parameters									
2340C	10J2265	RTJ1673-03	50.00	mL	50.00	mL	10/26/10 14:43	KLD	No prep Hardness
2340C	10J2265	RTJ1673-05	50.00	mL	50.00	mL	10/26/10 14:43	KLD	No prep Hardness
2340C	10J2265	RTJ1673-06	50.00	mL	50.00	mL	10/26/10 14:43	KLD	No prep Hardness
2340C	10J2265	RTJ1673-07	50.00	mL	50.00	mL	10/26/10 14:43	KLD	No prep Hardness
2340C	10J2265	RTJ1673-08	50.00	mL	50.00	mL	10/26/10 14:43	KLD	No prep Hardness
2340C	10J2265	RTJ1673-09	50.00	mL	50.00	mL	10/26/10 14:43	KLD	No prep Hardness
2340C	10J2455	RTJ1673-02	50.00	mL	50.00	mL	10/28/10 12:31	KLD	No prep Hardness
2340C	10J2569	RTJ1673-04	50.00	mL	50.00	mL	10/29/10 12:32	KLD	No prep Hardness
2340C	10K0119	RTJ1673-01	25.00	mL	25.00	mL	11/02/10 11:45	KLD	No prep Hardness
310.2	10J1927	RTJ1673-01	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1927	RTJ1673-03	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1930	RTJ1673-04	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1927	RTJ1673-05	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1927	RTJ1673-06	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1927	RTJ1673-07	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1927	RTJ1673-08	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J1927	RTJ1673-09	2.00	mL	2.00	mL	10/22/10 08:16	RJF	No Prep Alkalinity
310.2	10J2184	RTJ1673-02	2.00	mL	2.00	mL	10/26/10 08:41	RJF	No Prep Alkalinity
351.2	10J2525	RTJ1673-01	25.00	mL	25.00	mL	10/29/10 11:01	JME	TKN Digestion
351.2	10J2525	RTJ1673-02	25.00	mL	25.00	mL	10/29/10 11:01	JME	TKN Digestion
351.2	10J2525	RTJ1673-03	25.00	mL	25.00	mL	10/29/10 11:01	JME	TKN Digestion
351.2	10J2525	RTJ1673-04	25.00	mL	25.00	mL	10/29/10 11:01	JME	TKN Digestion
351.2	10J2525	RTJ1673-05	25.00	mL	25.00	mL	10/29/10 11:01	JME	TKN Digestion
351.2	10J2526	RTJ1673-06	25.00	mL	25.00	mL	10/29/10 11:02	JME	TKN Digestion
351.2	10J2526	RTJ1673-07	25.00	mL	25.00	mL	10/29/10 11:02	JME	TKN Digestion
351.2	10J2526	RTJ1673-08	25.00	mL	25.00	mL	10/29/10 11:02	JME	TKN Digestion
351.2	10J2526	RTJ1673-09	25.00	mL	25.00	mL	10/29/10 11:02	JME	TKN Digestion
410.4	10J1895	RTJ1673-01	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1895	RTJ1673-02	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1895	RTJ1673-03	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1895	RTJ1673-04	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1895	RTJ1673-05	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand

Sterling Environmental Engineering
24 Wade Road
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Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
410.4	10J1895	RTJ1673-06	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1895	RTJ1673-07	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1896	RTJ1673-08	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
410.4	10J1896	RTJ1673-09	2.00	mL	2.00	mL	10/22/10 12:15	JME	No prep Chemical Oxygen Demand
9040	10J1958	RTJ1673-01	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-02	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-03	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-04	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-05	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-06	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-07	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-08	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
9040	10J1958	RTJ1673-09	25.00	mL	25.00	mL	10/22/10 20:41	JLN	No prep pH
Purgeable Aromatics by EPA Method 602									
602	10J2155	RTJ1673-01	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2155	RTJ1673-02	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2155	RTJ1673-03	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2155	RTJ1673-04	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2155	RTJ1673-05	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2155	RTJ1673-06	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2155	RTJ1673-07	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
602	10J2262	RTJ1673-08	1.00	mL	1.00	mL	10/27/10 08:57	DGB	5030B GC
602	10J2262	RTJ1673-09	1.00	mL	1.00	mL	10/27/10 08:57	DGB	5030B GC
602	10J2262	RTJ1673-10	1.00	mL	1.00	mL	10/27/10 08:57	DGB	5030B GC
Purgeable Halocarbons by EPA Method 601									
601	10J2155	RTJ1673-01	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2155	RTJ1673-02	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2155	RTJ1673-03	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2155	RTJ1673-04	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2155	RTJ1673-05	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2155	RTJ1673-06	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2155	RTJ1673-07	1.00	mL	1.00	mL	10/26/10 10:48	DGB	5030B GC
601	10J2262	RTJ1673-08	1.00	mL	1.00	mL	10/27/10 08:57	DGB	5030B GC
601	10J2262	RTJ1673-09	1.00	mL	1.00	mL	10/27/10 08:57	DGB	5030B GC

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracte	Units	Extract Volume	Units	Date Prepared	Lab Tech	Extraction Method
601	10J2262	RTJ1673-10	1.00	mL	1.00	mL	10/27/10 08:57	DGB	5030B GC
Total Metals by EPA 200 Series Methods									
200.8	10J1817	RTJ1673-01	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-02	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-03	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-04	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-05	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-06	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-07	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-08	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
200.8	10J1817	RTJ1673-09	50.00	mL	50.00	mL	10/22/10 09:45	MDM	3020A
Total Metals by SW 846 Series Methods									
6010B	10J1794	RTJ1673-01	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-02	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-03	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-04	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-05	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-06	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-07	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-08	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
6010B	10J1794	RTJ1673-09	50.00	mL	50.00	mL	10/22/10 10:30	MDM	3005A
7470A	10J1870	RTJ1673-01	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-02	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-03	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-04	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-05	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-06	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-07	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-08	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A
7470A	10J1870	RTJ1673-09	30.00	mL	50.00	mL	10/22/10 11:40	JRK	7470A

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Halocarbons by EPA Method 601											
Blank Analyzed: 10/26/10 (Lab Number:10J2155-BLK1, Batch: 10J2155)											
1,1,1-Trichloroethane			1.0	0.27	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1-Dichloroethane			1.0	0.26	ug/L	ND					
1,1-Dichloroethene			1.0	0.23	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.26	ug/L	ND					
1,2-Dichloroethane			1.0	0.25	ug/L	ND					
1,2-Dichloropropane			1.0	0.25	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.24	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.24	ug/L	ND					
2-Chloroethyl vinyl ether			1.0	0.15	ug/L	ND					
Bromodichloromethane			1.0	0.19	ug/L	ND					
Bromoform			1.0	0.18	ug/L	ND					
Bromomethane			1.0	0.14	ug/L	ND					
Carbon Tetrachloride			1.0	0.28	ug/L	ND					
Chlorobenzene			1.0	0.20	ug/L	ND					
Chlorodibromomethane			1.0	0.17	ug/L	ND					
Chloroethane			1.0	0.25	ug/L	ND					
Chloroform			1.0	0.27	ug/L	ND					
Chloromethane			1.0	0.26	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.24	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.23	ug/L	ND					
Dichlorodifluoromethane			1.0	0.33	ug/L	ND					
Methylene Chloride			1.0	0.11	ug/L	ND					
Tetrachloroethene			1.0	0.28	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.25	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.23	ug/L	ND					
Trichloroethene			1.0	0.29	ug/L	ND					
Trichlorofluoromethane			1.0	0.28	ug/L	ND					
Vinyl chloride			1.0	0.12	ug/L	ND					
Surrogate: 2-Bromochlorobenzene					*ug/L*		*122*	*71-129*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*120*	*68-131*			
Surrogate: Bromochloromethane					*ug/L*		*125*	*68-147*			

LCS Analyzed: 10/26/10 (Lab Number:10J2155-BS1, Batch: 10J2155)

Sterling Environmental Engineering
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Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Halocarbons by EPA Method 601											
LCS Analyzed: 10/26/10 (Lab Number:10J2155-BS1, Batch: 10J2155)											
1,1,1-Trichloroethane		4.00	1.0	0.27	ug/L	5.45	136	41-138			
1,1,2,2-Tetrachloroethane		4.00	1.0	0.21	ug/L	6.21	155	8-184			
1,1,2-Trichloroethane		4.00	1.0	0.23	ug/L	5.29	132	39-136			
1,1-Dichloroethane		4.00	1.0	0.26	ug/L	5.50	138	47-132			L1
1,1-Dichloroethene		4.00	1.0	0.23	ug/L	5.06	127	28-167			
1,2-Dichlorobenzene		4.00	1.0	0.26	ug/L	5.38	135	38-150			
1,2-Dichloroethane		4.00	1.0	0.25	ug/L	5.40	135	51-147			
1,2-Dichloropropane		4.00	1.0	0.25	ug/L	5.70	143	44-156			
1,3-Dichlorobenzene		4.00	1.0	0.24	ug/L	5.35	134	7-187			
1,4-Dichlorobenzene		4.00	1.0	0.24	ug/L	5.50	137	42-143			
2-Chloroethyl vinyl ether		4.00	1.0	0.15	ug/L	5.07	127	14-186			
Bromodichloromethane		4.00	1.0	0.19	ug/L	5.08	127	42-172			
Bromoform		4.00	1.0	0.18	ug/L	5.02	126	13-159			
Bromomethane		4.00	1.0	0.14	ug/L	3.86	97	0-144			
Carbon Tetrachloride		4.00	1.0	0.28	ug/L	4.91	123	43-143			
Chlorobenzene		4.00	1.0	0.20	ug/L	5.01	125	38-150			
Chlorodibromomethane		4.00	1.0	0.17	ug/L	5.19	130	24-180			
Chloroethane		4.00	1.0	0.25	ug/L	5.45	136	46-137			
Chloroform		4.00	1.0	0.27	ug/L	6.10	152	49-133			L1
Chloromethane		4.00	1.0	0.26	ug/L	5.55	139	0-193			
cis-1,2-Dichloroethene		4.00	1.0	0.24	ug/L	5.50	138	38-155			
cis-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	5.33	133	22-178			
Dichlorodifluoromethane		4.00	1.0	0.33	ug/L	5.74	144	10-193			
Methylene Chloride		4.00	1.0	0.11	ug/L	9.66	241	25-162			L1
Tetrachloroethene		4.00	1.0	0.28	ug/L	4.79	120	26-162			
trans-1,2-Dichloroethene		4.00	1.0	0.25	ug/L	5.64	141	38-155			
trans-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	5.38	135	22-178			
Trichloroethene		4.00	1.0	0.29	ug/L	5.11	128	35-146			
Trichlorofluoromethane		4.00	1.0	0.28	ug/L	5.88	147	21-156			
Vinyl chloride		4.00	1.0	0.12	ug/L	5.80	145	28-163			
Surrogate: 2-Bromochlorobenzene					*ug/L*		*122*	*71-129*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*123*	*68-131*			
Surrogate: Bromochloromethane					*ug/L*		*125*	*68-147*			

LCS Dup Analyzed: 10/26/10 (Lab Number:10J2155-BSD1, Batch: 10J2155)

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Halocarbons by EPA Method 601											
LCS Dup Analyzed: 10/26/10 (Lab Number:10J2155-BSD1, Batch: 10J2155)											
1,1,1-Trichloroethane		4.00	1.0	0.27	ug/L	4.48	112	41-138	20	30	
1,1,2,2-Tetrachloroethane		4.00	1.0	0.21	ug/L	4.72	118	8-184	27	30	
1,1,2-Trichloroethane		4.00	1.0	0.23	ug/L	4.27	107	39-136	21	30	
1,1-Dichloroethane		4.00	1.0	0.26	ug/L	4.45	111	47-132	21	30	
1,1-Dichloroethene		4.00	1.0	0.23	ug/L	4.18	105	28-167	19	30	
1,2-Dichlorobenzene		4.00	1.0	0.26	ug/L	4.09	102	38-150	27	30	
1,2-Dichloroethane		4.00	1.0	0.25	ug/L	4.55	114	51-147	17	30	
1,2-Dichloropropane		4.00	1.0	0.25	ug/L	4.70	117	44-156	19	30	
1,3-Dichlorobenzene		4.00	1.0	0.24	ug/L	4.19	105	7-187	24	30	
1,4-Dichlorobenzene		4.00	1.0	0.24	ug/L	4.35	109	42-143	23	30	
2-Chloroethyl vinyl ether		4.00	1.0	0.15	ug/L	3.91	98	14-186	26	30	
Bromodichloromethane		4.00	1.0	0.19	ug/L	4.12	103	42-172	21	30	
Bromoform		4.00	1.0	0.18	ug/L	3.98	100	13-159	23	30	
Bromomethane		4.00	1.0	0.14	ug/L	3.20	80	0-144	19	30	
Carbon Tetrachloride		4.00	1.0	0.28	ug/L	4.31	108	43-143	13	30	
Chlorobenzene		4.00	1.0	0.20	ug/L	3.94	98	38-150	24	30	
Chlorodibromomethane		4.00	1.0	0.17	ug/L	4.09	102	24-180	24	30	
Chloroethane		4.00	1.0	0.25	ug/L	4.39	110	46-137	22	30	
Chloroform		4.00	1.0	0.27	ug/L	5.06	126	49-133	19	30	
Chloromethane		4.00	1.0	0.26	ug/L	4.27	107	0-193	26	30	
cis-1,2-Dichloroethene		4.00	1.0	0.24	ug/L	4.49	112	38-155	20	30	
cis-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	4.23	106	22-178	23	30	
Dichlorodifluoromethane		4.00	1.0	0.33	ug/L	4.62	116	10-193	22	30	
Methylene Chloride		4.00	1.0	0.11	ug/L	8.40	210	25-162	14	30	L
Tetrachloroethene		4.00	1.0	0.28	ug/L	3.98	100	26-162	19	30	
trans-1,2-Dichloroethene		4.00	1.0	0.25	ug/L	4.60	115	38-155	20	30	
trans-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	4.23	106	22-178	24	30	
Trichloroethene		4.00	1.0	0.29	ug/L	4.23	106	35-146	19	30	
Trichlorofluoromethane		4.00	1.0	0.28	ug/L	4.75	119	21-156	21	30	
Vinyl chloride		4.00	1.0	0.12	ug/L	4.72	118	28-163	20	30	
Surrogate: 2-Bromochlorobenzene					*ug/L*		*121*	*71-129*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*120*	*68-131*			
Surrogate: Bromochloromethane					*ug/L*		*125*	*68-147*			

Purgeable Halocarbons by EPA Method 601

Sterling Environmental Engineering
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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Halocarbons by EPA Method 601											
Blank Analyzed: 10/27/10 (Lab Number:10J2262-BLK1, Batch: 10J2262)											
1,1,1-Trichloroethane			1.0	0.27	ug/L	ND					
1,1,2,2-Tetrachloroethane			1.0	0.21	ug/L	ND					
1,1,2-Trichloroethane			1.0	0.23	ug/L	ND					
1,1-Dichloroethane			1.0	0.26	ug/L	ND					
1,1-Dichloroethene			1.0	0.23	ug/L	ND					
1,2-Dichlorobenzene			1.0	0.26	ug/L	ND					
1,2-Dichloroethane			1.0	0.25	ug/L	ND					
1,2-Dichloropropane			1.0	0.25	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.24	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.24	ug/L	ND					
2-Chloroethyl vinyl ether			1.0	0.15	ug/L	ND					
Bromodichloromethane			1.0	0.19	ug/L	ND					
Bromoform			1.0	0.18	ug/L	ND					
Bromomethane			1.0	0.14	ug/L	ND					
Carbon Tetrachloride			1.0	0.28	ug/L	ND					
Chlorobenzene			1.0	0.20	ug/L	ND					
Chlorodibromomethane			1.0	0.17	ug/L	ND					
Chloroethane			1.0	0.25	ug/L	ND					
Chloroform			1.0	0.27	ug/L	ND					
Chloromethane			1.0	0.26	ug/L	ND					
cis-1,2-Dichloroethene			1.0	0.24	ug/L	ND					
cis-1,3-Dichloropropene			1.0	0.23	ug/L	ND					
Dichlorodifluoromethane			1.0	0.33	ug/L	ND					
Methylene Chloride			1.0	0.11	ug/L	ND					
Tetrachloroethene			1.0	0.28	ug/L	ND					
trans-1,2-Dichloroethene			1.0	0.25	ug/L	ND					
trans-1,3-Dichloropropene			1.0	0.23	ug/L	ND					
Trichloroethene			1.0	0.29	ug/L	ND					
Trichlorofluoromethane			1.0	0.28	ug/L	ND					
Vinyl chloride			1.0	0.12	ug/L	ND					
Surrogate: 2-Bromochlorobenzene					*ug/L*		*117*	*71-129*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*114*	*68-131*			
Surrogate: Bromochloromethane					*ug/L*		*120*	*68-147*			
LCS Analyzed: 10/27/10 (Lab Number:10J2262-BS1, Batch: 10J2262)											

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Halocarbons by EPA Method 601											
LCS Analyzed: 10/27/10 (Lab Number:10J2262-BS1, Batch: 10J2262)											
1,1,1-Trichloroethane		4.00	1.0	0.27	ug/L	5.36	134	41-138			
1,1,2,2-Tetrachloroethane		4.00	1.0	0.21	ug/L	5.96	149	8-184			
1,1,2-Trichloroethane		4.00	1.0	0.23	ug/L	5.29	132	39-136			
1,1-Dichloroethane		4.00	1.0	0.26	ug/L	5.41	135	47-132			L1
1,1-Dichloroethene		4.00	1.0	0.23	ug/L	5.25	131	28-167			
1,2-Dichlorobenzene		4.00	1.0	0.26	ug/L	5.14	128	38-150			
1,2-Dichloroethane		4.00	1.0	0.25	ug/L	5.51	138	51-147			
1,2-Dichloropropane		4.00	1.0	0.25	ug/L	5.53	138	44-156			
1,3-Dichlorobenzene		4.00	1.0	0.24	ug/L	5.21	130	7-187			
1,4-Dichlorobenzene		4.00	1.0	0.24	ug/L	5.22	130	42-143			
2-Chloroethyl vinyl ether		4.00	1.0	0.15	ug/L	3.86	96	14-186			
Bromodichloromethane		4.00	1.0	0.19	ug/L	5.04	126	42-172			
Bromoform		4.00	1.0	0.18	ug/L	4.93	123	13-159			
Bromomethane		4.00	1.0	0.14	ug/L	2.98	74	0-144			
Carbon Tetrachloride		4.00	1.0	0.28	ug/L	5.32	133	43-143			
Chlorobenzene		4.00	1.0	0.20	ug/L	4.78	120	38-150			
Chlorodibromomethane		4.00	1.0	0.17	ug/L	5.01	125	24-180			
Chloroethane		4.00	1.0	0.25	ug/L	4.15	104	46-137			
Chloroform		4.00	1.0	0.27	ug/L	5.96	149	49-133			L1
Chloromethane		4.00	1.0	0.26	ug/L	4.29	107	0-193			
cis-1,2-Dichloroethene		4.00	1.0	0.24	ug/L	5.43	136	38-155			
cis-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	5.09	127	22-178			
Dichlorodifluoromethane		4.00	1.0	0.33	ug/L	4.33	108	10-193			
Methylene Chloride		4.00	1.0	0.11	ug/L	10.2	255	25-162			L1
Tetrachloroethene		4.00	1.0	0.28	ug/L	4.91	123	26-162			
trans-1,2-Dichloroethene		4.00	1.0	0.25	ug/L	5.68	142	38-155			
trans-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	5.20	130	22-178			
Trichloroethene		4.00	1.0	0.29	ug/L	5.07	127	35-146			
Trichlorofluoromethane		4.00	1.0	0.28	ug/L	4.63	116	21-156			
Vinyl chloride		4.00	1.0	0.12	ug/L	4.45	111	28-163			
Surrogate: 2-Bromochlorobenzene					*ug/L*		*114*	*71-129*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*112*	*68-131*			
Surrogate: Bromochloromethane					*ug/L*		*118*	*68-147*			

LCS Dup Analyzed: 10/27/10 (Lab Number:10J2262-BSD1, Batch: 10J2262)

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Halocarbons by EPA Method 601											
LCS Dup Analyzed: 10/27/10 (Lab Number:10J2262-BSD1, Batch: 10J2262)											
1,1,1-Trichloroethane		4.00	1.0	0.27	ug/L	4.77	119	41-138	12	30	
1,1,2,2-Tetrachloroethane		4.00	1.0	0.21	ug/L	5.09	127	8-184	16	30	
1,1,2-Trichloroethane		4.00	1.0	0.23	ug/L	4.48	112	39-136	17	30	
1,1-Dichloroethane		4.00	1.0	0.26	ug/L	4.67	117	47-132	15	30	
1,1-Dichloroethene		4.00	1.0	0.23	ug/L	4.51	113	28-167	15	30	
1,2-Dichlorobenzene		4.00	1.0	0.26	ug/L	4.46	112	38-150	14	30	
1,2-Dichloroethane		4.00	1.0	0.25	ug/L	4.62	116	51-147	18	30	
1,2-Dichloropropane		4.00	1.0	0.25	ug/L	4.68	117	44-156	17	30	
1,3-Dichlorobenzene		4.00	1.0	0.24	ug/L	4.41	110	7-187	17	30	
1,4-Dichlorobenzene		4.00	1.0	0.24	ug/L	4.52	113	42-143	14	30	
2-Chloroethyl vinyl ether		4.00	1.0	0.15	ug/L	3.26	81	14-186	17	30	
Bromodichloromethane		4.00	1.0	0.19	ug/L	4.28	107	42-172	16	30	
Bromoform		4.00	1.0	0.18	ug/L	4.13	103	13-159	18	30	
Bromomethane		4.00	1.0	0.14	ug/L	2.63	66	0-144	13	30	
Carbon Tetrachloride		4.00	1.0	0.28	ug/L	4.56	114	43-143	16	30	
Chlorobenzene		4.00	1.0	0.20	ug/L	4.18	105	38-150	13	30	
Chlorodibromomethane		4.00	1.0	0.17	ug/L	4.32	108	24-180	15	30	
Chloroethane		4.00	1.0	0.25	ug/L	3.79	95	46-137	9	30	
Chloroform		4.00	1.0	0.27	ug/L	5.19	130	49-133	14	30	
Chloromethane		4.00	1.0	0.26	ug/L	3.80	95	0-193	12	30	
cis-1,2-Dichloroethene		4.00	1.0	0.24	ug/L	4.69	117	38-155	15	30	
cis-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	4.17	104	22-178	20	30	
Dichlorodifluoromethane		4.00	1.0	0.33	ug/L	3.81	95	10-193	13	30	
Methylene Chloride		4.00	1.0	0.11	ug/L	9.90	248	25-162	3	30	L1
Tetrachloroethene		4.00	1.0	0.28	ug/L	4.30	107	26-162	13	30	
trans-1,2-Dichloroethene		4.00	1.0	0.25	ug/L	4.81	120	38-155	17	30	
trans-1,3-Dichloropropene		4.00	1.0	0.23	ug/L	4.36	109	22-178	18	30	
Trichloroethene		4.00	1.0	0.29	ug/L	4.39	110	35-146	14	30	
Trichlorofluoromethane		4.00	1.0	0.28	ug/L	3.96	99	21-156	16	30	
Vinyl chloride		4.00	1.0	0.12	ug/L	4.09	102	28-163	8	30	
Surrogate: 2-Bromochlorobenzene					*ug/L*		*118*	*71-129*			
Surrogate: 4-Bromofluorobenzene					*ug/L*		*116*	*68-131*			
Surrogate: Bromochloromethane					*ug/L*		*118*	*68-147*			

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LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Aromatics by EPA Method 602											
Blank Analyzed: 10/26/10 (Lab Number:10J2155-BLK1, Batch: 10J2155)											
1,2-Dichlorobenzene			1.0	0.28	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.27	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.29	ug/L	ND					
Benzene			1.0	0.35	ug/L	ND					
Chlorobenzene			1.0	0.29	ug/L	ND					
Ethylbenzene			1.0	0.26	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.20	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.58	ug/L	ND					
o-Xylene			1.0	0.29	ug/L	ND					
Toluene			1.0	0.30	ug/L	ND					
Xylenes, total			2.0	0.58	ug/L	ND					
Surrogate: a,a,a-Trifluorotoluene					*ug/L*		*107*	*72-132*			
LCS Analyzed: 10/26/10 (Lab Number:10J2155-BS1, Batch: 10J2155)											
1,2-Dichlorobenzene		4.00	1.0	0.28	ug/L	5.05	126	55-135			
1,3-Dichlorobenzene		4.00	1.0	0.27	ug/L	4.85	121	50-141			
1,4-Dichlorobenzene		4.00	1.0	0.29	ug/L	5.03	126	42-143			
Benzene		4.00	1.0	0.35	ug/L	4.57	114	39-150			
Chlorobenzene		4.00	1.0	0.29	ug/L	4.79	120	55-135			
Ethylbenzene		4.00	1.0	0.26	ug/L	4.71	118	32-160			
Methyl tert-Butyl Ether		4.00	1.0	0.20	ug/L	5.14	128	39-150			
m-Xylene & p-Xylene		8.00	2.0	0.58	ug/L	9.51	119	32-160			
o-Xylene		4.00	1.0	0.29	ug/L	4.78	120	32-160			
Toluene		4.00	1.0	0.30	ug/L	4.61	115	46-148			
Xylenes, total		12.0	2.0	0.58	ug/L	4.78	40	32-160			
Surrogate: a,a,a-Trifluorotoluene					*ug/L*		*106*	*72-132*			
LCS Dup Analyzed: 10/26/10 (Lab Number:10J2155-BSD1, Batch: 10J2155)											
1,2-Dichlorobenzene		4.00	1.0	0.28	ug/L	3.96	99	55-135	24	30	
1,3-Dichlorobenzene		4.00	1.0	0.27	ug/L	3.83	96	50-141	24	30	
1,4-Dichlorobenzene		4.00	1.0	0.29	ug/L	3.94	98	42-143	24	30	
Benzene		4.00	1.0	0.35	ug/L	3.74	93	39-150	20	30	
Chlorobenzene		4.00	1.0	0.29	ug/L	3.82	96	55-135	23	30	
Ethylbenzene		4.00	1.0	0.26	ug/L	3.75	94	32-160	23	30	
Methyl tert-Butyl Ether		4.00	1.0	0.20	ug/L	4.18	105	39-150	20	30	
m-Xylene & p-Xylene		8.00	2.0	0.58	ug/L	7.61	95	32-160	22	30	

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Aromatics by EPA Method 602											
LCS Dup Analyzed: 10/26/10 (Lab Number:10J2155-BSD1, Batch: 10J2155)											
o-Xylene		4.00	1.0	0.29	ug/L	3.82	95	32-160	22	30	
Toluene		4.00	1.0	0.30	ug/L	3.71	93	46-148	22	30	
Xylenes, total		12.0	2.0	0.58	ug/L	3.82	32	32-160	22	30	
Surrogate: a,a,a-Trifluorotoluene					*ug/L*		*105*	*72-132*			
Purgeable Aromatics by EPA Method 602											
Blank Analyzed: 10/27/10 (Lab Number:10J2262-BLK1, Batch: 10J2262)											
1,2-Dichlorobenzene			1.0	0.28	ug/L	ND					
1,3-Dichlorobenzene			1.0	0.27	ug/L	ND					
1,4-Dichlorobenzene			1.0	0.29	ug/L	ND					
Benzene			1.0	0.35	ug/L	ND					
Chlorobenzene			1.0	0.29	ug/L	ND					
Ethylbenzene			1.0	0.26	ug/L	ND					
Methyl tert-Butyl Ether			1.0	0.20	ug/L	ND					
m-Xylene & p-Xylene			2.0	0.58	ug/L	ND					
o-Xylene			1.0	0.29	ug/L	ND					
Toluene			1.0	0.30	ug/L	ND					
Xylenes, total			2.0	0.58	ug/L	ND					
Surrogate: a,a,a-Trifluorotoluene					*ug/L*		*106*	*72-132*			
LCS Analyzed: 10/27/10 (Lab Number:10J2262-BS1, Batch: 10J2262)											
1,2-Dichlorobenzene		4.00	1.0	0.28	ug/L	5.24	131	55-135			
1,3-Dichlorobenzene		4.00	1.0	0.27	ug/L	5.03	126	50-141			
1,4-Dichlorobenzene		4.00	1.0	0.29	ug/L	5.20	130	42-143			
Benzene		4.00	1.0	0.35	ug/L	4.96	124	39-150			
Chlorobenzene		4.00	1.0	0.29	ug/L	5.01	125	55-135			
Ethylbenzene		4.00	1.0	0.26	ug/L	4.98	124	32-160			
Methyl tert-Butyl Ether		4.00	1.0	0.20	ug/L	5.11	128	39-150			
m-Xylene & p-Xylene		8.00	2.0	0.58	ug/L	10.0	125	32-160			
o-Xylene		4.00	1.0	0.29	ug/L	4.99	125	32-160			
Toluene		4.00	1.0	0.30	ug/L	4.87	122	46-148			
Xylenes, total		12.0	2.0	0.58	ug/L	4.99	42	32-160			
Surrogate: a,a,a-Trifluorotoluene					*ug/L*		*107*	*72-132*			
LCS Dup Analyzed: 10/27/10 (Lab Number:10J2262-BSD1, Batch: 10J2262)											

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Purgeable Aromatics by EPA Method 602											
LCS Dup Analyzed: 10/27/10 (Lab Number:10J2262-BSD1, Batch: 10J2262)											
1,2-Dichlorobenzene		4.00	1.0	0.28	ug/L	4.36	109	55-135	18	30	
1,3-Dichlorobenzene		4.00	1.0	0.27	ug/L	4.21	105	50-141	18	30	
1,4-Dichlorobenzene		4.00	1.0	0.29	ug/L	4.35	109	42-143	18	30	
Benzene		4.00	1.0	0.35	ug/L	4.02	100	39-150	21	30	
Chlorobenzene		4.00	1.0	0.29	ug/L	4.18	105	55-135	18	30	
Ethylbenzene		4.00	1.0	0.26	ug/L	4.19	105	32-160	17	30	
Methyl tert-Butyl Ether		4.00	1.0	0.20	ug/L	4.21	105	39-150	19	30	
m-Xylene & p-Xylene		8.00	2.0	0.58	ug/L	8.43	105	32-160	17	30	
o-Xylene		4.00	1.0	0.29	ug/L	4.20	105	32-160	17	30	
Toluene		4.00	1.0	0.30	ug/L	4.04	101	46-148	19	30	
Xylenes, total		12.0	2.0	0.58	ug/L	4.20	35	32-160	17	30	
Surrogate: a,a,a-Trifluorotoluene					*ug/L*		*104*	*72-132*			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by EPA 200 Series Methods											
Blank Analyzed: 10/26/10 (Lab Number:10J1817-BLK1, Batch: 10J1817)											
Antimony			3.0	NR	ug/L	ND					
Thallium			0.5	NR	ug/L	ND					
LCS Analyzed: 10/26/10 (Lab Number:10J1817-BS1, Batch: 10J1817)											
Antimony		20.0	1.0	NR	ug/L	20.4	102	85-115			
Thallium		20.0	0.2	NR	ug/L	20.9	104	85-115			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/22/10 (Lab Number:10J1794-BLK1, Batch: 10J1794)											
Aluminum			0.200	0.045	mg/L	ND					
Arsenic			0.0100	0.0056	mg/L	ND					
Barium			0.0020	0.0005	mg/L	ND					
Beryllium			0.0020	0.0003	mg/L	ND					
Cadmium			0.0010	0.0003	mg/L	ND					
Calcium			0.5	0.1	mg/L	ND					
Chromium			0.0040	0.0009	mg/L	ND					
Cobalt			0.0040	0.0006	mg/L	ND					
Copper			0.0100	0.0015	mg/L	ND					
Iron			0.050	0.019	mg/L	ND					
Lead			0.0050	0.0030	mg/L	ND					
Magnesium			0.200	0.043	mg/L	ND					
Manganese			0.0030	0.0002	mg/L	0.0002					B,J
Nickel			0.0100	0.0013	mg/L	ND					
Potassium			0.500	0.200	mg/L	ND					
Selenium			0.0150	0.0087	mg/L	ND					
Silver			0.0030	0.0017	mg/L	ND					
Sodium			1.0	0.3	mg/L	ND					
Vanadium			0.0050	0.0011	mg/L	ND					
Zinc			0.0100	0.0017	mg/L	ND					
LCS Analyzed: 10/22/10 (Lab Number:10J1794-BS1, Batch: 10J1794)											
Aluminum		10.0	0.200	0.045	mg/L	9.56	96	80-120			
Arsenic		0.200	0.0100	0.0056	mg/L	0.200	100	80-120			
Barium		0.200	0.0020	0.0005	mg/L	0.198	99	80-120			
Beryllium		0.200	0.0020	0.0003	mg/L	0.210	105	80-120			
Cadmium		0.200	0.0010	0.0003	mg/L	0.195	98	80-120			
Calcium		10.0	0.5	0.1	mg/L	9.96	100	80-120			
Chromium		0.200	0.0040	0.0009	mg/L	0.203	102	80-120			
Cobalt		0.200	0.0040	0.0006	mg/L	0.197	99	80-120			
Copper		0.200	0.0100	0.0015	mg/L	0.196	98	80-120			
Iron		10.0	0.050	0.019	mg/L	10.4	104	80-120			
Lead		0.200	0.0050	0.0030	mg/L	0.202	101	80-120			
Magnesium		10.0	0.200	0.043	mg/L	10.4	104	80-120			
Manganese		0.200	0.0030	0.0002	mg/L	0.212	106	80-120			B
Nickel		0.200	0.0100	0.0013	mg/L	0.194	97	80-120			
Potassium		10.0	0.500	0.200	mg/L	10.1	101	80-120			

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Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
Total Metals by SW 846 Series Methods											
LCS Analyzed: 10/22/10 (Lab Number:10J1794-BS1, Batch: 10J1794)											
Selenium		0.200	0.0150	0.0087	mg/L	0.204	102	80-120			
Silver		0.0500	0.0030	0.0017	mg/L	0.0514	103	80-120			
Sodium		10.0	1.0	0.3	mg/L	10.1	101	80-120			
Vanadium		0.200	0.0050	0.0011	mg/L	0.198	99	80-120			
Zinc		0.200	0.0100	0.0017	mg/L	0.202	101	80-120			
Total Metals by SW 846 Series Methods											
Blank Analyzed: 10/22/10 (Lab Number:10J1870-BLK1, Batch: 10J1870)											
Mercury			0.0002	0.0001	mg/L	ND					
LCS Analyzed: 10/22/10 (Lab Number:10J1870-BS1, Batch: 10J1870)											
Mercury		0.00667	0.0002	0.0001	mg/L	0.00667	100	80-120			

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
General Chemistry Parameters											
Blank Analyzed: 10/22/10 (Lab Number:10J1895-BLK1, Batch: 10J1895)											
Chemical Oxygen Demand			10.0	5.0	mg/L	ND					
LCS Analyzed: 10/22/10 (Lab Number:10J1895-BS1, Batch: 10J1895)											
Chemical Oxygen Demand		25.0	10.0	5.0	mg/L	26.4	106	90-110			
Duplicate Analyzed: 10/22/10 (Lab Number:10J1895-DUP1, Batch: 10J1895)											
QC Source Sample: RTJ1673-07											
Chemical Oxygen Demand	ND		10.0	5.0	mg/L	ND				20	
Matrix Spike Analyzed: 10/22/10 (Lab Number:10J1895-MS1, Batch: 10J1895)											
QC Source Sample: RTJ1673-07											
Chemical Oxygen Demand	ND	50.0	20.0	10.0	mg/L	64.0	128	75-125			M7,D15
General Chemistry Parameters											
Blank Analyzed: 10/22/10 (Lab Number:10J1896-BLK1, Batch: 10J1896)											
Chemical Oxygen Demand			10.0	5.0	mg/L	ND					
LCS Analyzed: 10/22/10 (Lab Number:10J1896-BS1, Batch: 10J1896)											
Chemical Oxygen Demand		75.0	10.0	5.0	mg/L	68.7	92	90-110			
General Chemistry Parameters											
Blank Analyzed: 10/22/10 (Lab Number:10J1927-BLK1, Batch: 10J1927)											
Alkalinity, Total			10.0	4.0	mg/L	9.4					J
LCS Analyzed: 10/22/10 (Lab Number:10J1927-BS1, Batch: 10J1927)											
Alkalinity, Total		50.0	10.0	4.0	mg/L	49.4	99	90-110			B
General Chemistry Parameters											
Blank Analyzed: 10/22/10 (Lab Number:10J1930-BLK1, Batch: 10J1930)											
Alkalinity, Total			10.0	4.0	mg/L	7.3					J
LCS Analyzed: 10/22/10 (Lab Number:10J1930-BS1, Batch: 10J1930)											
Alkalinity, Total		50.0	10.0	4.0	mg/L	48.0	96	90-110			B
General Chemistry Parameters											

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
General Chemistry Parameters											
LCS Analyzed: 10/22/10 (Lab Number:10J1958-BS1, Batch: 10J1958)											
pH		7.00	NA	0.00	SU	7.00	100	99.3-100.8			
General Chemistry Parameters											
Blank Analyzed: 10/26/10 (Lab Number:10J2184-BLK1, Batch: 10J2184)											
Alkalinity, Total			10.0	4.0	mg/L	6.5					J
LCS Analyzed: 10/26/10 (Lab Number:10J2184-BS1, Batch: 10J2184)											
Alkalinity, Total		50.0	10.0	4.0	mg/L	50.7	101	90-110			B
General Chemistry Parameters											
Blank Analyzed: 10/26/10 (Lab Number:10J2265-BLK1, Batch: 10J2265)											
Total Hardness			2.00	0.525	mg/L	ND					
LCS Analyzed: 10/26/10 (Lab Number:10J2265-BS1, Batch: 10J2265)											
Total Hardness		250	2.00	0.525	mg/L	258	103	90-110			
Duplicate Analyzed: 10/26/10 (Lab Number:10J2265-DUP1, Batch: 10J2265)											
QC Source Sample: RTJ1673-08											
Total Hardness	42.7		2.00	0.525	mg/L	42.4			0.8	15	
Matrix Spike Analyzed: 10/26/10 (Lab Number:10J2265-MS1, Batch: 10J2265)											
QC Source Sample: RTJ1673-09											
Total Hardness	84.6	100	2.00	0.525	mg/L	185	101	74-130			
General Chemistry Parameters											
Blank Analyzed: 10/28/10 (Lab Number:10J2455-BLK1, Batch: 10J2455)											
Total Hardness			2.00	0.525	mg/L	ND					
LCS Analyzed: 10/28/10 (Lab Number:10J2455-BS1, Batch: 10J2455)											
Total Hardness		250	2.00	0.525	mg/L	259	103	90-110			
General Chemistry Parameters											
Blank Analyzed: 10/30/10 (Lab Number:10J2525-BLK1, Batch: 10J2525)											
Total Kjeldahl Nitrogen			0.20	0.15	mg/L	ND					
LCS Analyzed: 10/30/10 (Lab Number:10J2525-BS1, Batch: 10J2525)											
Total Kjeldahl Nitrogen		2.50	0.20	0.15	mg/L	2.60	104	90-110			
Duplicate Analyzed: 10/30/10 (Lab Number:10J2525-DUP1, Batch: 10J2525)											

Sterling Environmental Engineering
24 Wade Road
Latham, NY 12110

Work Order: RTJ1673

Project: Ramapo Monitoring
Project Number: Ramapo Monitoring

Received: 10/21/10
Reported: 11/09/10 12:05

LABORATORY QC DATA

Analyte	Source Result	Spike Level	RL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Data Qualifiers
General Chemistry Parameters											
Duplicate Analyzed: 10/30/10 (Lab Number:10J2525-DUP1, Batch: 10J2525)											
QC Source Sample: RTJ1673-05											
Total Kjeldahl Nitrogen	ND		0.20	0.15	mg/L	ND				20	
Matrix Spike Analyzed: 10/30/10 (Lab Number:10J2525-MS1, Batch: 10J2525)											
QC Source Sample: RTJ1673-05											
Total Kjeldahl Nitrogen	ND	1.00	0.20	0.15	mg/L	0.602	60	72-127			M8
General Chemistry Parameters											
Blank Analyzed: 10/30/10 (Lab Number:10J2526-BLK1, Batch: 10J2526)											
Total Kjeldahl Nitrogen			0.20	0.15	mg/L	ND					
LCS Analyzed: 10/30/10 (Lab Number:10J2526-BS1, Batch: 10J2526)											
Total Kjeldahl Nitrogen		2.50	0.20	0.15	mg/L	2.46	98	90-110			
General Chemistry Parameters											
Blank Analyzed: 10/29/10 (Lab Number:10J2569-BLK1, Batch: 10J2569)											
Total Hardness			2.00	0.525	mg/L	ND					
LCS Analyzed: 10/29/10 (Lab Number:10J2569-BS1, Batch: 10J2569)											
Total Hardness		250	2.00	0.525	mg/L	259	104	90-110			
General Chemistry Parameters											
Blank Analyzed: 11/02/10 (Lab Number:10K0119-BLK1, Batch: 10K0119)											
Total Hardness			2.00	0.525	mg/L	ND					
LCS Analyzed: 11/02/10 (Lab Number:10K0119-BS1, Batch: 10K0119)											
Total Hardness		250	2.00	0.525	mg/L	252	101	90-110			

TCPH

Chain of Custody Record

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☑

TAL-4124 (1007)

Client: Sterling Environmental Engineering P.C.

Address: 24 Wade Rd.

City: Latham State: NY Zip Code: 12110

Project Name and Location (State): Town of Ramapo

Contract/Purchase Order/Quote No.: 20010

Project Manager: Jessica Sgambati

Telephone Number (Area Code)/Fax Number: (518) 456-4900 / (518) 456-3532

Site Contact: Jessica Sgambati Lab Contact: Paul Morrow

Carrier/Waybill Number:

Date: 10/20/10 Chain of Custody Number: 167946

Lab Number: Page ____ of ____

Analysis (Attach list if more space is needed): TKN, COD, pH, Alkalinity, Hardness, Mercury by method 245.?, 1,1-Dichloroethane, Vinyl Chloride, Benzene, Chlorobenzene, TAL metals by method 200.8 including Antimony

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TKN, COD, pH	Alkalinity	Hardness, Mercury	by method 245.?	1,1-Dichloroethane	Vinyl Chloride	Benzene	Chlorobenzene	TAL metals by	method 200.8	including	Antimony
mw-9R	10/20/10	13:30		X			1	1	2	4			X	X	X	X	X	X	X	X	X	X	X	X
~~mw~~ mw-9I	↓	13:00		↓			↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
mw-90S	↓	12:35		↓			↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Duplicate	↓	13:35		↓			↓	↓	↓	↓			↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

Special Instructions/Conditions of Receipt: I need the reporting limit for Antimony to be ≤0.003 mg and the reporting limit for Thallium to be ≤ 0.000[illegible]

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☑ Other STD. TAT

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By [signature]	10/20/10	16:00	1. Received By [signature]	10-21-10	0850
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments:

2023

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

171687

TCPH

Chain of Custody Record

Temperature on Receipt ______

Drinking Water? Yes ☐ No ☑

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Sterling Environmental Engineering, P.C.	Jessica Sgambati	10/20/10	167945
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page ___ of ___**
24 Wade Rd.	(518) 456-4900 / (518) 456-3532		

City	State	Zip Code	Site Contact	Lab Contact
Latham	NY	12110	Jessica Sgambati	Paul Morrow

Project Name and Location (State): Town of Ramapo

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 20010

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TKN COD pH	Alkalinity	Hardness	1,1-Dichloroethane	Vinyl Chloride	Benzene	Chlorobenzene	TAL metals by	method 200.8	including Antimony	Full VOCs by	method 524.2	Special Instructions/ Conditions of Receipt
SVWC-93	10/20/10	11.00		X			1	1	2	4			X	X	X	X	X	X	X	X	X	X			I need the
SVWC-95	↓	11.10		↓			↓	↓	↓	↓			X	X	X	X	X	X	X	X	X	X			reporting limit
SVWC-96	↓	11.15		↓			↓	↓	↓	↓			X	X	X	X	X	X	X	X	X	X			for Antimony to
pw-1	↓	12:10		↓			↓	↓	↓	↓			X	X	X	X	X	X	X	X	X	X			≤ 0.003 mg/L
pw-2	↓	11.50		↓			↓	↓	↓	↓			X	X	X					X	X	X	X	X	The reporting
																									for Thallium to
																									≤ 0.0005 mg/L

Possible Hazard Identification: ☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☑ Other STD TAT

QC Requirements (Specify):

1. Relinquished By	Date	Time	1. Received By	Date	Time
[signature]	10/20/10	16.00	[signature]	10-21-10	[illegible]
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments:

2.0 °C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

171667