3 4 4 0 0 4

STERLING
Sterling Environmental Engineering, P.C.

December 19, 2007

Mr. Jim Schreyer
Construction Inspector
Division of Environmental Remediation
NYS Department of Environmental Conservation
Region 3
21 South Putt Corners Road
New Paltz, New York 12561-1696

DEC 2 1 2007

Subject: Town of Ramapo Landfill
2007 Annual Monitoring Results
STERLING File #20010

Dear Mr. Schreyer,

This letter report provides groundwater, drinking water and air monitoring results for the 2007 annual post-closure monitoring event at the Town of Ramapo Landfill, Rockland County, New York. The New York State Department of Environmental Conservation (NYSDEC) approved a variance request on October 27, 2003 reducing the monitoring frequency to annually.

Groundwater samples were collected on October 9 and 10, 2007, from post-closure monitoring well locations 1-OS, 2-OS, 3-OS/I, 4-OS, 5-OS, 7-OS, 8-OS, 8-I, 8-R, 9-OS, 9-I, 9-R, private water supply wells PW-1, PW-2, and municipal water supply wells SVWC-93 through SVWC-96. Static water level readings were obtained for all monitoring well locations. Groundwater sampling locations are shown on Figure 1. A representative from United Water New York was present during sampling of the SVWC water supply wells.

The 2007 air monitoring event was conducted on October 9, 2007. Air monitoring locations are shown on Figure 1 and results are summarized on Table 1.

Results for groundwater and air monitoring are summarized below.

GROUNDWATER MONITORING

Field parameters measured at the time of sampling are presented on Table 2, "Field Parameters and Water Levels". All samples were analyzed for approved post-closure 6 NYCRR Part 360 Baseline and Site Related Parameters by Life Science Laboratories, Inc. located in East Syracuse, New York, acccording to the United States Environmental Protection Agency (USEPA) methodologies and protocols.

The 2007 analytical results are summarized on Table 3, "Post-Closure Groundwater Quality Monitoring Analytical Results." This table also includes analytical data for the previous three (3) sampling events. Historic analytical data for the target compounds Benzene, Chromium, Iron and Manganese are presented on Tables 3A through 3D. A copy of the laboratory report for the October 2007 sampling event, prepared according to NYSDEC Analytical Services Protocol (ASP) Category A reporting requirements, is attached.

24 Wade Road ✦ Latham, New York 12110 ✦ Tel: 518-456-4900 ✦ Fax: 518-456-3532
E-mail: sterling@sterlingenvironmental.com ✦ Web Site: www.sterlingenvironmental.com

During the October 2007 sampling event, a duplicate sample was collected from groundwater well 9-R and labeled DUP 10/07.

As presented on Tables 2 and 3A through 3D, the 2007 monitoring results are generally consistent with historic results. A brief discussion of the 2007 monitoring results with respect to the NYSDEC Division of Water Technical and Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (June 1998) (TOGS 1.1.1) for each well follows:

Well 1-OS:

The 2007 reported concentration results for Arsenic, Chromium, Iron, Lead, Manganese, Nickel, Sodium and Thallium exceed TOGS 1.1.1. These reported exceedances are consistent with the 2005 and 2006 results. Additionally, the concentration for Antimony is reported at 9.6 ug/L and is above the TOGS 1.1.1 (3 ug/L) for this event. The reported level for Antimony in 2005 and 2006 was "non-detected". No Volatile Organic Compounds (VOCs) are reported for the sample from Well 1-OS for the 2005-2007 monitoring events. Well 1-OS was not sampled during the March 2004 monitoring event due to a damaged well casing.

Well 2-OS:

Consistent with the 2004-2006 historical results, the 2007 reported concentrations for Chromium, Iron and Manganese exceed the applicable TOGS 1.1.1. The reported Chromium concentrations show an increasing trend from 2004 to 2007 (87.1 ug/L in 2004 compared to 250 ug/L in 2007). The 2007 reported concentration for Nickel also exceeds the applicable TOGS 1.1.1, but did not exceed the standard for the 2004-2006 events. One (1) reported VOC, 1, 1-Dichloroethane, does not exceed the TOGS 1.1.1 of 5 ug/L. No detected VOCs are reported for the 2004-2006 events.

Well 3-OS/I:

The 2007 reported concentrations for Chromium, Iron, Manganese, Nickel, and Sodium concentrations exceed the applicable TOGS 1.1.1 and are consistent with the results reported for the 2004-2006 events. The 2007 reported concentration for Antimony is 8.4 ug/L and is above TOGS 1.1.1 (3 ug/L). The reported level for Antimony in October 2003 was 155 ug/L and "non-detected" for the 2004-2006 events. No detected VOCs are reported for the 2007 monitoring event or for the 2004–2006 events.

Well 4-OS:

The 2007 reported concentrations for Chromium, Iron, Manganese and Sodium exceed applicable TOGS 1.1.1 and are consistent with the results reported for the 2004-2006 events. One (1) reported VOC detection for 1,1-Dichloroethane (0.15 ppb) does not exceed the TOGS 1.1.1 of 5 ug/L. No VOCs are reported for the 2004-2006 events.

Well 5-OS:

The 2007 reported concentrations for Iron exceeds the TOGS 1.1.1 and is consistent with the March 2004 and September 2006 results. The 2007 reported concentrations for Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Magnesium, Manganese and Thallium reported concentrations

do not exceed the applicable TOGS 1.1.1, but did for the 2004 and 2006 events. No VOCs are detected for the 2004, 2006 or 2007 events.

Well 7-OS:

Reported 2007 concentrations for Chromium, Iron and Manganese exceed the applicable TOGS 1.1.1 and are consistent with the 2004 and 2006 results.

Well 8-OS:

Reported 2007 concentrations for Chromium, Iron and Manganese concentrations exceed the applicable TOGS 1.1.1 and are consistent with the 2004-2006 results. No VOCs are reported for the 2004-2007 events.

Well 8-I:

Reported 2007 concentrations for Iron, Manganese, and Sodium exceed the applicable TOGS 1.1.1 and are consistent with the 2004-2006 results. One (1) detected VOC reported for Chlorobenzene (0.52 ppb) does not exceed the TOGS 1.1.1 of 5 ppb; this parameter is also reported at non-exceedance levels for the 2004-2006 results. No other VOCs are reported for the 2004-2007 events.

Well 8-R:

Reported 2007 concentrations for Iron, Magnesium, Manganese, and Sodium exceed the applicable TOGS 1.1.1. Two (2) detected VOCs, Chlorobenzene (0.13 ppb) and 1,1-Dichloroethane (0.14 ppb), do not exceed the TOGS 1.1.1 of 5 ppb (each). 1,1-Dichloroethane was reported at a non-exceedance level for 2006 and Chlorobenzene was not detected for the 2004-2006 events.

Well 9-OS:

Reported 2007 concentrations for Chromium and Iron exceed the applicable TOGS 1.1.1, with Chromium reported at one magnitude higher than 2006 (330 ppb vs. 55 ppb). No VOCs are reported for the 2004-2007 events.

Well 9-I:

The reported 2007 concentration for Iron exceeds the applicable TOGS 1.1.1 and is consistent with the 2004-2006 results. Additionally, reported 2007 concentrations for Chromium and Manganese exceed the applicable TOGS 1.1.1 for the 2007 event, with Chromium reported at one magnitude higher than 2006 (150 ppb vs. 36 ppb). No VOCs are reported for the 2004-2007 events.

Well 9-R:

The reported 2007 concentrations for Iron, Manganese and Sodium exceed the applicable TOGS 1.1.1, which are consistent with the 2004–2006 analytical results. No VOCs are reported for the 2004-2007 events, except for Chlorobenzene, which was reported at 0.24 ppb (standard is 5 ppb) in 2006.

Well PW-1:

There are no exceedances of applicable TOGS 1.1.1 for the 2007 monitoring event. No VOCs are reported for the 2004-2007 events.

Well PW-2:

There are no exceedances of applicable TOGS 1.1.1 for the 2007 monitoring event. The reported 2007 concentration for Thallium does not exceed the applicable TOGS 1.1.1, but did for the 2006 monitoring event. No VOCs are reported for the 2004-2007 events.

Well SVWC-93:

The reported 2007 concentration for Sodium exceeds the applicable TOGS 1.1.1, which is consistent with the 2004–2006 analytical results. The reported 2007 concentration for Thallium does not exceed the applicable TOGS 1.1.1, but did for the 2006 monitoring event. No VOCs are reported for the 2004-2007 events.

Well SVWC-94:

The reported 2007 concentration for Sodium exceeds the applicable TOGS 1.1.1, which is consistent with the 2004–2006 analytical results. No VOCs are reported for the 2004-2007 events.

Well SVWC-95:

The reported 2007 concentration for Sodium exceeds the applicable TOGS 1.1.1, which is consistent with the 2004–2006 analytical results. No VOCs are reported for the 2004-2007 events.

Well SVWC-96:

The reported 2007 concentration for Sodium exceeds the applicable TOGS 1.1.1, which is consistent with the 2004–2006 analytical results. No VOCs are reported for the 2004-2007 events

AIR QUALITY MONITORING

Air quality monitoring consisted of surveying explosive gas (Lower Explosive Limit, or LEL), Hydrogen Sulfide (H_2S) and Volatile Organic Compounds (VOCs) of the headspace of each monitoring well, the baler building, leachate Manhole A-5, lift stations A-10 and W-20, and the landfill perimeter. Air sampling locations are shown on Figure 1. LEL and H_2S measurements were obtained with a QRAE Multi gas monitor, and VOC measurements were obtained with a Photovac 2020 photoionization unit. Results are summarized in Table 1.

No detected readings were obtained during the 2007 air monitoring event. Based on the 2007 air monitoring results, the Landfill is in compliance with the requirements of 6 NYCRR 360-2.15(k)(4).

The next sampling event is scheduled to occur in the first quarter of 2009. Please contact me at 518/456-4900 should you have any questions or comments.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

Jessica Sgambati
Environmental Consultant
jessica@sterlingenvironmental.com

JS/bc
Email/First Class Mail
Attachments (Figure 1, Tables 1-3, 3A through 3D, and Laboratory Report)

cc: George Jacob, USEPA
John Olm, NYDOH*
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. *

* letter, figures and tables only.
** letter, figures, tables and partial lab report enclosure.

20010/Reports/2007 Annual Results.doc

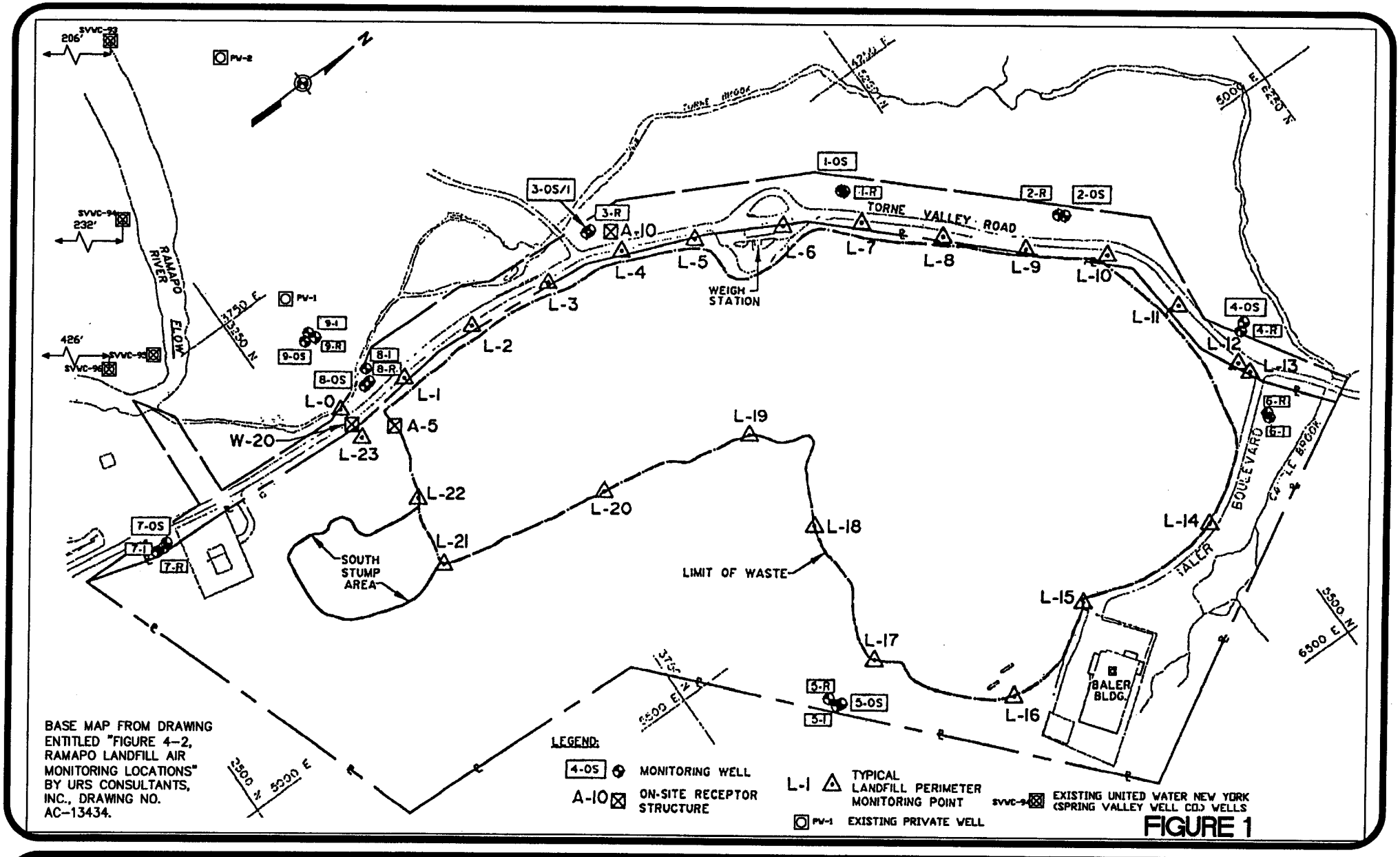


FIGURE 1

STERLING

Sterling Environmental Engineering, P.C.

24 Wade Road • Latham, New York 12110

2007 GROUNDWATER AND AIR QUALITY MONITORING LOCATIONS
TOWN OF RAMAPO
LANDFILL

TOWN OF RAMAPO ROCKLAND CO., N.Y.

PROJ. No.:	E20010	DATE:	9-9-07	SCALE:	1"=400'	DWG. NO.	20010011	FIGURE	1

TABLE 1

TOWN OF RAMAPO LANDFILL
AIR MONITORING RESULTS
OCTOBER 9, 2007

Monitoring Location	LEL Reading (%)	H_2S Reading (ppm)	PID Reading (ppm)
Monitoring Wells:			
1-OS	0	0	0
1-R	0	0	0
2-OS	0	0	0
2-R	0	0	0
3-OS/I	0	0	0
3-R	0	0	0
4-OS	0	0	0
4-R	0	0	0
5-OS	0	0	0
5-I	0	0	0
5-R	0	0	0
6-I	0	0	0
6-R	0	0	0
7-OS	0	0	0
7-I	0	0	0
7-R	0	0	0
8-OS	0	0	0
8-I	0	0	0
8-R	0	0	0
9-OS	0	0	0
9-I	0	0	0
9-R	0	0	0
Baler Building (waist high)	0	0	0
Manhole A-5	0	0	0
Lift Station A-10	0	0	0
Lift Station W-20	0	0	0
Landfill Perimeter (every 100-foot location)	0	0	0

NOTES: LEL = Lower Explosive Limit (for Methane)
H_2S = Hydrogen Sulfide
PID = Photoionization Detector (measures VOCs)
ppm = parts per million

TABLE 2

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING
FIELD PARAMETERS AND WATER LEVELS
October 2007

Well I.D.	Date	Static Water Level [1] (feet)	pH [2] (pH units)	Specific Conductance (ms/cm°)	Temperature (degrees C)	ORP [3] (mV)
1-OS/I	10/10/2007	18.75	6.78	0.752	15.94	-10.8
1-R	10/10/2007	17.66	---	---	---	---
2-I	10/10/2007	20.35	---	---	---	---
2-OS	10/10/2007	18.77	7.07	0.527	14.35	71.7
2-R	10/10/2007	21.45	---	---	---	---
3-OS/I	10/10/2007	13.66	**6.41**	0.739	15.91	92.5
3-R	10/10/2007	14.0	---	---	---	---
4-OS	10/10/2007	8.6	6.72	0.578	15.50	88.9
4-R	10/10/2007	10.72	---	---	---	---
5-OS	10/9/2007	18.89	---	---	---	---
5-I	10/9/2007	31.65	7.93	0.092	11.87	117.8
5-R	10/9/2007	20.57	---	---	---	---
6-I	10/9/2007	20.87	---	---	---	---
6-R	10/9/2007	32.45	---	---	---	---
7-OS	10/10/2007	17.1	6.5	0.286	15.31	104.4
7-I	10/10/2007	16.89	---	---	---	---
7-R	10/10/2007	17.3	---	---	---	---
8-OS	10/9/2007	14.4	**6.27**	0.102	15.38	78.9
8-I	10/9/2007	15.4	6.71	0.761	13.89	-91.9
8-R	10/9/2007	15.0	6.72	1.249	16.25	-27.7
9-OS	10/9/2007	9.05	**5.92**	0.094	18.72	158.6
9-I	10/9/2007	12.8	**6.13**	0.098	14.91	77.9
9-R	10/9/2007	14.0	6.57	0.501	14.1	-85.4
PW-1	10/9/2007	---	**5.96**	0.131	12.81	139.8
PW-2	10/9/2007	---	6.49	0.173	23.57	0.155
SVWC-93	10/9/2007	---	6.74	0.492	19.43	27.8
SVWC-94	10/9/2007	---	6.61	0.485	15.37	74.8
SVWC-95	10/9/2007	---	6.64	0.463	16.77	62.3
SVWC-96	10/9/2007	---	6.67	0.476	17.0	77.8

NOTES: [1] Depth to water surface from top of PVC well riser, prior to purging and sampling.

[2] pH values in **BOLD** indicate an exceedance of the NYSDEC Water Quality Standard for pH: minimum 6.5 pH units, maximum 8.5 pH units (from T.O.G.S. 1.1.1, June 1998).

[3] ORP - Oxidation Reduction Potential

--- Not Measured

TABLE 3

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING
ANALYTICAL RESULTS

Parameter	ARARs [1]	UNITS		WELL 1-OS/I Mar-04	Jun-05 [DUP]	Sep-06	Oct-07	WELL 2-OS Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:											
Alkalinity	—	mg/L			224	210	170	274	222	280	250
Chemical Oxygen Demand	—	mg/L			32.3	78	75	23	14.5	24	33
Total Hardness	—	mg/L	N		230	710	440	326	259	52	320
Total Kjeldhal Nitrogen	—	mg/L			1 UN	0.4 U	1.7	1 U	1 UN	0.4 U	0.32
TAL Metals:			O								
Aluminum	—	ug/L			765	39000	47000	8880	1190	4500	12000
Antimony	3	ug/L	T		0.12 U	3 U	**9.6**	7.1 U	0.12 U	3 U	2.4 J
Arsenic	25	ug/L			8.1 B	**43**	**31**	7.4 B	4 B	2.8 J	6.2
Barium	1000	ug/L			110 B	440	450	91.4 B	51.4 B	50 J	110
Beryllium	3	ug/L			0.4 U	2.2 J	2.6 J	0.5 B	0.4 U	0.44 J	0.66 J
Cadmium	5	ug/L	S		0.8 U	4.3	1 U	0.4 U	0.8 U	1.6	1 U
Calcium	—	ug/L			69400	140000	80000	95900	78200	87000	97000
Chromium	50	ug/L	A		31.4	**2400**	**530**	**87.1**	**101**	**120**	**250**
Cobalt	—	ug/L			9.1 B	63	81	21.7 B	12.4 B	25	47
Copper	200	ug/L	M		25.9	130	140	25.4	15.9 B	15	35
Iron	300	ug/L			**54200 N**	**120000**	**160000**	**14700**	144 N	**12000**	**31000**
Lead	25	ug/L	P		5.8	**94**	**44**	18.3 N	7.6	9.1	22
Magnesium	35000 GV	ug/L			14000	28000	30000	21000	15600	18000	22000
Manganese	300	ug/L	L		**4720**	**2800**	**5100**	**2300**	**778**	**1900**	**3500**
Mercury	0.7	ug/L			0.16 U	0.12	0.11 J	0.2 U	0.16 U	0.2 U	0.037 J
Nickel	100	ug/L	E		9.2 B	**270**	**750**	56.8	52.1	80	**150**
Potassium	—	ug/L			2670 B	11000	14000	4390 B	1870 B	3000 J	4600 J
Selenium	10	ug/L	D		1.6 U	5 U	7.1	2.6 B	6.9 W	5 U	5 U
Silver	50	ug/L			2.7 BN	10 U	10 U	1.9 UN	1.9 BN	10 U	10 U
Sodium	20000	ug/L			**37100 E**	**62000**	**76000**	11000	8680 E	11000	12000
Thallium	0.5 GV	ug/L			**10.4**	**20**	**9.9** J	2.8 U	5.3 B	**16**	10 U
Vanadium	—	ug/L			2 U	120	150	15.9 B	2.3 B	11 J	31 J
Zinc	2000 GV	ug/L			26.2	220	210	50.2	31.8	41	53
VOCs by EPA Method 8260B:											
1,1-Dichloroethane	5	ug/L			1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.1 J
Vinyl Chloride	2	ug/L			1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L			1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L			1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 3-OS/I				WELL 4-OS			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04 [DUP]	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	287	206	280	270	35.6	101	82	130
Chemical Oxygen Demand	—	mg/L	28.5	17.5	31	10 U	10 U	10 U	10 U	28
Total Hardness	—	mg/L	261	255	580	340	176	201	92	230
Total Kjeldhal Nitrogen	—	mg/L	1 U	1.02 N	0.4 U	0.23	1 U	1 U	0.4 U	0.25
TAL Metals:										
Aluminum	—	ug/L	3570	10.4 U	580	520	1370	386	2500	9800
Antimony	3	ug/L	5.8 U	0.12 U	3 U	**8.4**	7.1 U	0.12 U	3 U	1.8 J
Arsenic	25	ug/L	1.9 U	3.1 U	6.9	5 U	2.7 U	3.1 UN	2.8 J	5 U
Barium	1000	ug/L	86 B	122 B	69 J	34 J	47.8 B	32.7 BN	40 J	84 J
Beryllium	3	ug/L	0.3 U	0.4 U	0.23 J	0.1 J	0.4 U	0.4 U	0.43 J	0.6 J
Cadmium	5	ug/L	0.58 B	1.6 B	3.2	1 U	0.4 U	0.8 U	2.2	1 U
Calcium	—	ug/L	82700 E	84300	98000	110000	40300	52400	53000	58000
Chromium	50	ug/L	**816**	**2020**	**7200**	**3400**	9.4 B	**56.7**	**1300**	**270**
Cobalt	—	ug/L	14.9 B	9.3 B	56	17	3.2 U	2 B	14	13
Copper	200	ug/L	13.7 B	51.8	69	27	7.4 B	4.2 B	10	23
Iron	300	ug/L	**12900**	**60500 N**	**77000**	**25000**	**3050**	**1230**	**12000**	**24000**
Lead	25	ug/L	2.2 B	3.1	1.1 J	5 U	7.7 N	1.9 U	1.2 J	4.2 J
Magnesium	35000 GV	ug/L	13200	10700	13000	14000	18500	17100	18000	20000
Manganese	300	ug/L	**7200**	**6450**	**9200**	**4400**	**338**	**700**	**860**	**2700**
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.2 U	0.2 U	0.16 U	0.2 U	0.2 U
Nickel	100	ug/L	**434**	**1460**	**1300**	**730**	7.3 B	87.8	40 J	68
Potassium	—	ug/L	5000 B	4010 B	3900 J	3200 J	2540 B	1390 B	2400 J	4100 J
Selenium	10	ug/L	1.3 US	1.6 U	5 U	5 U	1.9 B	3.9 UN	5 U	5 U
Silver	50	ug/L	4.3 BN	23.3 N	10 U	10 U	1.9 UN	3.8 BN	10 U	10 U
Sodium	20000	ug/L	**22600 E**	**29100 E**	**29000**	**23000**	**54600**	**20300**	**33000**	**24000**
Thallium	0.5 GV	ug/L	3.3 U	**12.7**	**16**	10 U	**5.4 B**	2.9 UN	**24**	10 U
Vanadium	—	ug/L	8.7 B	2 U	21 J	11 J	3.9 B	2 UN	9.8 J	27 J
Zinc	2000 GV	ug/L	13.8 B	35.7	33	6.5 J	11.8 B	22.5	44	36
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.15 J
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
- U The compound was analyzed for, but not detected at the detection limit listed.
- J Indicates an estimated value for tentatively identified compounds.
- B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
- E Indicates an estimated value because of the possible presence of interference.
- W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
- N Spiked sample recovery not within control limits

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.
- E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 5-OS				WELL 5-I			
			Mar-04	Jun-05 [2]	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06 [2]	Oct-07 [2]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	14.6		22	50		41.2		
Chemical Oxygen Demand	—	mg/L	53.5		610	10 U		10 U		
Total Hardness	—	mg/L	198	N	5200	52	N	49.3	N	N
Total Kjeldhal Nitrogen	—	mg/L	1 U		0.4 U	0.2 U		1.25 N		
TAL Metals:				O			O		O	O
Aluminum	—	ug/L	98800		230000	370		247		
Antimony	3	ug/L	7.1 U	T	3 U	3 U	T	0.12 U	T	T
Arsenic	25	ug/L	**30.4**		**33**	5 U		3.1 U		
Barium	1000	ug/L	512		**1200**	7.6 J		8.6 B		
Beryllium	3	ug/L	**4.9 B**		**13**	3 U		0.4 U		
Cadmium	5	ug/L	0.4 U	S	**11**	1 U	S	0.8 U	S	S
Calcium	—	ug/L	26400		84000	12000		12300		
Chromium	50	ug/L	**237**	A	**690**	32	A	5.6 B	A	A
Cobalt	—	ug/L	76.7		210	10 U		1.9 U		
Copper	200	ug/L	183	M	**500**	10 U	M	2.9 B	M	M
Iron	300	ug/L	**150000**		**410000**	**850**		124 N		
Lead	25	ug/L	**34 N**	P	**67**	5 U	P	1.9 U	P	P
Magnesium	35000 GV	ug/L	32100		**80000**	4600		4510 B		
Manganese	300	ug/L	**2040**	L	**5100**	14 J	L	13.6	L	L
Mercury	0.7	ug/L	0.2 U		0.14	0.026 J		0.16 U		
Nickel	100	ug/L	**132**	E	**370**	14 J	E	2.3 U	E	E
Potassium	—	ug/L	19900		38000	760 J		799 B		
Selenium	10	ug/L	1.7 BW	D	5 U	5 U	D	1.6 UW	D	D
Silver	50	ug/L	1.9 UN		8.1 J	10 U		1.1 UN		
Sodium	20000	ug/L	8870		14000	4100		2880 BE		
Thallium	0.5 GV	ug/L	2.8 U		**7.8** J	10 U		5.1 B		
Vanadium	—	ug/L	231		620	4.7 J		3.9 B		
Zinc	2000 GV	ug/L	222		610	8.8 J		5.9 B		
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U		0.5 U	0.5 U		1 U		
Vinyl Chloride	2	ug/L	1 U		1 U	1 U		1 U		
Benzene	1	ug/L	1 U		0.5 U	0.5 U		1 U		
Chlorobenzene	5	ug/L	1 U		0.5 U	0.5 U		1 U		

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

[2] Well 5-I is the alternative sampling location if Well 5-OS has insufficient water volume for sampling.

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.

Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements

[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.

ND Not Detected.

STL Newburgh

U The compound was analyzed for, but not detected at the detection limit listed.

J Indicates an estimated value for tentatively identified compounds.

B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.

E Indicates an estimated value because of the possible presence of interference.

W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.

N Spiked sample recovery not within control limits

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.

E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 7-OS				WELL 8-OS			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	123	123	98	110	71.3	21.4	64	74
Chemical Oxygen Demand	—	mg/L	34.1	10 U	24	10 U	10 U	10 U	10 U	10 U
Total Hardness	—	mg/L	112	169	230	130	120	47.6	130	80
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	0.4 U	0.36	1 U	1 U	0.4 U	0.31
TAL Metals:										
Aluminum	—	ug/L	25000	1520	11000	7900	47.7 B	735	140	89
Antimony	3	ug/L	5.8 U	0.12 U	3 U	3 U	5.8 U	0.13 B	3 U	3 U
Arsenic	25	ug/L	9.8 B	3.1 UN	4.7 J	5 U	1.9 U	3.7 BN	5 U	5 U
Barium	1000	ug/L	201	102 BN	95 J	75 J	19.2 B	56.9 BN	8.9 J	14 J
Beryllium	3	ug/L	0.3 U	0.4 U	0.73 J	0.51 J	0.3 U	0.51 B	0.16 J	3 U
Cadmium	5	ug/L	2.1 B	0.8 UN	1	1 U	0.42 B	0.8 UN	0.92 J	1 U
Calcium	—	ug/L	25800 E	48800	35000	39000	33600 E	14200	17000	24000
Chromium	50	ug/L	**133**	5.7 B	**87**	**96**	10.3	29.6	**140**	**85**
Cobalt	—	ug/L	143	25.7 B	34	110	2.6 B	15.4 B	4.2 J	10 U
Copper	200	ug/L	51.6	5.2 B	28	18	1.7 B	32.1	2 J	10 U
Iron	300	ug/L	**38500**	**1310**	**17000**	**13000**	**1030**	**3150**	**1200**	**780**
Lead	25	ug/L	12.8	2.5 B	6.3	5 U	1.1 U	1.9 U	5 U	5 U
Magnesium	35000 GV	ug/L	11600	11500	9800	10000	8750	2950 B	4200	5100
Manganese	300	ug/L	**2140**	222	**1300**	**920**	**1590**	**691**	110	**2000**
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.049 J	0.2 U	0.16 U	0.2 U	0.2 U
Nickel	100	ug/L	41.8	2.3 U	26 J	26 J	7.9 B	61.9	5.8 J	14 J
Potassium	—	ug/L	7570	4930 B	5600	5700	2330 B	1370 B	1800 J	2000 J
Selenium	10	ug/L	1.9 B	3.9 UN	5 U	5 U	3.2 BW	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	2 BN	10 U	10 U	2.2 UN	3.7 BN	10 U	10 U
Sodium	20000	ug/L	5000 E	9190	7000	7700	17100 E	8400	**28000**	15000
Thallium	0.5 GV	ug/L	3.3 U	2.9 UN	**7.6** J	10 U	3.3 U	2.9 UN	**9.8** J	10 U
Vanadium	—	ug/L	50.5	2.8 BN	21 J	17 J	2.3 U	2.4 BN	50 U	50 U
Zinc	2000 GV	ug/L	77.4	13.4 B	53	24	5.7 B	56.7	20	5.2 J
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh

U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 8-I				WELL 8-R			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	581	564	260	230	533	505	520	490
Chemical Oxygen Demand	—	mg/L	97.8	50.1	41	53	39.6	10 U	14	11
Total Hardness	—	mg/L	382	360	460	190	561	600	460	570
Total Kjeldhal Nitrogen	—	mg/L	35.8	10.2	18 E	14	5.25	1.78	1.6	3
TAL Metals:										
Aluminum	—	ug/L	7040	184 B	8700	10000	18.2 U	10.4 U	1200	66
Antimony	3	ug/L	5.8 U	0.12 U	3 U	3 U	5.8 U	0.12 U	3 U	3 U
Arsenic	25	ug/L	8.9 B	8.6 BN	**26**	15	1.9 U	3.1 UN	3.1 J	5 U
Barium	1000	ug/L	159 B	111 BN	110	110	34.2 B	20.8 BN	29 J	19 J
Beryllium	3	ug/L	0.3 U	0.4 U	0.66 J	0.67 J	0.3 U	0.4 U	0.28 J	3 U
Cadmium	5	ug/L	0.4 U	0.8 UN	1.5	1 U	0.4 U	0.8 UN	1.2	1 U
Calcium	—	ug/L	96800 E	93200	55000	51000	157000 E	169000	170000	160000
Chromium	50	ug/L	19.4	3.3 B	30	41	2 B	2.5 B	42	11
Cobalt	—	ug/L	13.2 B	8.6 B	19	15	14.7 B	13.8 B	26	9.3 J
Copper	200	ug/L	14.2 B	1.2 U	23	29	1.8 B	3 B	84	2.9 J
Iron	300	ug/L	**29700**	**13900**	**43000**	**39000**	**1160**	**751**	**4700**	**1300**
Lead	25	ug/L	3	1.9 U	3.5 J	5 U	1.1 U	3.5	4 J	5 U
Magnesium	35000 GV	ug/L	34100	31000	21000	18000	**41000**	**43000**	**44000**	**39000**
Manganese	300	ug/L	**4650**	**3090**	**1900**	**2200**	**2150**	**2190**	**2200**	**1900**
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.033 J	0.2 U	0.16 U	0.2 U	0.2 U
Nickel	100	ug/L	29.4 B	15.6 B	20 J	24 J	15 B	11.5 B	36 J	15 J
Potassium	—	ug/L	60400	52500	31000	23000	10300	7630	5700	5600
Selenium	10	ug/L	1.3 US	3.9 UN	5 U	5 U	2 B	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	2.2 BN	10 U	10 U	2.2 UN	4.3 BN	10 U	10 U
Sodium	20000	ug/L	**110000 E**	**124000**	**73000**	**55000**	**47300 E**	**42200**	**46000**	**48000**
Thallium	0.5 GV	ug/L	3.3 U	**4.6 BN**	**12**	10 U	3.3 U	**4.6 BN**	**9.4 J**	10 U
Vanadium	—	ug/L	16.1 B	2 UN	24 J	26 J	2.3 U	2 UN	4.1 J	50 U
Zinc	2000 GV	ug/L	33.1	5.4 B	55	35	3.9 U	8.6 B	31	10 U
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.24	0.14 J
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	1 U	1.7	1 U	1 U	1 U
Benzene	1	ug/L	0.6 J	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	2.3	1.6	0.67	0.52	1 U	1 U	0.5 U	0.13 J

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 9-OS				WELL 9-I			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	8.76	15.5	20	14	9.85	10.8	18	18
Chemical Oxygen Demand	—	mg/L	10 U	47.2	54	120	10 U	10 U	54	10 U
Total Hardness	—	mg/L	18.3	25.8	60	32	19.1	31.3	76	32
Total Kjeldhal Nitrogen	—	mg/L	1 U	1.05	0.4 U	3.2	1 U	1 U	0.4 U	0.2 U
TAL Metals:										
Aluminum	—	ug/L	311	291	1000	4000	965	173 B	12000	21000
Antimony	3	ug/L	5.8 U	0.15 B	3 U	2 J	5.8 U	0.12 U	3 U	3 U
Arsenic	25	ug/L	1.9 U	3.1 UN	5 U	4.2 J	1.9 U	3.1 UN	4.5 J	4.4 J
Barium	1000	ug/L	7.7 B	11.7 BN	17 J	33 J	15.9 B	9.2 BN	110	180
Beryllium	3	ug/L	0.3 U	0.4 U	0.14 J	0.34 J	0.3 U	0.4 U	0.77 J	1.2 J
Cadmium	5	ug/L	0.4 U	0.8 UN	0.67 J	1 U	0.4 U	0.8 UN	0.73 J	1 U
Calcium	—	ug/L	4980 BE	7100	7600	8100	5110 E	8840	8100	12000
Chromium	50	ug/L	10.4	2.4 B	**55**	**330**	2.8 B	1.4 B	36	**150**
Cobalt	—	ug/L	2.5 U	1.9 U	2.2 J	10 U	2.5 U	1.9 U	14	27
Copper	200	ug/L	1.6 U	1.2 U	3.6 J	14	2.8 B	1.2 U	27	44
Iron	300	ug/L	**506**	**453**	**1600**	**6300**	**1630**	**318**	**24000**	**41000**
Lead	25	ug/L	1.1 U	1.9 U	1 J	6.1	1.1 U	1.9 U	3.5 J	4.8 J
Magnesium	35000 GV	ug/L	1420 B	1950 B	2000	2500	1530 B	2230 B	5100	7900
Manganese	300	ug/L	4.4 B	27.7	51	140	19	11.6	290	**560**
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.049 J	0.2 U	0.16 U	0.2 U	0.078 J
Nickel	100	ug/L	1.7 U	2.3 U	6.7 J	34 J	1.7 U	2.3 U	18 J	31 J
Potassium	—	ug/L	896 B	3320 B	5100	1700 J	916 B	608 B	3900 J	6200
Selenium	10	ug/L	2 B	3.9 UN	5 U	5 U	1.9 B	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	1.1 UN	10 U	10 U	2.2 UN	1.1 UN	10 U	10 U
Sodium	20000	ug/L	3220 BE	4160 B	5.3	7200	3690 BE	5530	9400	9800
Thallium	0.5 GV	ug/L	3.3 U	2.9 UN	10 U	10 U	3.3 U	2.9 UN	10 U	10 U
Vanadium	—	ug/L	2.3 U	2 UN	2.7 J	8.6 J	2.3 U	2 UN	25 J	43 J
Zinc	2000 GV	ug/L	3.9 U	9.3 B	36	13	7.5 B	5.6 B	65	56
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 9-R			
			Mar-04	Jun-05	Sep-06 [DUP]	Oct-07 [DUP]
Leachate Indicator Parameters:						
Alkalinity	—	mg/L	91.6	5 U	110	130
Chemical Oxygen Demand	—	mg/L	11.9	10 U	10 U	10 U
Total Hardness	—	mg/L	67	102	120	120
Total Kjeldhal Nitrogen	—	mg/L	4.87	6.78	4.9	5.9
TAL Metals:						
Aluminum	—	ug/L	286	26.5 B	73	140
Antimony	3	ug/L	5.8 U	0.12 U	3 U	3 U
Arsenic	25	ug/L	3.4 B	3.1 UN	5.9	6.1
Barium	1000	ug/L	19.1 B	23.3 BN	21 J	24 J
Beryllium	3	ug/L	0.3 U	0.4 U	1 U	0.1 J
Cadmium	5	ug/L	0.9 B	0.8 UN	0.53 J	1 U
Calcium	—	ug/L	17200 E	26700	27000	31000
Chromium	50	ug/L	2.6 B	1.9 B	4.1 J	4.3 J
Cobalt	—	ug/L	2.6 B	2.8 B	3.7 J	10 U
Copper	200	ug/L	2.2 B	1.2 U	10 U	10 U
Iron	300	ug/L	**4890**	**6430**	**7000**	**8500**
Lead	25	ug/L	1.1 U	1.9 U	5 U	5 U
Magnesium	35000 GV	ug/L	5850	8520	8300	9300
Manganese	300	ug/L	**1980**	**2730**	**2800**	**2900**
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.2 U
Nickel	100	ug/L	1.7 U	2.3 U	1.8 J	3.2 J
Potassium	—	ug/L	9850	10100	11000	11000
Selenium	10	ug/L	2.7 BW	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	1.4 BN	10 U	10 U
Sodium	20000	ug/L	14600 E	**22500**	**28000**	**35000**
Thallium	0.5 GV	ug/L	3.3 U	2.9 UN	10 U	10 U
Vanadium	—	ug/L	2.3 U	2 UN	50 U	50 U
Zinc	2000 GV	ug/L	4.1 B	3.2 B	28	10 U
VOCs by EPA Method 8260B:						
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U
Vinyl Chloride	2	ug/L	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.24	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 e were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements.
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh

U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detect Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnace AA analysis is out of control limits (85-110%), while sample absorance is le than 50% of spike absorbance.
N Spiked sample recovery not within control limits.

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.
E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL PW-1				WELL PW-2			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	13.5	13.5	24	20	69.6	37.9	58	50
Chemical Oxygen Demand	—	mg/L	10 U	10 U	10 U	55	11.9	10 U	10 U	10 U
Total Hardness	—	mg/L	32.6	66.7	48	32	99.6	56.6	92	64
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	0.49 U	0.2 U	1 U	1 U	0.4 U	0.2 U
TAL Metals:										
Aluminum	—	ug/L	18.2 U	10.4 U	76	50 U	18.2 U	10.4 U	67	50 U
Antimony	3	ug/L	5.8 U	0.12 U	3 U	3 U	5.8 U	0.12 U	3 U	3 U
Arsenic	25	ug/L	5.6 B	3.1 UN	5 U	5 U	1.9 U	3.1 UN	5 U	5 U
Barium	1000	ug/L	7.1 B	11.2 BN	7.2 J	5.5 J	3.1 B	7.1 UN	2.6 J	2.4 J
Beryllium	3	ug/L	0.38 B	0.4 U	3 U	3 U	0.3 U	0.4 U	0.12 J	3 U
Cadmium	5	ug/L	0.88 B	0.8 UN	0.53 J	1 U	0.4 U	0.8 UN	0.62 J	1 U
Calcium	—	ug/L	8650 E	18400	10000	8200	32900 E	18800	28000	21000
Chromium	50	ug/L	1.3 B	0.9 U	2.7 J	10 U	1.5 B	0.9 U	2.8 J	10 U
Cobalt	—	ug/L	2.5 U	1.9 U	2.1 J	10 U	2.5 U	1.9 U	2.4 J	10 U
Copper	200	ug/L	59.5	83.4	69	60	17.4 B	197	50	200
Iron	300 [2]	ug/L	20 B	18.6 B	15 J	17 J	27.5 B	115	34 J	130
Lead	25	ug/L	4.9	1.9 U	5 U	5 U	1.1 U	1.9 U	2.1 J	5 U
Magnesium	35000 GV	ug/L	2680 B	5070	2700	2300	4230 B	2320 B	3200	2400
Manganese	300 [2]	ug/L	0.9 U	2.1 U	0.75 J	50 U	0.9 U	2.1 U	1.4 J	5.6 J
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.047 J	0.2 U	0.16 U	0.2 U	0.2 U
Nickel	100	ug/L	1.7 U	2.3 U	50	50 U	1.7 U	2.3 U	50 U	7 J
Potassium	—	ug/L	1030 B	1260 B	1200 J	910 J	1310 B	871 B	1100 J	880 J
Selenium	10	ug/L	2.5 B	3.9 UN	3 J	5 U	2 B	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	1.1 UN	10 U	10 U	2.2 UN	1.7 BN	10 U	10 U
Sodium	20000	ug/L	5410 E	11500	14000	12000	7730 E	5400	7400	6100
Thallium	0.5 GV	ug/L	3.3 U	2.9 UN	10 U	10 U	3.3 U	2.9 UN	**8.8** J	10 U
Vanadium	—	ug/L	2.3 U	2 UN	50 U	50 U	2.3 U	2 UN	50 U	50 U
Zinc	2000 GV	ug/L	25.8	13.6 B	46	24	32.3	44.1	41	140
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	SVWC-93				SVWC-94			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	33	39.1	46	58	44	41.9	44	52
Chemical Oxygen Demand	—	mg/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Total Hardness	—	mg/L	78.3	84.1	76	88	88.7	88.2	72	92
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	0.4 U	0.2 U	1 U	1 U	0.4 U	0.2 U
TAL Metals:										
Aluminum	—	ug/L	18.2 U	10.4 U	63	50 U	18.2 U	10.4 U	56	50 U
Antimony	3	ug/L	5.8 U	0.14 B	3 U	3 U	5.8 U	0.12 U	3 U	3 U
Arsenic	25	ug/L	1.9 U	4.2 BN	1.2 J	5 U	2.9 B	3.1 UN	5 U	5 U
Barium	1000	ug/L	10.3 B	9.7 BN	9.6 J	11 J	17.6 B	13.6 BN	13 J	14 J
Beryllium	3	ug/L	0.3 U	0.4 U	0.14 J	3 U	0.3 U	0.4 U	3 U	3 U
Cadmium	5	ug/L	0.4 U	0.8 UN	0.59 J	1 U	0.52 B	0.8 UN	1 U	1 U
Calcium	—	ug/L	21600 E	23500	21000	25000	24400 E	24600	21000	23000
Chromium	50	ug/L	1.4 B	0.9 U	3.2 J	10 U	1.9 B	0.93 B	2 J	10 U
Cobalt	—	ug/L	2.5 U	1.9 U	2.2 J	10 U	2.5 U	1.9 U	10 U	10 U
Copper	200	ug/L	10.6 B	3.9 B	7.6 J	8 J	9.8 B	5.4 B	7 J	12
Iron	300 [2]	ug/L	203	14.4 B	21 J	46 J	30.3 B	7.7 U	50 U	12 J
Lead	25	ug/L	1.1 U	2 B	5 U	5 U	1.1 U	1.9 U	5 U	5 U
Magnesium	35000 GV	ug/L	5900	6170	5200	6100	6760	6520	5300	5900
Manganese	300 [2]	ug/L	0.9 U	2.1 U	0.62 J	50 U	3.3 B	6.5 B	3.2 J	3.8 J
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.027 J	0.2 U	0.16 U	0.2 U	0.2 U
Nickel	100	ug/L	42.7	2.3 U	50 U	5.5 J	1.7 U	2.3 U	50 U	50 U
Potassium	—	ug/L	2090 B	2240 B	2000 J	2000 J	1990 B	1950 B	1700 J	1600 J
Selenium	10	ug/L	3.1 BW	6.8 N	5 U	5 U	2.3 B	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	1.5 BN	10 U	10 U	2.2 UN	1.1 UN	10 U	10 U
Sodium	20000	ug/L	**33800 E**	**44100**	**52000**	**60000**	**35600 E**	**42300**	**47000**	**52000**
Thallium	0.5 GV	ug/L	3.3 U	2.9 UN	**7.6 J**	10 U	3.3 U	2.9 UN	10 U	10 U
Vanadium	—	ug/L	2.3 U	2 UN	50 U	50 U	2.3 U	2 UN	50 U	50 U
Zinc	2000 GV	ug/L	15.5 B	5.1 B	36	13	9 B	3.8 B	36	10
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TABLE 3 (Continued)

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING RESULTS
ANALYTICAL RESULTS

	ARARs [1]	UNITS	SVWC-95				SVWC-96			
			Mar-04	Jun-05	Sep-06	Oct-07	Mar-04	Jun-05	Sep-06	Oct-07
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	40	53.5	54	62	36.5	47.6	44	50
Chemical Oxygen Demand	—	mg/L	10 U	10 U	0.1 U	10 U	10 U	10 U	0.1 U	10 U
Total Hardness	—	mg/L	72.5	80.6	84	100	63.2	83.2	76	80
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	0.4 U	0.2 U	1 U	1 U	0.4 U	0.2 U
TAL Metals:										
Aluminum	—	ug/L	18.2 U	10.4 U	37	50 U	18.2 U	10.4 U	14 J	50 U
Antimony	3	ug/L	5.8 U	0.12 U	3 U	3 U	5.8 U	0.12 U	3 U	3 U
Arsenic	25	ug/L	1.9 U	3.1 UN	2 J	5 U	1.9 U	3.1 UN	1.3 J	5 U
Barium	1000	ug/L	12.5 B	13.7 BN	10 J	16 J	9.6 B	10 BN	7.2 J	9.4 J
Beryllium	3	ug/L	0.3 U	0.4 U	3 U	3 U	0.3 U	0.4 U	3 U	3 U
Cadmium	5	ug/L	0.4 U	0.8 UN	1 U	1 U	0.4 U	0.8 UN	1 U	1 U
Calcium	—	ug/L	19500 E	22300	20000	25000	16900 E	22400	18000	22000
Chromium	50	ug/L	1.5 B	0.9 U	10 U	10 U	1.2 B	0.94 B	10 U	10 U
Cobalt	—	ug/L	2.5 U	1.9 U	10 U	10 U	2.5 U	1.9 U	10 U	10 U
Copper	200	ug/L	5.6 B	3 B	6.1 J	4.4 J	5.4 B	3.9 B	6.8 J	4.3 J
Iron	300 [2]	ug/L	157	17.2 B	260	76	16.8 U	7.7 U	50 U	50 U
Lead	25	ug/L	1.1 U	1.9 U	5 U	5 U	1.1 U	1.9 U	5 U	5 U
Magnesium	35000 GV	ug/L	5790	6030	5100	6500	5230	6250	4900	5800
Manganese	300 [2]	ug/L	88	86	25 J	96	0.9 U	2.1 U	50 U	50 U
Mercury	0.7	ug/L	0.2 U	0.16 U	0.2 U	0.057 J	0.2 U	0.16 U	0.2 U	0.036 J
Nickel	100	ug/L	1.9 B	2.3 U	1.4 J	1.2 J	1.7 U	2.3 U	50 U	50 U
Potassium	—	ug/L	1760 B	2320 B	1700 J	2200 J	1530 B	2120 B	1300 J	1600 J
Selenium	10	ug/L	2.4 B	3.9 UN	5 U	5 U	2.2 B	3.9 UN	5 U	5 U
Silver	50	ug/L	2.2 UN	1.1 UN	1.5 J	10 U	2.2 UN	1.1 UN	10 U	10 U
Sodium	20000	ug/L	**27700 E**	**41700**	**36000**	**53000**	**30100 E**	**47400**	**47000**	**56000**
Thallium	0.5 GV	ug/L	3.3 U	2.9 UN	10 U	10 U	3.3 U	2.9 UN	10 U	10 U
Vanadium	—	ug/L	2.3 U	2 UN	50 U	50 U	2.3 U	2 UN	50 U	50 U
Zinc	2000 GV	ug/L	6.5 B	9.3 B	25	8.2 J	6.9 B	6 B	24	8.8 J
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	1	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U
Chlorobenzene	5	ug/L	1 U	1 U	0.5 U	0.5 U	1 U	1 U	0.5 U	0.5 U

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).

All samples were analyzed for NYCRR Part 360 Baseline Parameters and Site Specific Parameters.
Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 samples. Samples from the 2004 and 2005 events were analyzed by STL Newburgh.

Values in **BOLD** indicate an exceedance of applicable water quality standards or guidance values.

ARARs Applicable or Relevant and Appropriate Requirements
[DUP] Duplicate sample obtained at this location. The highest value given for the sample or the duplicate is reported.

NA Not Analyzed.
ND Not Detected.

STL Newburgh
U The compound was analyzed for, but not detected at the detection limit listed.
J Indicates an estimated value for tentatively identified compounds.
B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
E Indicates an estimated value because of the possible presence of interference.
W Indicates post digestion spike for furnance AA analysis is out of control limits (85-110%), while sample absorbance is less than 50% of spike absorbance.
N Spiked sample recovery not within control limits

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.
E Value exceeds the instrument calibration range.

TABLE 3A

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING
COMPOUND: BENZENE

Sample ID	Sample Date									
	Oct-03		Mar-04		Jun-05		Sep-06		Oct-07	
1-OS/I	NA		NA		1.0	U	0.5	U	0.5	U
2-OS	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
3-OS/I	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
4-OS	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
5-OS	NA		1.0	U	NA		0.5	U	0.5	U
5-I	1.0	U	NA		1.0	U	NA		NA	
7-OS	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
8-OS	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
8-I	1.0	U	0.6 J		1.0	U	0.5	U	0.5	U
8-R	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
9-OS	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
9-I	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
9-R	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
PW-1	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
PW-2	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
SVWC-93	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
SVWC-94	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
SVWC-95	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U
SVWC-96	1.0	U	1.0	U	1.0	U	0.5	U	0.5	U

NOTES:

Concentrations reported in ug/L (ppb).
NA = Not Analyzed
Values in **BOLD** indicate an exceedance of groundwater quality standard for Benzene, 1.0 mg/L.

Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 events. STL Newburgh conducted analyses for the 2003-2005 events.

Life Science Laboratories
U = Analyte not detected at listed detection limit.

STL Newburgh
J = Indicates an estimated value for Tentatively Identified Compounds

TABLE 3B

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING
COMPOUND: CHROMIUM

Sample ID	Sample Date									
	Oct-03		Mar-04		Jun-05		Sep-06		Oct-07	
1-OS/I	NA		NA		31.4		**2,400**		**530**	
2-OS	**52.9**		**87.1**		**101**		**120**		**250**	
3-OS/I	**2,810**		**816**		**2,020**		**7,200**		**3,400**	
4-OS	5		9.4	B	**56.7**		**1,300**		**270**	
5-OS	NA		**237**		NA		**690**		32	
5-I	29.8		NA		5.6	B	NA		NA	
7-OS	2.4		**133**		5.7	B	**87**		96	
8-OS	2.2		10.3		29.6		**140**		85	
8-I	1.4		19.4		3.3	B	30		41	
8-R	10	U	2	B	2.5	B	42		11	
9-OS	5		10.4		2.4	B	**55**		330	
9-I	2		2.8	B	1.4	B	36		150	
9-R	1.1		2.6	B	1.9	B	4.1	J	4.3	J
PW-1	0.73		1.3	B	10	U	2.7	J	10	U
PW-2	1.9		1.5	B	10	U	2.8	J	10	U
SVWC-93	1.3		1.4	B	10	U	3.2	J	10	U
SVWC-94	0.75		1.9	B	0.93	B	2	J	10	U
SVWC-95	10	U	1.5	B	10	U	10	U	10	U
SVWC-96	10	U	1.2	B	0.94	B	10	U	10	U

NOTES:

Concentrations reported in ug/L (ppb).
NA = Not Analyzed
Values in **BOLD** indicate an exceedance of groundwater quality standard for Chromium, 50 mg/L.

Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 events. STL Newburgh conducted analyses for the 2003-2005 events.

Life Science Laboratories
J = Analyte detected below the Practical Quantitation Limit (PQL)
U = Analyte not detected at listed detection limit.

STL Newburgh
B = The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.

TABLE 3C

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER MONITORING
COMPOUND: IRON

Sample ID	Sample Date									
	Oct-03		Mar-04		Jun-05		Sep-06		Oct-07	
1-OS/I	NA		NA		**54,200**	N	**120,000**		**160,000**	
2-OS	**14,700**		**14,700**		**144**	N	**12,000**		**31,000**	
3-OS/I	**39,000**		**12,900**		**60,500**	N	**77,000**		**25,000**	
4-OS	**2,470**		**3,050**		**3,050**		**12,000**		**24,000**	
5-OS	NA		**150,000**		NA		**410,000**		**850**	
5-I	**21,800**		NA		**124**		NA		NA	
7-OS	**633**		**38,500**		**1,310**		**17,000**		**13,000**	
8-OS	**705**		**1,030**		**3,150**		**1,200**		**780**	
8-I	**8,310**		**29,700**		**13,900**		**43,000**		**39,000**	
8-R	**1,090**		**1,160**		**751**		**4,700**		**1,300**	
9-OS	**656**		**506**		**453**		**1,600**		**6,300**	
9-I	**514**		**1,630**		**318**		**24,000**		**41,000**	
9-R	**4,660**		**4,890**		**6,430**		**7,000**		**8,500**	
PW-1	50	U	20	B	18.6	B	15	J	17	J
PW-2	50	U	27.5	B	115		34	J	130	
SVWC-93	50	U	203		14.4	B	21	J	46	J
SVWC-94	50	U	30.3	B	7.7	U	50	U	12	J
SVWC-95	50	U	157		17.2	B	260		76	
SVWC-96	50	U	16.8	U	7.7	U	50	U	50	U

NOTES:

Concentrations reported in ug/L (ppb).
NA = Not Analyzed
Values in **BOLD** indicate an exceedance of groundwater quality standard for Iron, 300 mg/L.

Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 events. STL Newburgh conducted analyses for the 2003-2005 events.

Life Science Laboratories
J = Analyte detected below the Practical Quantitation Limit (PQL)
U = Analyte not detected at listed detection limit.

STL Newburgh
B = The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.

TABLE 3D

TOWN OF RAMAPO LANDFILL
POST-CLOSURE GROUNDWATER QUALITY MONITORING
COMPOUND: MANGANESE

Sample ID	Sample Date									
	Oct-03		Mar-04		Jun-05		Sep-06		Oct-07	
1-OS/I	NA		NA		**4,720**		**2,800**		**5,100**	
2-OS	**1,310**		**2,300**		**778**		**1,900**		**3,500**	
3-OS/I	**14,200**		**7,200**		**6,450**		**9,200**		**4,400**	
4-OS	**690**		**338**		**700**		**860**		**2,700**	
5-OS	NA		**2,040**		NA		**5,100**		14	J
5-I	**577**		NA		13.6		NA		NA	
7-OS	76.4		**2,140**		222		**1,300**		**920**	
8-OS	235		**1,590**		**691**		110		**2,000**	
8-I	**2,590**		**4,650**		**3,090**		**1,900**		**2,200**	
8-R	**2,040**		**2,150**		**2,190**		**2,200**		**1,900**	
9-OS	15.5		4.4	B	27.7		51		140	
9-I	15.1		19		11.6		290		**560**	
9-R	**2,090**		**1,980**		**2,730**		**2,800**		**2,900**	
PW-1	0.69		0.9	U	2.1	U	0.75	J	50	U
PW-2	1.6		0.9	U	2.1	U	1.4	J	5.6	J
SVWC-93	0.65		0.9	U	2.1	U	0.62	J	50	U
SVWC-94	4.3		3.3	B	6.5	B	3.2	J	3.8	J
SVWC-95	84.6		88		86		25	J	96	
SVWC-96	0.9	U	0.9	U	2.1	U	50	U	50	U

NOTES:

Concentrations reported in ug/L (ppb).
NA = Not Analyzed
Values in **BOLD** indicate an exceedance of groundwater quality standard for Manganese, 300 mg/L.

Life Science Laboratories, Inc. conducted analyses for the 2006 and 2007 events. STL Newburgh conducted analyses for the 2003-2005 events.

Life Science Laboratories
J = Analyte detected below the Practical Quantitation Limit (PQL)
U = Analyte not detected at listed detection limit.

STL Newburgh
B = The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 **(315) 437-0200**

Wednesday, October 31, 2007

Jessica Sgambati
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, NY 12110

TEL: 518 456-4900

Project: RAMAPO
RE: Analytical Results Order No.: 0710067, 0710076

Dear Jessica Sgambati:

Life Science Laboratories, Inc. received samples on 10/10/2007-10/11/2007 for the analyses presented in the following report.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

CC:
Jessica Sgambati

Laboratory Report

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
SVWC-93	0710067-001	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
SVWC-94	0710067-002	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
SVWC-95	0710067-003	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
SVWC-96	0710067-004	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
S-05	0710067-005	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
9-I	0710067-006	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
PW-1	0710067-007	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
PW-2	0710067-008	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
9-05	0710067-009	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
9-R	0710067-010	DUP						EPA 310.1 130.2
9-R	0710067-010	MS	SW8260B				SW6010B SW7470A	EPA 351.2 410.4
9-R	0710067-010	MSD	SW8260B				SW6010B SW7470A	EPA 351.2 410.4
9-R	0710067-010	SAMP	SW8260B				SW6010B SW7470A	EPA 351.2 410.4 310.1 130.2
DUP-10/07	0710067-011	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
Trip Blank	0710067-012	SAMP	SW8260B					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
7-0S	0710076-001	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
8-I	0710076-002	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
8-R	0710076-003	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
8-OS	0710076-004	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
3-05/I	0710076-005	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
1-OS/I	0710076-006	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
2-OS	0710076-007	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2
4-OS	0710076-008	SAMP	SW8260B					EPA 351.2 410.4 310.1 130.2

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEANUP	DIL/CONC FACTOR
0710076-001D	Groundwater	SW8260B	NONE	NONE	1X
0710076-002D	Groundwater	SW8260B	NONE	NONE	1X
0710076-003D	Groundwater	SW8260B	NONE	NONE	1X
0710076-004D	Groundwater	SW8260B	NONE	NONE	1X
0710076-005D	Groundwater	SW8260B	NONE	NONE	1X
0710076-006D	Groundwater	SW8260B	NONE	NONE	1X
0710076-007D	Groundwater	SW8260B	NONE	NONE	1X
0710076-008D	Groundwater	SW8260B	NONE	NONE	1X

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
0710076-001D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-002D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-003D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-004D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-005D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-006D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-007D	Groundwater	10/10/07	10/11/07		10/16/07
0710076-008D	Groundwater	10/10/07	10/11/07		10/16/07

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IIb

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D AT LAB	DATE EXTRACTED	DATE ANALYZED
0710067-001D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-002D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-003D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-004D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-005D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-006D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-007D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-008D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-009D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-010D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-010DMS	Groundwater	10/09/07	10/10/07		10/15/07
0710067-010DMSD	Groundwater	10/09/07	10/10/07		10/15/07
0710067-011D	Groundwater	10/09/07	10/10/07		10/15/07
0710067-012A	Water Q	10/09/07	10/10/07		10/15/07

SW8260B

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-III

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE ANALYSES

LABORATORY SAMPLE ID	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEANUP	DIL/CONC FACTOR
0710067-001D	Groundwater	SW8260B	NONE	NONE	1X
0710067-002D	Groundwater	SW8260B	NONE	NONE	1X
0710067-003D	Groundwater	SW8260B	NONE	NONE	1X
0710067-004D	Groundwater	SW8260B	NONE	NONE	1X
0710067-005D	Groundwater	SW8260B	NONE	NONE	1X
0710067-006D	Groundwater	SW8260B	NONE	NONE	1X
0710067-007D	Groundwater	SW8260B	NONE	NONE	1X
0710067-008D	Groundwater	SW8260B	NONE	NONE	1X
0710067-009D	Groundwater	SW8260B	NONE	NONE	1X
0710067-010D	Groundwater	SW8260B	NONE	NONE	1X
0710067-010DMS	Groundwater	SW8260B	NONE	NONE	1X
0710067-010DMSD	Groundwater	SW8260B	NONE	NONE	1X
0710067-011D	Groundwater	SW8260B	NONE	NONE	1X
0710067-012A	Water Q	SW8260B	NONE	NONE	1X

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0710067-001C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-002C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-003C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-004C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-005C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-006C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-007C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-008C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-009C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-010C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-010CMS	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-010CMSD	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007
0710067-011C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/10/2007	10/15/2007	10/16/2007

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0710076-001C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-002C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-003C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-004C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-005C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-006C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-007C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007
0710076-008C	Groundwater	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn	10/11/2007	10/15/2007	10/16/2007

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0710067-001C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-002C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-003C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-004C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-005C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-006C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-007C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-008C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-009C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-010C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-010CMS	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-010CMSD	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007
0710067-011C	Groundwater	Hg	10/10/2007	10/18/2007	10/19/2007

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0710076-001C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-002C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-003C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-004C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-005C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-006C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-007C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007
0710076-008C	Groundwater	Hg	10/11/2007	10/18/2007	10/19/2007

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from Sterling Environmental Engineering, P.C. New York State Department of Environmental Conservation forms are included in the Sample Data Summary Package and in the Sample Data Package.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

The cooler(s) were received intact. When the cooler(s) were received by the laboratory, the sample custodian(s) opened and inspected the shipment(s) for damage, custody inconsistencies, and proper preservation. Chain of custodies documenting receipt are presented in the chain of custody section. Each sample was assigned a unique laboratory number and a custody file created. The samples were placed in a secured walk-in cooler and signed in and out by the chemists performing the tests. The sign out record, or lab chronicle, is presented in the chain of custody section.

Discrepancies noted upon receipt are documented on the Sample Receipt Checklist included in the chain of custody section. The temperatures of the iced coolers were 7.2°C, and 7.4°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
GC/MS Volatile Organics	8260B	1
ICP Metals	6010B	1
Mercury	SW7470A	1
Chemical Oxygen Demand	EPA410.4	1
Kjeldahl Nitrogen	EPA351.2	1
Alkalinity	EPA310.1	1
Hardness	EPA130.2	1

1) New York State Department of Environmental Conservation Analytical Services Protocol, 2000.

QUALITY CONTROL

QA/QC results are summarized in the Sample Data Summary Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Category A order of data.

Total # of pages in this report: _____

GC/MS Volatile Organics Case Narrative

Client:	STERLING
Project/Order:	Ramapo
Work Order #:	0710076
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): C 10/25/07

Supervisor/Reviewed by (Initials/Date): Se for MV 10/26/07

QA/QC Review (Initials/Date): SK 10/26/07

File Name: G:\Narratives\MSVoa\0710076msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column and a Vocarb 3000 trap.

There were no excursions to note. All QC results were within established control limits.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Aqueous samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

GC/MS Volatile Organics Case Narrative

Client:	STERLING
Project/Order:	Ramapo
Work Order #:	0710067
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): 10/25/07

Supervisor/Reviewed by (Initials/Date): YL for MY 10/26/07

QA/QC Review (Initials/Date): YL 10/26/07

File Name: G:\Narratives\MSVoa\0710067msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-502.2, 105 m x 0.53 mm ID capillary column and a Vocarb 3000 trap.

There were no excursions to note. All QC results were within established control limits.

Holding Times and Sample Preservation
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements. Aqueous samples had a pH of < 2.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD
All spike recovery and RPD data met method and/or project specific QC criteria.

Surrogate Standards
All surrogate standard recoveries met method and/or project specific QC criteria.

Internal Standards
All internal standard areas met method and/or project specific QC criteria.

Calibrations
All initial calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Trace Metals Case Narrative

Client ID:	STERLING
Project/Order:	Ramapo
Work Order #:	0710067,0710076
Methodology:	ICP metals – SW 6010B Mercury – SW 7470A

Analyzed/Reviewed by (Date/Initials): 10/24/07 CT

Supervisor/Reviewed by (Date/Initials): 10/24/07 MT

QA/QC Review (Date/Initials): 10/26/07 JL

Trace Metals

Holding Times
All samples were prepared and analyzed within the method and/or QAPP specified holding time requirements.

Laboratory Control Sample
All spike recoveries met method and/or project specific QC criteria.

MS/MSD AND MS/MSD RPD
The following analytes did not meet matrix spike/matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
9-R	0710067-010C	Na	X		1
		Fe,Mn	X		2

1. A post-digestion spike was performed as required. No further corrective action was taken.

2. The concentration of the analyte in the sample was much greater than the concentration of the spike added. A post-digestion spike was performed as required. No further corrective action was taken.

Calibrations
All calibrations and calibration verifications met method and/or project specific QC criteria.

Preparation Blanks
All preparation blanks met method and/or project specific QC criteria.

Wet Chemistry Case Narrative

Client ID:	Sterling
Project/Order:	Ramapo
Work Order #:	0710067, 0710076
Methodology:	Chemical Oxygen Demand – EPA 410.4 Kjeldahl Nitrogen – Total (as N) – EPA 351.2 Alkalinity, Total (as CaCO3) – EPA 310.1 Hardness – EPA 130.2

Analyzed/Reviewed by (Date/Initials): 10-24-07 MT

Supervisor/Reviewed by (Date/Initials): 10-24-07 MT

QA/QC Review (Date/Initials): 10/26/07 JL

Wet Chemistry

There were no excursions to note. All QC results were within established control limits.

Life Science Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
Lab Order: 0710067

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710067-001A	SVWC-93		10/9/2007	10/10/2007
0710067-001B	SVWC-93		10/9/2007	10/10/2007
0710067-001C	SVWC-93		10/9/2007	10/10/2007
0710067-001D	SVWC-93		10/9/2007	10/10/2007
0710067-002A	SVWC-94		10/9/2007	10/10/2007
0710067-002B	SVWC-94		10/9/2007	10/10/2007
0710067-002C	SVWC-94		10/9/2007	10/10/2007
0710067-002D	SVWC-94		10/9/2007	10/10/2007
0710067-003A	SVWC-95		10/9/2007	10/10/2007
0710067-003B	SVWC-95		10/9/2007	10/10/2007
0710067-003C	SVWC-95		10/9/2007	10/10/2007
0710067-003D	SVWC-95		10/9/2007	10/10/2007
0710067-004A	SVWC-96		10/9/2007	10/10/2007
0710067-004B	SVWC-96		10/9/2007	10/10/2007
0710067-004C	SVWC-96		10/9/2007	10/10/2007
0710067-004D	SVWC-96		10/9/2007	10/10/2007
0710067-005A	S-05		10/9/2007	10/10/2007
0710067-005B	S-05		10/9/2007	10/10/2007
0710067-005C	S-05		10/9/2007	10/10/2007
0710067-005D	S-05		10/9/2007	10/10/2007
0710067-006A	9-I		10/9/2007	10/10/2007
0710067-006B	9-I		10/9/2007	10/10/2007
0710067-006C	9-I		10/9/2007	10/10/2007
0710067-006D	9-I		10/9/2007	10/10/2007
0710067-007A	PW-1		10/9/2007	10/10/2007
0710067-007B	PW-1		10/9/2007	10/10/2007
0710067-007C	PW-1		10/9/2007	10/10/2007
0710067-007D	PW-1		10/9/2007	10/10/2007
0710067-008A	PW-2		10/9/2007	10/10/2007
0710067-008B	PW-2		10/9/2007	10/10/2007
0710067-008C	PW-2		10/9/2007	10/10/2007
0710067-008D	PW-2		10/9/2007	10/10/2007
0710067-009A	9-05		10/9/2007	10/10/2007
0710067-009B	9-05		10/9/2007	10/10/2007
0710067-009C	9-05		10/9/2007	10/10/2007
0710067-009D	9-05		10/9/2007	10/10/2007
0710067-010A	9-R		10/9/2007	10/10/2007
0710067-010B	9-R		10/9/2007	10/10/2007

CLIENT:	Sterling Environmental Engineering, P.C.
Project:	Ramapo
Lab Order:	0710067

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710067-010C	9-R		10/9/2007	10/10/2007
0710067-010D	9-R		10/9/2007	10/10/2007
0710067-011A	DUP-10/07		10/9/2007	10/10/2007
0710067-011B	DUP-10/07		10/9/2007	10/10/2007
0710067-011C	DUP-10/07		10/9/2007	10/10/2007
0710067-011D	DUP-10/07		10/9/2007	10/10/2007
0710067-012A	Trip Blank		10/9/2007	10/10/2007

Life Science Laboratories, Inc.

Date: *31-Oct-07*

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
Lab Order: 0710076

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0710076-001A	7-0S		10/10/2007	10/11/2007
0710076-001B	7-0S		10/10/2007	10/11/2007
0710076-001C	7-0S		10/10/2007	10/11/2007
0710076-001D	7-0S		10/10/2007	10/11/2007
0710076-002A	8-I		10/10/2007	10/11/2007
0710076-002B	8-I		10/10/2007	10/11/2007
0710076-002C	8-I		10/10/2007	10/11/2007
0710076-002D	8-I		10/10/2007	10/11/2007
0710076-003A	8-R		10/10/2007	10/11/2007
0710076-003B	8-R		10/10/2007	10/11/2007
0710076-003C	8-R		10/10/2007	10/11/2007
0710076-003D	8-R		10/10/2007	10/11/2007
0710076-004A	8-OS		10/10/2007	10/11/2007
0710076-004B	8-OS		10/10/2007	10/11/2007
0710076-004C	8-OS		10/10/2007	10/11/2007
0710076-004D	8-OS		10/10/2007	10/11/2007
0710076-005A	3-05/I		10/10/2007	10/11/2007
0710076-005B	3-05/I		10/10/2007	10/11/2007
0710076-005C	3-05/I		10/10/2007	10/11/2007
0710076-005D	3-05/I		10/10/2007	10/11/2007
0710076-006A	1-OS/I		10/10/2007	10/11/2007
0710076-006B	1-OS/I		10/10/2007	10/11/2007
0710076-006C	1-OS/I		10/10/2007	10/11/2007
0710076-006D	1-OS/I		10/10/2007	10/11/2007
0710076-007A	2-OS		10/10/2007	10/11/2007
0710076-007B	2-OS		10/10/2007	10/11/2007
0710076-007C	2-OS		10/10/2007	10/11/2007
0710076-007D	2-OS		10/10/2007	10/11/2007
0710076-008A	4-OS		10/10/2007	10/11/2007
0710076-008B	4-OS		10/10/2007	10/11/2007
0710076-008C	4-OS		10/10/2007	10/11/2007
0710076-008D	4-OS		10/10/2007	10/11/2007

Lab Order: 0710067
Client: Sterling Environmental Engineering, P.C.
Project: Ramapo

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710067-001A	SVWC-93	10/9/2007 10:45:00 AM	Groundwater	COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-001B				Alkalinity, as CaCO3			10/15/2007
0710067-001C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-001D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-002A	SVWC-94	10/9/2007 11:00:00 AM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-002B				Alkalinity, as CaCO3			10/15/2007
0710067-002C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-002D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-003A	SVWC-95	10/9/2007 11:10:00 AM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-003B				Alkalinity, as CaCO3			10/15/2007
0710067-003C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-003D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-004A	SVWC-96	10/9/2007 11:25:00 AM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-004B				Alkalinity, as CaCO3			10/15/2007
0710067-004C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-004D				Volatile Organic Compounds by GC/MS			10/15/2007

Lab Order: 0710067
Client: Sterling Environmental Engineering, P.C.
Project: Ramapo

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710067-005A	S-05	10/9/2007 2:20:00 PM	Groundwater	COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-005B				Alkalinity, as CaCO3			10/15/2007
0710067-005C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-005D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-006A	9-I	10/9/2007 3:50:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-006B				Alkalinity, as CaCO3			10/15/2007
0710067-006C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-006D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-007A	PW-1	10/9/2007 3:55:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-007B				Alkalinity, as CaCO3			10/15/2007
0710067-007C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-007D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-008A	PW-2	10/9/2007 4:25:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-008B				Alkalinity, as CaCO3			10/15/2007
0710067-008C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-008D				Volatile Organic Compounds by GC/MS			10/15/2007

Lab Order: 0710067
Client: Sterling Environmental Engineering, P.C.
Project: Ramapo

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710067-009A	9-05	10/9/2007 3:05:00 PM	Groundwater	COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-009B				Alkalinity, as CaCO3			10/15/2007
0710067-009C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-009D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-010A	9-R	10/9/2007 3:30:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-010B				Alkalinity, as CaCO3			10/15/2007
0710067-010C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-010D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-011A	DUP-10/07	10/9/2007 3:45:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710067-011B				Alkalinity, as CaCO3			10/15/2007
0710067-011C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710067-011D				Volatile Organic Compounds by GC/MS			10/15/2007
0710067-012A	Trip Blank	10/9/2007 10:45:00 AM	Water Q	Volatile Organic Compounds by GC/MS			10/15/2007

Lab Order: 0710076
Client: Sterling Environmental Engineering, P.C.
Project: Ramapo

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710076-001A	7-0S	10/10/2007 11:45:00 AM	Groundwater	COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-001B				Alkalinity, as CaCO3			10/20/2007
0710076-001C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710076-001D				Volatile Organic Compounds by GC/MS			10/16/2007
0710076-002A	8-I	10/10/2007 9:20:00 AM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-002B				Alkalinity, as CaCO3			10/20/2007
0710076-002C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710076-002D				Volatile Organic Compounds by GC/MS			10/16/2007
0710076-003A	8-R	10/10/2007 10:30:00 AM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-003B				Alkalinity, as CaCO3			10/20/2007
0710076-003C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710076-003D				Volatile Organic Compounds by GC/MS			10/16/2007
0710076-004A	8-OS	10/10/2007 9:45:00 AM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-004B				Alkalinity, as CaCO3			10/20/2007
0710076-004C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007

Lab Order: 0710076
Client: Sterling Environmental Engineering, P.C.
Project: Ramapo

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710076-004D	8-OS	10/10/2007 9:45:00 AM	Groundwater	Volatile Organic Compounds by GC/MS			10/16/2007
0710076-005A	3-05/I	10/10/2007 12:05:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-005B				Alkalinity, as CaCO3			10/20/2007
0710076-005C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710076-005D				Volatile Organic Compounds by GC/MS			10/16/2007
0710076-006A	1-OS/I	10/10/2007 12:55:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-006B				Alkalinity, as CaCO3			10/20/2007
0710076-006C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710076-006D				Volatile Organic Compounds by GC/MS			10/16/2007
0710076-007A	2-OS	10/10/2007 4:00:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-007B				Alkalinity, as CaCO3			10/20/2007
0710076-007C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007
0710076-007D				Volatile Organic Compounds by GC/MS			10/16/2007
0710076-008A	4-OS	10/10/2007 4:20:00 PM		COD			10/23/2007
				Kjeldahl Nitrogen - Total (as N)		10/22/2007	10/22/2007
0710076-008B				Alkalinity, as CaCO3			10/20/2007
0710076-008C				Hardness (As CaCO3)			10/13/2007
				Mercury		10/18/2007	10/19/2007
				Total Metals by ICP		10/15/2007	10/16/2007

Lab Order: 0710076
Client: Sterling Environmental Engineering, P.C.
Project: Ramapo

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0710076-008D	4-OS	10/10/2007 4:20:00 PM	Groundwater	Volatile Organic Compounds by GC/MS			10/16/2007

Chain of Custody

External Chain of Custody

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Sterling Environmental Engineering
Project: T/Ramapo
Sampled by: J. Sgambati / E. Mussman
Client Contact: J. Sgambati Phone # 518 456 4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN, COD, Alkalinity, Hardness, 1,1-Dichloroethene, Vinyl Chloride, Benzene, Chlorobenzene, TAL metals							Comments
SVWC -93	10/9/07	10:45	GW	Grab	6	X	X	X	X				#Antimony Method 200.8 for 0.3 ppb reporting limit.
SVWC -94		11:00											
SVWC -95		11:10											
SVWC -96		11:25											
5-05		2:20											
9-I		3:50											
PW-1		3:55											
PW-2		4:25											

Relinquished by:	Date: 10/9/07 Time: 5:30	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by Lab:	Date: 10/10/07 Time: 0850
Shipment Method:		Airbill Number:	

Turnaround Time Required:
Routine ✓
Rush (Specify)

Comments:

Temperature: 7.6 °C on ice

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Sterling Environmental Engineering
Project: T/Ramapo
Sampled by: J. Syambati / E. Mossman
Client Contact: J. Syambati Phone # 518-456-4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TCN, COD, Alkalinity, Hardness, 1,1-Dichloroethane, Vinyl Chloride, Benzene, Chlorobenzene, THL methyl	Comments
9-05	10/9/07	3:05	GW	Grab	6	x	*Antimony method 200.8 for 0.3 ppb reporting limit
9-R		3:30					
9-R/MS		3:35					
9-R/MSD		3:40					
DUP-10/07	↓	3:45	↓	↓	↓	↓	

Relinquished by:		Date: 10/9/07	Time: 5:30	Received by:	Date: Time:
Relinquished by:		Date:	Time:	Received by:	Date: Time:
Relinquished by:		Date:	Time:	Received by Lab:	Date: 10/10/07 Time: 0850
Shipment Method:				Airbill Number:	

Turnaround Time Required:
Routine ✓
Rush (Specify)

Comments:

Temperature: 7.4°C on ice

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **STERLING** Date and Time Received: **10/10/2007 8:50:00 AM**

Work Order Number **0710067** Received by: ads

Checklist completed by: _____ Initials / 10/10/07 Date Reviewed by: _____ Initials / 10-10-07 Date

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☐	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	Yes ☐	No ☑	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☐ N ☐ NA ☑		
<2	HNO3	Yes ☑ N ☐ NA ☐		
<2	HSO4	Yes ☑ N ☐ NA ☐		
<2	1:1 HCL	Yes ☐ N ☐ NA ☑		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

Trip Blank received but not listed on COC. Headspace: (all 6mm): 2 vials for "9-R" and one Trip Blank.

Corrective Action::

Client/Project Sterling 0710067

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
-001→011	C		[illegible]	10/13/07 9:30	Hardness	10/13/07 14:15
0710067-001→012	B/D		JK	10/15/07 9:00	8260	NR
0710067-001C→011C	C		BW	10/15/07 ~~9:15~~ 13:15	3005A	15:50 10/15/07
-001→011	B		HK	10-15-07 16:30	TALK	10-15-07 19:10
0710067-001→011	C		BW	10-17-07 9:12	HG7470W	
0710067-001-011	A		JK	10-22-07 8:30	TKN	10-22-07 12:00
0710067-001-011	A		JK	10/23/07 9:50	COD	10/23/07 1600

FedEx. Express **US Airbill** FedEx Tracking Number 8634 9079 7144

Recipient's Copy

1 From
Date 10-9-07 [redacted]
Sender's Name Jessica [illegible] Phone 518 456-4900
Company Sterling Environmental Engineering, P.C.
Address 24 Wade Rd.
Dept./Floor/Suite/Room
City Latham State NY ZIP 12110

2 Your Internal Billing Reference [illegible]

3 To
Recipient's Name Phone 315 437-0200
Company Life Science Laboratories Inc.
Recipient's Address
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room
Address 5000 Brittonfield Parkway, Suite 200
To request a package be held at a specific FedEx location, print FedEx address here.
City East Syracuse State NY ZIP 13057

8634 9079 7144

4a Express Package Service *Packages up to 150 lbs.*
- ☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate. * To most locations.

4b Express Freight Service *Packages over 150 lbs.*
- ☐ FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation: ** To most locations.

5 Packaging
- ☑ FedEx Envelope*
- ☐ FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- ☐ FedEx Box
- ☐ FedEx Tube
- ☐ Other

* Declared value limit $500.

6 Special Handling — Include FedEx address in Section 3.
- ☐ SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- ☐ HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- ☐ HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.
- ☐ No
- ☐ Yes — As per attached Shipper's Declaration.
- ☐ Yes — Shipper's Declaration not required.
- ☐ Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- ☐ Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment *Bill to:* Enter FedEx Acct. No. or Credit Card No. below.
- ☑ Sender — Acct. No. in Section 1 will be billed.
- ☐ Recipient
- ☐ Third Party
- ☐ Credit Card
- ☐ Cash/Check

Obtain Recip. Acct. No. ☐

[redacted]

Total Packages	Total Weight	Total Declared Value†	Credit Card Auth.
1		$ .00	

†Our liability is limited to $100 unless you declare a higher value. See back for details.

8 Residential Delivery Signature Options If you require a signature, check Direct or Indirect.
- ☐ No Signature Required — Package may be left without obtaining a signature for delivery.
- ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. *Fee applies.*

520

Rev. Date 10/06•Part #158281•©1994–2006 FedEx•PRINTED IN U.S.A. SRY

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

FedEx Express US Airbill — 0200 — Form ID No. — **FedEx Retrieval Copy**

1 From

Date: 10-9-07 | Sender's FedEx Account Number: 238[illegible]438

Sender's Name: Jessica Sgambati | Phone: 518 456-4900

Company: Sterling Environmental Engineering, P.C.

Address: 24 Wade Rd.

Dept./Floor/Suite/Room

City: Latham | State: NY | ZIP: 12110

2 Your Internal Billing Reference: Town of [illegible] LF

3 To

Recipient's Name: [illegible] | Phone: 315 437-0200

Company: [illegible] Inc.

Recipient's Address: We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Address: [illegible] Suite 200

To request a package be held at a specific FedEx location, print FedEx address here.

City [illegible] ZIP 13057

4a Express Package Service — *Packages up to 150 lbs.*

- 1 ☑ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 5 ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- 6 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- 3 ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

* To most locations.

4b Express Freight Service — *Packages over 150 lbs.*

- 7 ☐ FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 8 ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- 83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

* Call for Confirmation:

** To most locations.

5 Packaging

6 ☐ FedEx Envelope* | 2 ☐ FedEx Pak* (Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.) | 3 ☐ FedEx Box | 4 ☐ FedEx Tube | 1 ☐ Other

* Declared value limit $500.

6 Special Handling

Include FedEx address in Section 3.

- 3 ☐ SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- 1 ☐ HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- 31 ☐ HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.

☐ No | 4 ☐ Yes As per attached Shipper's Declaration. | ☐ Yes Shipper's Declaration not required. | 6 ☐ Dry Ice Dry Ice, 9, UN 1845 ___ x ___ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging. | ☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

1 ☐ Sender Acct. No. in Section 1 will be billed. | 2 ☐ Recipient | 3 ☐ Third Party | 4 ☐ Credit Card | 5 ☑ Cash/Check | Obtain Recip. Acct. No. ☐

[redacted]

Total Packages: 1 | Total Weight | [redacted] | Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

8 Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.

- ☐ No Signature Required — Package may be left without obtaining a signature for delivery.
- 10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- 34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

Rev. Date [illegible] FedEx—PRINTED IN U.S.A.

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Sterling Environmental Engineering
Project: T/Ramapo
Sampled by: J. Sgambati / E. Mussman
Client Contact: J. Sgambati Phone # 518.456-4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN, COD, Alkalinity, Hardness, 1,1-dichloroethene, Vinyl Chloride, Benzene, Chlorobenzene, TAL metals	Comments
7-OS	10/10/07	11:45	GW	Grab	6	X X X X	*Antimony method 200.8 PQL 0.3 ppb reporting limit
8-I		9:20					
8-R		10:30					
8-OS		9:45					
3-OS/I		12:25					
1-OS/I		12:55					
2-OS		4:00					
4-OS		4:20					

Relinquished by: Ellen Mussman	Date: 10/10/07	Time: 5:00	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Lab:	Date: 10/11/07	Time: 0835
Shipment Method:			Airbill Number:		

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Temperature: 7.2°C on ice

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **STERLING** Date and Time Received: **10/11/2007 8:35:00 AM**

Work Order Number **0710076** Received by: **ads**

Checklist completed by: _____ 10/11/07 Reviewed by: _____ 10-11-07
Initials Date Initials Date

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☐	No ☑	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Water - VOA vials have zero headspace?	Yes ☐	No ☑	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

pH	Preservative	pH Acceptable	Sample ID	Volume of Preservative added in Lab.
>12	NaOH	Yes ☐ N ☐ NA ☑		
<2	HNO3	Yes ☑ N ☐ NA ☐		
<2	HSO4	Yes ☑ N ☐ NA ☐		
<2	1:1 HCL	Yes ☐ N ☐ NA ☑		
5-9	Pest/PCBs (608/8081)	Yes ☐ N ☐ NA ☑		

Comments:

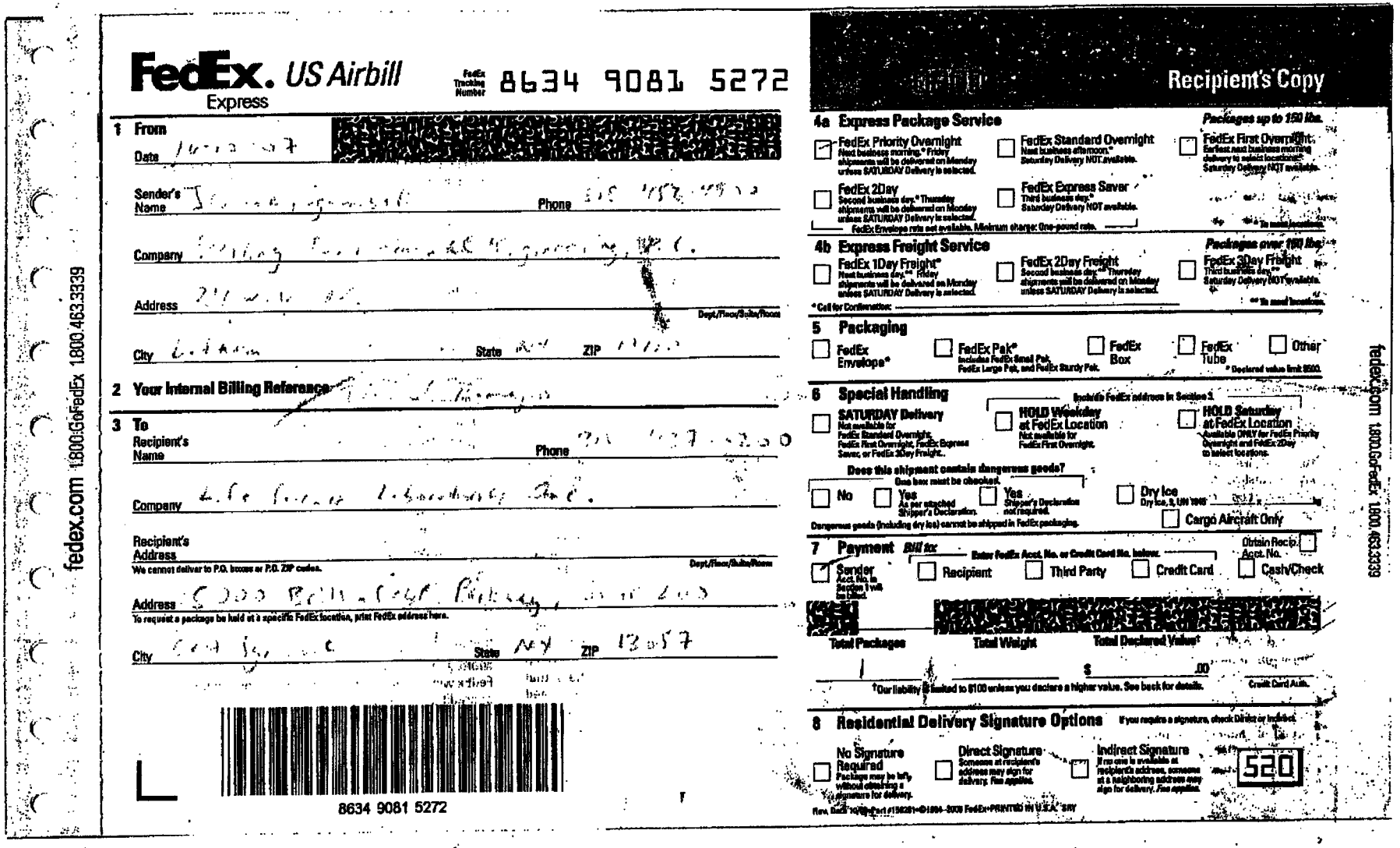
One vial for "4-OS" was received broken. Samples received at 7.2 degrees celcius. Headspace: "8-R": 1 vial has 6mm, another 12mm, "8-OS": 1 vial has 6mm.

Corrective Action::

Client/Project Sterling 0710076

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
-001 → 008	C		[illegible]	10/13/07 9:30	Hardness	10/13/07 14:15
0710076-001-008	C		BW	10/15/07 13:15	3005A	10/15/07 15:50
0710076-001→008	D		[illegible]	10/15/07 16:30	8260	N/R
0710076-001→008	C		BW	10/17/07 9:15	H6 7470W	10/17 13:42
-001→008	B		HK	10-20-07 8:45	TALK	10-20-07 13:15
0710076-001-005	A		[illegible]	10-22-07 8:30	TKN	10-22-07 12:00
0710076-001-008	A		[illegible]	10-23-07 9:50	COD	10-23-07 16:00



FedEx. US Airbill
Express

FedEx Tracking Number 8634 9081 5272

Recipient's Copy

1 From
Date
Sender's Name
Phone
Company
Address
Dept./Floor/Suite/Room
City
State
ZIP

2 Your Internal Billing Reference

3 To
Recipient's Name
Phone
Company
Recipient's Address
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Dept./Floor/Suite/Room
Address
To request a package be held at a specific FedEx location, print FedEx address here.
City
State NY
ZIP 13057

8634 9081 5272

4a Express Package Service — Packages up to 150 lbs.
- [x] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.
- [ ] FedEx First Overnight — Earliest next business morning delivery to select locations.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

FedEx Envelope rate not available. Minimum charge: One-pound rate.

4b Express Freight Service — Packages over 150 lbs.
- [ ] FedEx 1Day Freight* — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

*Call for Confirmation; **To most locations.

5 Packaging
- [ ] FedEx Envelope*
- [ ] FedEx Pak* — Includes FedEx Small Pak, FedEx Large Pak, and FedEx Sturdy Pak.
- [ ] FedEx Box
- [ ] FedEx Tube
- [ ] Other

*Declared value limit $500.

6 Special Handling — Includes FedEx address in Section 3.
- [ ] SATURDAY Delivery — Not available for FedEx Standard Overnight, FedEx First Overnight, FedEx Express Saver, or FedEx 3Day Freight.
- [ ] HOLD Weekday at FedEx Location — Not available for FedEx First Overnight.
- [ ] HOLD Saturday at FedEx Location — Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

Does this shipment contain dangerous goods? One box must be checked.
- [ ] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg
- [ ] Cargo Aircraft Only

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging.

7 Payment Bill to: Enter FedEx Acct. No. or Credit Card No. below. Obtain Recip. Acct. No. [ ]
- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages	Total Weight	Total Declared Value†
1		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details. Credit Card Auth.

8 Residential Delivery Signature Options — If you require a signature, check Direct or Indirect.
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. Fee applies.

520

Rev. Date 10/99 Part #156281 ©1994-2000 FedEx PRINTED IN U.S.A. SRV

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

Internal Chain of Custody

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 6368 Date Digested : 10/15/07

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
Sterling	0710067-001C → 011C 0710076-001C → 008C	← same	C. Tran	10/16/07	9:30	16:30

Analytical Results

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-001D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-93***
W Order:	0710067	**Collection Date:**	10/09/07 10:45
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:07	**TestCode:** 8260W	**FileID:** 1-SAMP-M2948.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 12:45
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 12:45
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 12:45
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 12:45
Surr: 1,2-Dichloroethane-d4	99.8		75-134	0.04	%REC	1	10/15/07 12:45
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	10/15/07 12:45
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	10/15/07 12:45
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/15/07 12:45

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-002D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-94***
W Order:	0710067	**Collection Date:**	10/09/07 11:00
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2949.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 13:24
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 13:24
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 13:24
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 13:24
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	10/15/07 13:24
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	10/15/07 13:24
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	10/15/07 13:24
Surr: Toluene-d8	108		75-125	0.01	%REC	1	10/15/07 13:24

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-003D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-95***
W Order:	0710067	**Collection Date:**	10/09/07 11:10
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2950.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 14:02
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 14:02
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 14:02
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 14:02
Surr: 1,2-Dichloroethane-d4	100		75-134	0.04	%REC	1	10/15/07 14:02
Surr: 4-Bromofluorobenzene	104		75-125	0.04	%REC	1	10/15/07 14:02
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	10/15/07 14:02
Surr: Toluene-d8	108		75-125	0.01	%REC	1	10/15/07 14:02

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-004D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-96***
W Order:	0710067	**Collection Date:**	10/09/07 11:25
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2951.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 14:41
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 14:41
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 14:41
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 14:41
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	10/15/07 14:41
Surr: 4-Bromofluorobenzene	103		75-125	0.04	%REC	1	10/15/07 14:41
Surr: Dibromofluoromethane	104		75-127	0.03	%REC	1	10/15/07 14:41
Surr: Toluene-d8	109		75-125	0.01	%REC	1	10/15/07 14:41

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-005D**
Project:	Ramapo	**Client Sample ID:**	***S-05***
W Order:	0710067	**Collection Date:**	10/09/07 14:20
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2952.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 15:19
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 15:19
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 15:19
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 15:19
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	10/15/07 15:19
Surr: 4-Bromofluorobenzene	104		75-125	0.04	%REC	1	10/15/07 15:19
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	10/15/07 15:19
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/15/07 15:19

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-006D**
Project:	Ramapo	**Client Sample ID:**	***9-I***
W Order:	0710067	**Collection Date:**	10/09/07 15:50
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2953.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 15:58
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 15:58
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 15:58
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 15:58
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	10/15/07 15:58
Surr: 4-Bromofluorobenzene	101		75-125	0.04	%REC	1	10/15/07 15:58
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	10/15/07 15:58
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/15/07 15:58

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-007D**
Project:	Ramapo	**Client Sample ID:**	***PW-1***
W Order:	0710067	**Collection Date:**	10/09/07 15:55
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2954.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 16:36
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 16:36
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 16:36
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 16:36
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	10/15/07 16:36
Surr: 4-Bromofluorobenzene	105		75-125	0.04	%REC	1	10/15/07 16:36
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	10/15/07 16:36
Surr: Toluene-d8	106		75-125	0.01	%REC	1	10/15/07 16:36

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-008D**
Project:	Ramapo	**Client Sample ID:**	***PW-2***
W Order:	0710067	**Collection Date:**	10/09/07 16:25
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2955.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 17:14
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 17:14
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 17:14
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 17:14
Surr: 1,2-Dichloroethane-d4	99.3		75-134	0.04	%REC	1	10/15/07 17:14
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	10/15/07 17:14
Surr: Dibromofluoromethane	99.7		75-127	0.03	%REC	1	10/15/07 17:14
Surr: Toluene-d8	109		75-125	0.01	%REC	1	10/15/07 17:14

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-009D**
Project:	Ramapo	**Client Sample ID:**	***9-05***
W Order:	0710067	**Collection Date:**	10/09/07 15:05
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2956.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 17:53
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 17:53
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 17:53
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 17:53
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	10/15/07 17:53
Surr: 4-Bromofluorobenzene	101		75-125	0.04	%REC	1	10/15/07 17:53
Surr: Dibromofluoromethane	100		75-127	0.03	%REC	1	10/15/07 17:53
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/15/07 17:53

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-010D**
Project:	Ramapo	**Client Sample ID:**	***9-R***
W Order:	0710067	**Collection Date:**	10/09/07 15:30
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2957.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 18:31
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 18:31
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 18:31
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 18:31
Surr: 1,2-Dichloroethane-d4	104		75-134	0.04	%REC	1	10/15/07 18:31
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	10/15/07 18:31
Surr: Dibromofluoromethane	104		75-127	0.03	%REC	1	10/15/07 18:31
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/15/07 18:31

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-011D**
Project:	Ramapo	**Client Sample ID:**	***DUP-10/07***
W Order:	0710067	**Collection Date:**	10/09/07 15:45
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2958.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 19:10
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 19:10
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 19:10
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 19:10
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	10/15/07 19:10
Surr: 4-Bromofluorobenzene	101		75-125	0.04	%REC	1	10/15/07 19:10
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	10/15/07 19:10
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/15/07 19:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-012A**
Project:	Ramapo	**Client Sample ID:**	***Trip Blank***
W Order:	0710067	**Collection Date:**	10/09/07 10:45
Matrix:	WATER Q	**Date Received:**	10/10/07 8:50
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11552
Revision:	10/19/07 14:00	**TestCode:** 8260W	**FileID:** 1-SAMP-M2959.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/15/07 19:48
Benzene	ND		0.50	0.01	µg/L	1	10/15/07 19:48
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/15/07 19:48
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/15/07 19:48
Surr: 1,2-Dichloroethane-d4	105		75-134	0.04	%REC	1	10/15/07 19:48
Surr: 4-Bromofluorobenzene	100		75-125	0.04	%REC	1	10/15/07 19:48
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	10/15/07 19:48
Surr: Toluene-d8	108		75-125	0.01	%REC	1	10/15/07 19:48

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-001D**
Project:	Ramapo	**Client Sample ID:**	***7-0S***
W Order:	0710076	**Collection Date:**	10/10/07 11:45
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2981.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/16/07 13:53
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 13:53
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/16/07 13:53
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 13:53
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	10/16/07 13:53
Surr: 4-Bromofluorobenzene	101		75-125	0.04	%REC	1	10/16/07 13:53
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	10/16/07 13:53
Surr: Toluene-d8	108		75-125	0.01	%REC	1	10/16/07 13:53

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-002D**
Project:	Ramapo	**Client Sample ID:**	***8-I***
W Order:	0710076	**Collection Date:**	10/10/07 9:20
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2982.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/16/07 14:31
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 14:31
Chlorobenzene	0.52		0.50	0.01	µg/L	1	10/16/07 14:31
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 14:31
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	10/16/07 14:31
Surr: 4-Bromofluorobenzene	103		75-125	0.04	%REC	1	10/16/07 14:31
Surr: Dibromofluoromethane	104		75-127	0.03	%REC	1	10/16/07 14:31
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/16/07 14:31

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-003D**
Project:	Ramapo	**Client Sample ID:**	***8-R***
W Order:	0710076	**Collection Date:**	10/10/07 10:30
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2983.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	0.14	J	0.50	0.03	µg/L	1	10/16/07 15:10
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 15:10
Chlorobenzene	0.13	J	0.50	0.01	µg/L	1	10/16/07 15:10
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 15:10
Surr: 1,2-Dichloroethane-d4	102		75-134	0.04	%REC	1	10/16/07 15:10
Surr: 4-Bromofluorobenzene	101		75-125	0.04	%REC	1	10/16/07 15:10
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	10/16/07 15:10
Surr: Toluene-d8	109		75-125	0.01	%REC	1	10/16/07 15:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-004D**
Project:	Ramapo	**Client Sample ID:**	***8-OS***
W Order:	0710076	**Collection Date:**	10/10/07 9:45
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2984.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/16/07 15:48
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 15:48
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/16/07 15:48
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 15:48
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	10/16/07 15:48
Surr: 4-Bromofluorobenzene	101		75-125	0.04	%REC	1	10/16/07 15:48
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	10/16/07 15:48
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/16/07 15:48

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-005D**
Project:	Ramapo	**Client Sample ID:**	***3-05/I***
W Order:	0710076	**Collection Date:**	10/10/07 12:05
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2985.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/16/07 16:27
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 16:27
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/16/07 16:27
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 16:27
Surr: 1,2-Dichloroethane-d4	101		75-134	0.04	%REC	1	10/16/07 16:27
Surr: 4-Bromofluorobenzene	104		75-125	0.04	%REC	1	10/16/07 16:27
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	10/16/07 16:27
Surr: Toluene-d8	107		75-125	0.01	%REC	1	10/16/07 16:27

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-006D**
Project:	Ramapo	**Client Sample ID:**	***1-OS/I***
W Order:	0710076	**Collection Date:**	10/10/07 12:55
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2986.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	ND		0.50	0.03	µg/L	1	10/16/07 17:05
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 17:05
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/16/07 17:05
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 17:05
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	10/16/07 17:05
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	10/16/07 17:05
Surr: Dibromofluoromethane	99.6		75-127	0.03	%REC	1	10/16/07 17:05
Surr: Toluene-d8	108		75-125	0.01	%REC	1	10/16/07 17:05

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-007D**
Project:	Ramapo	**Client Sample ID:**	***2-OS***
W Order:	0710076	**Collection Date:**	10/10/07 16:00
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2987.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	0.10	J	0.50	0.03	µg/L	1	10/16/07 17:44
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 17:44
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/16/07 17:44
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 17:44
Surr: 1,2-Dichloroethane-d4	105		75-134	0.04	%REC	1	10/16/07 17:44
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	10/16/07 17:44
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	10/16/07 17:44
Surr: Toluene-d8	108		75-125	0.01	%REC	1	10/16/07 17:44

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-008D**
Project:	Ramapo	**Client Sample ID:**	***4-OS***
W Order:	0710076	**Collection Date:**	10/10/07 16:20
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	MS02 12	**Sample Size:** 25 mL	**PrepDate:**
ColumnID:	Rtx-502.2	**%Moisture:**	**BatchNo:** R11553
Revision:	10/19/07 14:20	**TestCode:** 8260W	**FileID:** 1-SAMP-M2988.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS					**SW8260B**		
1,1-Dichloroethane	0.15	J	0.50	0.03	µg/L	1	10/16/07 18:23
Benzene	ND		0.50	0.01	µg/L	1	10/16/07 18:23
Chlorobenzene	ND		0.50	0.01	µg/L	1	10/16/07 18:23
Vinyl chloride	ND		1.00	0.04	µg/L	1	10/16/07 18:23
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	10/16/07 18:23
Surr: 4-Bromofluorobenzene	103		75-125	0.04	%REC	1	10/16/07 18:23
Surr: Dibromofluoromethane	100		75-127	0.03	%REC	1	10/16/07 18:23
Surr: Toluene-d8	105		75-125	0.01	%REC	1	10/16/07 18:23

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-001C**
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0710067	**Collection Date:**	10/09/07 10:45
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30526
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	ND		0.050	0.040	mg/L	1	10/16/07 12:23
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 12:23
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 12:23
Barium	0.011	J	0.10	0.00054	mg/L	1	10/16/07 12:23
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 12:23
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 12:23
Calcium	25		1.0	0.040	mg/L	1	10/16/07 12:23
Chromium	ND		0.010	0.0014	mg/L	1	10/16/07 12:23
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 12:23
Copper	0.0080	J	0.010	0.0019	mg/L	1	10/16/07 12:23
Iron	0.046	J	0.050	0.0050	mg/L	1	10/16/07 12:23
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 12:23
Magnesium	6.1		1.0	0.040	mg/L	1	10/16/07 12:23
Manganese	ND		0.050	0.0015	mg/L	1	10/16/07 12:23
Nickel	0.0055	J	0.050	0.0011	mg/L	1	10/16/07 12:23
Potassium	2.0	J	5.0	0.068	mg/L	1	10/16/07 12:23
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 12:23
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 12:23
Sodium	60		1.0	0.040	mg/L	1	10/16/07 12:23
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 12:23
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 12:23
Zinc	0.013		0.010	0.0040	mg/L	1	10/16/07 12:23

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-001C**
Project:	Ramapo	**Client Sample ID:**	***SWWC-93***
W Order:	0710067	**Collection Date:**	10/09/07 10:45
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000027	J	0.00020	0.000026	mg/L	1	10/19/07 13:33

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-002C**
Project:	Ramapo	**Client Sample ID:**	***SVWC-94***
W Order:	0710067	**Collection Date:**	10/09/07 11:00
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30527
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	ND		0.050	0.040	mg/L	1	10/16/07 12:26
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 12:26
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 12:26
Barium	0.014	J	0.10	0.00054	mg/L	1	10/16/07 12:26
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 12:26
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 12:26
Calcium	23		1.0	0.040	mg/L	1	10/16/07 12:26
Chromium	ND		0.010	0.0014	mg/L	1	10/16/07 12:26
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 12:26
Copper	0.012		0.010	0.0019	mg/L	1	10/16/07 12:26
Iron	0.012	J	0.050	0.0050	mg/L	1	10/16/07 12:26
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 12:26
Magnesium	5.9		1.0	0.040	mg/L	1	10/16/07 12:26
Manganese	0.0038	J	0.050	0.0015	mg/L	1	10/16/07 12:26
Nickel	ND		0.050	0.0011	mg/L	1	10/16/07 12:26
Potassium	1.6	J	5.0	0.068	mg/L	1	10/16/07 12:26
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 12:26
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 12:26
Sodium	52		1.0	0.040	mg/L	1	10/16/07 12:26
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 12:26
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 12:26
Zinc	0.010		0.010	0.0040	mg/L	1	10/16/07 12:26

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-002C
Project:	Ramapo	**Client Sample ID:**	*SVWC-94*
W Order:	0710067	**Collection Date:**	10/09/07 11:00
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 13:35

Qualifiers:			
	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-003C**
Project:	Ramapo	**Client Sample ID:**	***SVWC-95***
W Order:	0710067	**Collection Date:**	10/09/07 11:10
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30532
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	ND		0.050	0.040	mg/L	1	10/16/07 13:02
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:02
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 13:02
Barium	0.016	J	0.10	0.00054	mg/L	1	10/16/07 13:02
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 13:02
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:02
Calcium	25		1.0	0.040	mg/L	1	10/16/07 13:02
Chromium	ND		0.010	0.0014	mg/L	1	10/16/07 13:02
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:02
Copper	0.0044	J	0.010	0.0019	mg/L	1	10/16/07 13:02
Iron	0.076		0.050	0.0050	mg/L	1	10/16/07 13:02
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:02
Magnesium	6.5		1.0	0.040	mg/L	1	10/16/07 13:02
Manganese	0.096		0.050	0.0015	mg/L	1	10/16/07 13:02
Nickel	0.0012	J	0.050	0.0011	mg/L	1	10/16/07 13:02
Potassium	2.2	J	5.0	0.068	mg/L	1	10/16/07 13:02
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:02
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:02
Sodium	53		1.0	0.040	mg/L	1	10/16/07 13:02
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:02
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 13:02
Zinc	0.0082	J	0.010	0.0040	mg/L	1	10/16/07 13:02

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-003C**
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0710067	**Collection Date:**	10/09/07 11:10
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000057	J	0.00020	0.000026	mg/L	1	10/19/07 13:37

Qualifiers:			
	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-004C
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0710067	**Collection Date:**	10/09/07 11:25
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30533
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	ND		0.050	0.040	mg/L	1	10/16/07 13:06
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:06
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 13:06
Barium	0.0094	J	0.10	0.00054	mg/L	1	10/16/07 13:06
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 13:06
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:06
Calcium	22		1.0	0.040	mg/L	1	10/16/07 13:06
Chromium	ND		0.010	0.0014	mg/L	1	10/16/07 13:06
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:06
Copper	0.0043	J	0.010	0.0019	mg/L	1	10/16/07 13:06
Iron	ND		0.050	0.0050	mg/L	1	10/16/07 13:06
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:06
Magnesium	5.8		1.0	0.040	mg/L	1	10/16/07 13:06
Manganese	ND		0.050	0.0015	mg/L	1	10/16/07 13:06
Nickel	ND		0.050	0.0011	mg/L	1	10/16/07 13:06
Potassium	1.6	J	5.0	0.068	mg/L	1	10/16/07 13:06
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:06
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:06
Sodium	56		1.0	0.040	mg/L	1	10/16/07 13:06
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:06
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 13:06
Zinc	0.0088	J	0.010	0.0040	mg/L	1	10/16/07 13:06

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-004C
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0710067	**Collection Date:**	10/09/07 11:25
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000036	J	0.00020	0.000026	mg/L	1	10/19/07 13:44

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:03 312818 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-005C
Project:	Ramapo	**Client Sample ID:**	*S-05*
W Order:	0710067	**Collection Date:**	10/09/07 14:20
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30534
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.37		0.050	0.040	mg/L	1	10/16/07 13:10
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:10
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 13:10
Barium	0.0076	J	0.10	0.00054	mg/L	1	10/16/07 13:10
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 13:10
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:10
Calcium	12		1.0	0.040	mg/L	1	10/16/07 13:10
Chromium	0.032		0.010	0.0014	mg/L	1	10/16/07 13:10
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:10
Copper	ND		0.010	0.0019	mg/L	1	10/16/07 13:10
Iron	0.85		0.050	0.0050	mg/L	1	10/16/07 13:10
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:10
Magnesium	4.6		1.0	0.040	mg/L	1	10/16/07 13:10
Manganese	0.014	J	0.050	0.0015	mg/L	1	10/16/07 13:10
Nickel	0.014	J	0.050	0.0011	mg/L	1	10/16/07 13:10
Potassium	0.76	J	5.0	0.068	mg/L	1	10/16/07 13:10
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:10
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:10
Sodium	4.1		1.0	0.040	mg/L	1	10/16/07 13:10
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:10
Vanadium	0.0047	J	0.050	0.00066	mg/L	1	10/16/07 13:10
Zinc	0.0088	J	0.010	0.0040	mg/L	1	10/16/07 13:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-005C**
Project:	Ramapo	**Client Sample ID:**	*S-05*
W Order:	0710067	**Collection Date:**	10/09/07 14:20
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000026	J	0.00020	0.000026	mg/L	1	10/19/07 13:46

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-006C
Project:	Ramapo	**Client Sample ID:**	*9-I*
W Order:	0710067	**Collection Date:**	10/09/07 15:50
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30535
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	21		0.050	0.040	mg/L	1	10/16/07 13:13
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:13
Arsenic	0.0044	J	0.0050	0.0040	mg/L	1	10/16/07 13:13
Barium	0.18		0.10	0.00054	mg/L	1	10/16/07 13:13
Beryllium	0.0012	J	0.0030	0.00010	mg/L	1	10/16/07 13:13
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:13
Calcium	12		1.0	0.040	mg/L	1	10/16/07 13:13
Chromium	0.15		0.010	0.0014	mg/L	1	10/16/07 13:13
Cobalt	0.027		0.010	0.0060	mg/L	1	10/16/07 13:13
Copper	0.044		0.010	0.0019	mg/L	1	10/16/07 13:13
Iron	41		0.050	0.0050	mg/L	1	10/16/07 13:13
Lead	0.0048	J	0.0050	0.0040	mg/L	1	10/16/07 13:13
Magnesium	7.9		1.0	0.040	mg/L	1	10/16/07 13:13
Manganese	0.56		0.050	0.0015	mg/L	1	10/16/07 13:13
Nickel	0.031	J	0.050	0.0011	mg/L	1	10/16/07 13:13
Potassium	6.2		5.0	0.068	mg/L	1	10/16/07 13:13
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:13
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:13
Sodium	9.8		1.0	0.040	mg/L	1	10/16/07 13:13
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:13
Vanadium	0.043	J	0.050	0.00066	mg/L	1	10/16/07 13:13
Zinc	0.056		0.010	0.0040	mg/L	1	10/16/07 13:13

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-006C**
Project:	Ramapo	**Client Sample ID:**	***9-I***
W Order:	0710067	**Collection Date:**	10/09/07 15:50
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000078	J	0.00020	0.000026	mg/L	1	10/19/07 13:48

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-007C
Project:	Ramapo	**Client Sample ID:**	*PW-1*
W Order:	0710067	**Collection Date:**	10/09/07 15:55
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30536
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	ND		0.050	0.040	mg/L	1	10/16/07 13:17
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:17
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 13:17
Barium	0.0055	J	0.10	0.00054	mg/L	1	10/16/07 13:17
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 13:17
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:17
Calcium	8.2		1.0	0.040	mg/L	1	10/16/07 13:17
Chromium	ND		0.010	0.0014	mg/L	1	10/16/07 13:17
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:17
Copper	0.060		0.010	0.0019	mg/L	1	10/16/07 13:17
Iron	0.017	J	0.050	0.0050	mg/L	1	10/16/07 13:17
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:17
Magnesium	2.3		1.0	0.040	mg/L	1	10/16/07 13:17
Manganese	ND		0.050	0.0015	mg/L	1	10/16/07 13:17
Nickel	ND		0.050	0.0011	mg/L	1	10/16/07 13:17
Potassium	0.91	J	5.0	0.068	mg/L	1	10/16/07 13:17
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:17
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:17
Sodium	12		1.0	0.040	mg/L	1	10/16/07 13:17
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:17
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 13:17
Zinc	0.024		0.010	0.0040	mg/L	1	10/16/07 13:17

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-007C**
Project:	Ramapo	**Client Sample ID:**	***PW-1***
W Order:	0710067	**Collection Date:**	10/09/07 15:55
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000047	J	0.00020	0.000026	mg/L	1	10/19/07 13:51

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-008C**
Project:	Ramapo	**Client Sample ID:**	***PW-2***
W Order:	0710067	**Collection Date:**	10/09/07 16:25
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30537
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	ND		0.050	0.040	mg/L	1	10/16/07 13:20
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:20
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 13:20
Barium	0.0024	J	0.10	0.00054	mg/L	1	10/16/07 13:20
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 13:20
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:20
Calcium	21		1.0	0.040	mg/L	1	10/16/07 13:20
Chromium	ND		0.010	0.0014	mg/L	1	10/16/07 13:20
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:20
Copper	0.20		0.010	0.0019	mg/L	1	10/16/07 13:20
Iron	0.13		0.050	0.0050	mg/L	1	10/16/07 13:20
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:20
Magnesium	2.4		1.0	0.040	mg/L	1	10/16/07 13:20
Manganese	0.0056	J	0.050	0.0015	mg/L	1	10/16/07 13:20
Nickel	0.0070	J	0.050	0.0011	mg/L	1	10/16/07 13:20
Potassium	0.88	J	5.0	0.068	mg/L	1	10/16/07 13:20
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:20
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:20
Sodium	6.1		1.0	0.040	mg/L	1	10/16/07 13:20
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:20
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 13:20
Zinc	0.14		0.010	0.0040	mg/L	1	10/16/07 13:20

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-008C**
Project:	Ramapo	**Client Sample ID:**	***PW-2***
W Order:	0710067	**Collection Date:**	10/09/07 16:25
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 13:53

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-009C
Project:	Ramapo	**Client Sample ID:**	*9-05*
W Order:	0710067	**Collection Date:**	10/09/07 15:05
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30538
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	4.0		0.050	0.040	mg/L	1	10/16/07 13:24
Antimony	0.0020	J	0.0030	0.0015	mg/L	1	10/16/07 13:24
Arsenic	0.0042	J	0.0050	0.0040	mg/L	1	10/16/07 13:24
Barium	0.033	J	0.10	0.00054	mg/L	1	10/16/07 13:24
Beryllium	0.00034	J	0.0030	0.00010	mg/L	1	10/16/07 13:24
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:24
Calcium	8.1		1.0	0.040	mg/L	1	10/16/07 13:24
Chromium	0.33		0.010	0.0014	mg/L	1	10/16/07 13:24
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:24
Copper	0.014		0.010	0.0019	mg/L	1	10/16/07 13:24
Iron	6.3		0.050	0.0050	mg/L	1	10/16/07 13:24
Lead	0.0061		0.0050	0.0040	mg/L	1	10/16/07 13:24
Magnesium	2.5		1.0	0.040	mg/L	1	10/16/07 13:24
Manganese	0.14		0.050	0.0015	mg/L	1	10/16/07 13:24
Nickel	0.034	J	0.050	0.0011	mg/L	1	10/16/07 13:24
Potassium	1.7	J	5.0	0.068	mg/L	1	10/16/07 13:24
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:24
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:24
Sodium	7.2		1.0	0.040	mg/L	1	10/16/07 13:24
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:24
Vanadium	0.0086	J	0.050	0.00066	mg/L	1	10/16/07 13:24
Zinc	0.013		0.010	0.0040	mg/L	1	10/16/07 13:24

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-009C**
Project:	Ramapo	**Client Sample ID:**	***9-05***
W Order:	0710067	**Collection Date:**	10/09/07 15:05
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000049	J	0.00020	0.000026	mg/L	1	10/19/07 13:55

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:03 312823 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-010C
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0710067	**Collection Date:**	10/09/07 15:30
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30539
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.14		0.050	0.040	mg/L	1	10/16/07 13:27
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:27
Arsenic	0.0061		0.0050	0.0040	mg/L	1	10/16/07 13:27
Barium	0.024	J	0.10	0.00054	mg/L	1	10/16/07 13:27
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 13:27
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:27
Calcium	31		1.0	0.040	mg/L	1	10/16/07 13:27
Chromium	0.0043	J	0.010	0.0014	mg/L	1	10/16/07 13:27
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:27
Copper	ND		0.010	0.0019	mg/L	1	10/16/07 13:27
Iron	8.5		0.050	0.0050	mg/L	1	10/16/07 13:27
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:27
Magnesium	9.3		1.0	0.040	mg/L	1	10/16/07 13:27
Manganese	2.9		0.050	0.0015	mg/L	1	10/16/07 13:27
Nickel	0.0032	J	0.050	0.0011	mg/L	1	10/16/07 13:27
Potassium	11		5.0	0.068	mg/L	1	10/16/07 13:27
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:27
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:27
Sodium	35		1.0	0.040	mg/L	1	10/16/07 13:27
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:27
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 13:27
Zinc	ND		0.010	0.0040	mg/L	1	10/16/07 13:27

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-010C**
Project:	Ramapo	**Client Sample ID:**	***9-R***
W Order:	0710067	**Collection Date:**	10/09/07 15:30
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 13:57

Qualifiers:			
	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710067-011C**
Project:	Ramapo	**Client Sample ID:**	***DUP-10/07***
W Order:	0710067	**Collection Date:**	10/09/07 15:45
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30547
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.095		0.050	0.040	mg/L	1	10/16/07 13:55
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:55
Arsenic	0.0057		0.0050	0.0040	mg/L	1	10/16/07 13:55
Barium	0.024	J	0.10	0.00054	mg/L	1	10/16/07 13:55
Beryllium	0.00010	J	0.0030	0.00010	mg/L	1	10/16/07 13:55
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:55
Calcium	31		1.0	0.040	mg/L	1	10/16/07 13:55
Chromium	0.0036	J	0.010	0.0014	mg/L	1	10/16/07 13:55
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 13:55
Copper	ND		0.010	0.0019	mg/L	1	10/16/07 13:55
Iron	8.4		0.050	0.0050	mg/L	1	10/16/07 13:55
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:55
Magnesium	9.1		1.0	0.040	mg/L	1	10/16/07 13:55
Manganese	2.9		0.050	0.0015	mg/L	1	10/16/07 13:55
Nickel	0.0032	J	0.050	0.0011	mg/L	1	10/16/07 13:55
Potassium	11		5.0	0.068	mg/L	1	10/16/07 13:55
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:55
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:55
Sodium	35		1.0	0.040	mg/L	1	10/16/07 13:55
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:55
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 13:55
Zinc	ND		0.010	0.0040	mg/L	1	10/16/07 13:55

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710067-011C
Project:	Ramapo	**Client Sample ID:**	*DUP-10/07*
W Order:	0710067	**Collection Date:**	10/09/07 15:45
Matrix:	GROUNDWATER	**Date Received:**	10/10/07 8:50
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 14:03

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-001C**
Project:	Ramapo	**Client Sample ID:**	*7-0S*
W Order:	0710076	**Collection Date:**	10/10/07 11:45
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30548
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	7.9		0.050	0.040	mg/L	1	10/16/07 13:59
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 13:59
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 13:59
Barium	0.075	J	0.10	0.00054	mg/L	1	10/16/07 13:59
Beryllium	0.00051	J	0.0030	0.00010	mg/L	1	10/16/07 13:59
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 13:59
Calcium	39		1.0	0.040	mg/L	1	10/16/07 13:59
Chromium	0.096		0.010	0.0014	mg/L	1	10/16/07 13:59
Cobalt	0.11		0.010	0.0060	mg/L	1	10/16/07 13:59
Copper	0.018		0.010	0.0019	mg/L	1	10/16/07 13:59
Iron	13		0.050	0.0050	mg/L	1	10/16/07 13:59
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 13:59
Magnesium	10		1.0	0.040	mg/L	1	10/16/07 13:59
Manganese	0.92		0.050	0.0015	mg/L	1	10/16/07 13:59
Nickel	0.026	J	0.050	0.0011	mg/L	1	10/16/07 13:59
Potassium	5.7		5.0	0.068	mg/L	1	10/16/07 13:59
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 13:59
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 13:59
Sodium	7.7		1.0	0.040	mg/L	1	10/16/07 13:59
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 13:59
Vanadium	0.017	J	0.050	0.00066	mg/L	1	10/16/07 13:59
Zinc	0.024		0.010	0.0040	mg/L	1	10/16/07 13:59

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-001C**
Project:	Ramapo	**Client Sample ID:**	*7-0S*
W Order:	0710076	**Collection Date:**	10/10/07 11:45
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000049	J	0.00020	0.000026	mg/L	1	10/19/07 14:10

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-002C**
Project:	Ramapo	**Client Sample ID:**	***8-I***
W Order:	0710076	**Collection Date:**	10/10/07 9:20
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30549
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	10		0.050	0.040	mg/L	1	10/16/07 14:02
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 14:02
Arsenic	0.015		0.0050	0.0040	mg/L	1	10/16/07 14:02
Barium	0.11		0.10	0.00054	mg/L	1	10/16/07 14:02
Beryllium	0.00067	J	0.0030	0.00010	mg/L	1	10/16/07 14:02
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:02
Calcium	51		1.0	0.040	mg/L	1	10/16/07 14:02
Chromium	0.041		0.010	0.0014	mg/L	1	10/16/07 14:02
Cobalt	0.015		0.010	0.0060	mg/L	1	10/16/07 14:02
Copper	0.029		0.010	0.0019	mg/L	1	10/16/07 14:02
Iron	39		0.050	0.0050	mg/L	1	10/16/07 14:02
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 14:02
Magnesium	18		1.0	0.040	mg/L	1	10/16/07 14:02
Manganese	2.2		0.050	0.0015	mg/L	1	10/16/07 14:02
Nickel	0.024	J	0.050	0.0011	mg/L	1	10/16/07 14:02
Potassium	23		5.0	0.068	mg/L	1	10/16/07 14:02
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 14:02
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:02
Sodium	55		1.0	0.040	mg/L	1	10/16/07 14:02
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 14:02
Vanadium	0.026	J	0.050	0.00066	mg/L	1	10/16/07 14:02
Zinc	0.035		0.010	0.0040	mg/L	1	10/16/07 14:02

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-002C**
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0710076	**Collection Date:**	10/10/07 9:20
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000033	J	0.00020	0.000026	mg/L	1	10/19/07 14:12

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:13 312831 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-003C**
Project:	Ramapo	**Client Sample ID:**	***8-R***
W Order:	0710076	**Collection Date:**	10/10/07 10:30
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30550
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.066		0.050	0.040	mg/L	1	10/16/07 14:06
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 14:06
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 14:06
Barium	0.019	J	0.10	0.00054	mg/L	1	10/16/07 14:06
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 14:06
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:06
Calcium	160		1.0	0.040	mg/L	1	10/16/07 14:06
Chromium	0.011		0.010	0.0014	mg/L	1	10/16/07 14:06
Cobalt	0.0093	J	0.010	0.0060	mg/L	1	10/16/07 14:06
Copper	0.0029	J	0.010	0.0019	mg/L	1	10/16/07 14:06
Iron	1.3		0.050	0.0050	mg/L	1	10/16/07 14:06
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 14:06
Magnesium	39		1.0	0.040	mg/L	1	10/16/07 14:06
Manganese	1.9		0.050	0.0015	mg/L	1	10/16/07 14:06
Nickel	0.015	J	0.050	0.0011	mg/L	1	10/16/07 14:06
Potassium	5.6		5.0	0.068	mg/L	1	10/16/07 14:06
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 14:06
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:06
Sodium	48		1.0	0.040	mg/L	1	10/16/07 14:06
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 14:06
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 14:06
Zinc	ND		0.010	0.0040	mg/L	1	10/16/07 14:06

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-003C**
Project:	Ramapo	**Client Sample ID:**	***8-R***
W Order:	0710076	**Collection Date:**	10/10/07 10:30
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 14:14

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0710076-004C
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0710076	**Collection Date:**	10/10/07 9:45
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30551
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.089		0.050	0.040	mg/L	1	10/16/07 14:10
Antimony	ND		0.0030	0.0015	mg/L	1	10/16/07 14:10
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 14:10
Barium	0.014	J	0.10	0.00054	mg/L	1	10/16/07 14:10
Beryllium	ND		0.0030	0.00010	mg/L	1	10/16/07 14:10
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:10
Calcium	24		1.0	0.040	mg/L	1	10/16/07 14:10
Chromium	0.085		0.010	0.0014	mg/L	1	10/16/07 14:10
Cobalt	ND		0.010	0.0060	mg/L	1	10/16/07 14:10
Copper	ND		0.010	0.0019	mg/L	1	10/16/07 14:10
Iron	0.78		0.050	0.0050	mg/L	1	10/16/07 14:10
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 14:10
Magnesium	5.1		1.0	0.040	mg/L	1	10/16/07 14:10
Manganese	2.0		0.050	0.0015	mg/L	1	10/16/07 14:10
Nickel	0.014	J	0.050	0.0011	mg/L	1	10/16/07 14:10
Potassium	2.0	J	5.0	0.068	mg/L	1	10/16/07 14:10
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 14:10
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:10
Sodium	15		1.0	0.040	mg/L	1	10/16/07 14:10
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 14:10
Vanadium	ND		0.050	0.00066	mg/L	1	10/16/07 14:10
Zinc	0.0052	J	0.010	0.0040	mg/L	1	10/16/07 14:10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-004C**
Project:	Ramapo	**Client Sample ID:**	***8-OS***
W Order:	0710076	**Collection Date:**	10/10/07 9:45
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 14:17

Qualifiers:					
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-005C**
Project:	Ramapo	**Client Sample ID:**	***3-05/I***
W Order:	0710076	**Collection Date:**	10/10/07 12:05
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30552
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	0.52		0.050	0.040	mg/L	1	10/16/07 14:13
Antimony	0.0084		0.0030	0.0015	mg/L	1	10/16/07 14:13
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 14:13
Barium	0.034	J	0.10	0.00054	mg/L	1	10/16/07 14:13
Beryllium	0.00010	J	0.0030	0.00010	mg/L	1	10/16/07 14:13
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:13
Calcium	110		1.0	0.040	mg/L	1	10/16/07 14:13
Chromium	3.4		0.010	0.0014	mg/L	1	10/16/07 14:13
Cobalt	0.017		0.010	0.0060	mg/L	1	10/16/07 14:13
Copper	0.027		0.010	0.0019	mg/L	1	10/16/07 14:13
Iron	25		0.050	0.0050	mg/L	1	10/16/07 14:13
Lead	ND		0.0050	0.0040	mg/L	1	10/16/07 14:13
Magnesium	14		1.0	0.040	mg/L	1	10/16/07 14:13
Manganese	4.4		0.050	0.0015	mg/L	1	10/16/07 14:13
Nickel	0.73		0.050	0.0011	mg/L	1	10/16/07 14:13
Potassium	3.2	J	5.0	0.068	mg/L	1	10/16/07 14:13
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 14:13
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:13
Sodium	23		1.0	0.040	mg/L	1	10/16/07 14:13
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 14:13
Vanadium	0.011	J	0.050	0.00066	mg/L	1	10/16/07 14:13
Zinc	0.0065	J	0.010	0.0040	mg/L	1	10/16/07 14:13

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-005C**
Project:	Ramapo	**Client Sample ID:**	***3-05/I***
W Order:	0710076	**Collection Date:**	10/10/07 12:05
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 14:19

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-006C**
Project:	Ramapo	**Client Sample ID:**	***1-OS/I***
W Order:	0710076	**Collection Date:**	10/10/07 12:55
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30553
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	47		0.050	0.040	mg/L	1	10/16/07 14:17
Antimony	0.0096		0.0030	0.0015	mg/L	1	10/16/07 14:17
Arsenic	0.031		0.0050	0.0040	mg/L	1	10/16/07 14:17
Barium	0.45		0.10	0.00054	mg/L	1	10/16/07 14:17
Beryllium	0.0026	J	0.0030	0.00010	mg/L	1	10/16/07 14:17
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:17
Calcium	80		1.0	0.040	mg/L	1	10/16/07 14:17
Chromium	0.53		0.010	0.0014	mg/L	1	10/16/07 14:17
Cobalt	0.081		0.010	0.0060	mg/L	1	10/16/07 14:17
Copper	0.14		0.010	0.0019	mg/L	1	10/16/07 14:17
Iron	160		0.050	0.0050	mg/L	1	10/16/07 14:17
Lead	0.044		0.0050	0.0040	mg/L	1	10/16/07 14:17
Magnesium	30		1.0	0.040	mg/L	1	10/16/07 14:17
Manganese	5.1		0.050	0.0015	mg/L	1	10/16/07 14:17
Nickel	0.75		0.050	0.0011	mg/L	1	10/16/07 14:17
Potassium	14		5.0	0.068	mg/L	1	10/16/07 14:17
Selenium	0.0071		0.0050	0.0026	mg/L	1	10/16/07 14:17
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:17
Sodium	76		1.0	0.040	mg/L	1	10/16/07 14:17
Thallium	0.0099	J	0.010	0.0059	mg/L	1	10/16/07 14:17
Vanadium	0.15		0.050	0.00066	mg/L	1	10/16/07 14:17
Zinc	0.21		0.010	0.0040	mg/L	1	10/16/07 14:17

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-006C**
Project:	Ramapo	**Client Sample ID:**	***1-OS/I***
W Order:	0710076	**Collection Date:**	10/10/07 12:55
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.00011	J	0.00020	0.000026	mg/L	1	10/19/07 14:21

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-007C**
Project:	Ramapo	**Client Sample ID:**	***2-OS***
W Order:	0710076	**Collection Date:**	10/10/07 16:00
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30554
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	12		0.050	0.040	mg/L	1	10/16/07 14:20
Antimony	0.0024	J	0.0030	0.0015	mg/L	1	10/16/07 14:20
Arsenic	0.0062		0.0050	0.0040	mg/L	1	10/16/07 14:20
Barium	0.11		0.10	0.00054	mg/L	1	10/16/07 14:20
Beryllium	0.00066	J	0.0030	0.00010	mg/L	1	10/16/07 14:20
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:20
Calcium	97		1.0	0.040	mg/L	1	10/16/07 14:20
Chromium	0.25		0.010	0.0014	mg/L	1	10/16/07 14:20
Cobalt	0.047		0.010	0.0060	mg/L	1	10/16/07 14:20
Copper	0.035		0.010	0.0019	mg/L	1	10/16/07 14:20
Iron	31		0.050	0.0050	mg/L	1	10/16/07 14:20
Lead	0.022		0.0050	0.0040	mg/L	1	10/16/07 14:20
Magnesium	22		1.0	0.040	mg/L	1	10/16/07 14:20
Manganese	3.5		0.050	0.0015	mg/L	1	10/16/07 14:20
Nickel	0.15		0.050	0.0011	mg/L	1	10/16/07 14:20
Potassium	4.6	J	5.0	0.068	mg/L	1	10/16/07 14:20
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 14:20
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:20
Sodium	12		1.0	0.040	mg/L	1	10/16/07 14:20
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 14:20
Vanadium	0.031	J	0.050	0.00066	mg/L	1	10/16/07 14:20
Zinc	0.053		0.010	0.0040	mg/L	1	10/16/07 14:20

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-007C**
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0710076	**Collection Date:**	10/10/07 16:00
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	0.000037	J	0.00020	0.000026	mg/L	1	10/19/07 14:23

Qualifiers:			
	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-008C**
Project:	Ramapo	**Client Sample ID:**	***4-OS***
W Order:	0710076	**Collection Date:**	10/10/07 16:20
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 10/15/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6368/R11517
Revision:	10/22/07 11:37	**TestCode:** 6010W05	**FileID:** 1-SAMP-30558
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3005A)**
Aluminum	9.8		0.050	0.040	mg/L	1	10/16/07 14:34
Antimony	0.0018	J	0.0030	0.0015	mg/L	1	10/16/07 14:34
Arsenic	ND		0.0050	0.0040	mg/L	1	10/16/07 14:34
Barium	0.084	J	0.10	0.00054	mg/L	1	10/16/07 14:34
Beryllium	0.00060	J	0.0030	0.00010	mg/L	1	10/16/07 14:34
Cadmium	ND		0.0010	0.00042	mg/L	1	10/16/07 14:34
Calcium	58		1.0	0.040	mg/L	1	10/16/07 14:34
Chromium	0.27		0.010	0.0014	mg/L	1	10/16/07 14:34
Cobalt	0.013		0.010	0.0060	mg/L	1	10/16/07 14:34
Copper	0.023		0.010	0.0019	mg/L	1	10/16/07 14:34
Iron	24		0.050	0.0050	mg/L	1	10/16/07 14:34
Lead	0.0042	J	0.0050	0.0040	mg/L	1	10/16/07 14:34
Magnesium	20		1.0	0.040	mg/L	1	10/16/07 14:34
Manganese	2.7		0.050	0.0015	mg/L	1	10/16/07 14:34
Nickel	0.068		0.050	0.0011	mg/L	1	10/16/07 14:34
Potassium	4.1	J	5.0	0.068	mg/L	1	10/16/07 14:34
Selenium	ND		0.0050	0.0026	mg/L	1	10/16/07 14:34
Silver	ND		0.010	0.00090	mg/L	1	10/16/07 14:34
Sodium	24		1.0	0.040	mg/L	1	10/16/07 14:34
Thallium	ND		0.010	0.0059	mg/L	1	10/16/07 14:34
Vanadium	0.027	J	0.050	0.00066	mg/L	1	10/16/07 14:34
Zinc	0.036		0.010	0.0040	mg/L	1	10/16/07 14:34

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0710076-008C**
Project:	Ramapo	**Client Sample ID:**	***4-OS***
W Order:	0710076	**Collection Date:**	10/10/07 16:20
Matrix:	GROUNDWATER	**Date Received:**	10/11/07 8:35
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 10/18/07 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 6393/R11556
Revision:	10/19/07 16:47	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7470A**		**(SW7470A)**
Mercury	ND		0.00020	0.000026	mg/L	1	10/19/07 14:25

Qualifiers:	* Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
	J Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
	P Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-001A
Client Sample ID: *SVWC-93*
Collection Date: 10/09/07 10:45
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			**EPA 410.4**			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:55
KJELDAHL NITROGEN - TOTAL (AS N)			**EPA 351.2**		**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-001B
Client Sample ID: *SVWC-93*
Collection Date: 10/09/07 10:45
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	58		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-001C
Client Sample ID: *SVWC-93*
Collection Date: 10/09/07 10:45
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	88		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-002A
Client Sample ID: *SVWC-94*
Collection Date: 10/09/07 11:00
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:55
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-002B
Client Sample ID: *SVWC-94*
Collection Date: 10/09/07 11:00
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	52		10	mg/L	1	10/15/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-002C
Client Sample ID: *SVWC-94*
Collection Date: 10/09/07 11:00
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)			EPA 130.2			
Hardness (As CaCO3)	92		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-003A
Client Sample ID: *SVWC-95*
Collection Date: 10/09/07 11:10
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:55
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-003B
Client Sample ID: *SVWC-95*
Collection Date: 10/09/07 11:10
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	62		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-003C
Client Sample ID: *SVWC-95*
Collection Date: 10/09/07 11:10
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	100		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-004A
Client Sample ID: *SVWC-96*
Collection Date: 10/09/07 11:25
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:55
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-004B
Client Sample ID: *SVWC-96*
Collection Date: 10/09/07 11:25
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	50		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-004C
Client Sample ID: *SVWC-96*
Collection Date: 10/09/07 11:25
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	80		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-005A
Client Sample ID: *S-05*
Collection Date: 10/09/07 14:20
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:55
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-005B
Client Sample ID: *S-05*
Collection Date: 10/09/07 14:20
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				**EPA 310.1**		
Alkalinity, as CaCO3	50		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-005C
Client Sample ID: *S-05*
Collection Date: 10/09/07 14:20
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	52		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-006A
Client Sample ID: 9-I
Collection Date: 10/09/07 15:50
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:57
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-006B
Client Sample ID: *9-I*
Collection Date: 10/09/07 15:50
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3			EPA 310.1			
Alkalinity, as CaCO3	18		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-006C
Client Sample ID: *9-I*
Collection Date: 10/09/07 15:50
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	32		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-007A
Client Sample ID: *PW-1*
Collection Date: 10/09/07 15:55
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	55		10	mg/L	1	10/23/07 13:57
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-007B
Client Sample ID: *PW-1*
Collection Date: 10/09/07 15:55
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	20		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-007C
Client Sample ID: *PW-1*
Collection Date: 10/09/07 15:55
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	32		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-008A
Client Sample ID: *PW-2*
Collection Date: 10/09/07 16:25
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:57
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	ND		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-008B
Client Sample ID: *PW-2*
Collection Date: 10/09/07 16:25
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				**EPA 310.1**		
Alkalinity, as CaCO3	50		10	mg/L	1	10/15/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-008C
Client Sample ID: *PW-2*
Collection Date: 10/09/07 16:25
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	64		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-009A
Client Sample ID: 9-05
Collection Date: 10/09/07 15:05
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				EPA 410.4		
Chemical Oxygen Demand	120		20	mg/L	2	10/23/07 15:20
KJELDAHL NITROGEN - TOTAL (AS N)				EPA 351.2	(E351.2)	
Kjeldahl Nitrogen - Total (as N)	3.2		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-009B
Client Sample ID: 9-05
Collection Date: 10/09/07 15:05
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	14		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-009C
Client Sample ID: *9-05*
Collection Date: 10/09/07 15:05
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)			EPA 130.2			
Hardness (As CaCO3)	32		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-010A
Client Sample ID: 9-R
Collection Date: 10/09/07 15:30
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 13:59
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	5.9		0.40	mg/L	2	10/22/07 15:01

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-010B
Client Sample ID: 9-R
Collection Date: 10/09/07 15:30
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	130		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-010C
Client Sample ID: 9-R
Collection Date: 10/09/07 15:30
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	120		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:48

Project Supervisor: Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-011A
Client Sample ID: *DUP-10/07*
Collection Date: 10/09/07 15:45
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			**EPA 410.4**			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 14:01
KJELDAHL NITROGEN - TOTAL (AS N)			**EPA 351.2**		**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	5.9		0.40	mg/L	2	10/22/07 15:01

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-011B
Client Sample ID: *DUP-10/07*
Collection Date: 10/09/07 15:45
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	130		10	mg/L	1	10/15/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:48

Project Supervisor: Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710067
Matrix: GROUNDWATER

Lab ID: 0710067-011C
Client Sample ID: *DUP-10/07*
Collection Date: 10/09/07 15:45
Date Received: 10/10/07 8:50

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	120		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-001A
Client Sample ID: 7-0S
Collection Date: 10/10/07 11:45
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 14:02
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	0.36		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:49

Project Supervisor: Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-001B
Client Sample ID: *7-0S*
Collection Date: 10/10/07 11:45
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3			**EPA 310.1**			
Alkalinity, as CaCO3	110		10	mg/L	1	10/20/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-001C
Client Sample ID: *7-0S*
Collection Date: 10/10/07 11:45
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	130		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:50

Project Supervisor: Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-002A
Client Sample ID: *8-I*
Collection Date: 10/10/07 9:20
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	53		10	mg/L	1	10/23/07 14:02
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	14		1.0	mg/L	5	10/22/07 15:01

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-002B
Client Sample ID: *8-I*
Collection Date: 10/10/07 9:20
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	230		10	mg/L	1	10/20/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-002C
Client Sample ID: *8-I*
Collection Date: 10/10/07 9:20
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)			**EPA 130.2**			
Hardness (As CaCO3)	190		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-003A
Client Sample ID: *8-R*
Collection Date: 10/10/07 10:30
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	11		10	mg/L	1	10/23/07 14:03
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	3.0		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-003B
Client Sample ID: *8-R*
Collection Date: 10/10/07 10:30
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	490		10	mg/L	1	10/20/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-003C
Client Sample ID: *8-R*
Collection Date: 10/10/07 10:30
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	570		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Print Date: 10/24/07 15:50

Project Supervisor: Anthony Crescenzi

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-004A
Client Sample ID: *8-OS*
Collection Date: 10/10/07 9:45
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			**EPA 410.4**			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 14:04
KJELDAHL NITROGEN - TOTAL (AS N)			**EPA 351.2**		**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	0.31		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-004B
Client Sample ID: *8-OS*
Collection Date: 10/10/07 9:45
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	74		10	mg/L	1	10/20/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-004C
Client Sample ID: *8-OS*
Collection Date: 10/10/07 9:45
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	80		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-005A
Client Sample ID: *3-05/I*
Collection Date: 10/10/07 12:05
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	ND		10	mg/L	1	10/23/07 14:04
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	0.23		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-005B
Client Sample ID: *3-05/I*
Collection Date: 10/10/07 12:05
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				**EPA 310.1**		
Alkalinity, as CaCO3	270		10	mg/L	1	10/20/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-005C
Client Sample ID: *3-05/I*
Collection Date: 10/10/07 12:05
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	340		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-006A
Client Sample ID: *1-OS/I*
Collection Date: 10/10/07 12:55
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			**EPA 410.4**			
Chemical Oxygen Demand	75		10	mg/L	1	10/23/07 14:56
KJELDAHL NITROGEN - TOTAL (AS N)			**EPA 351.2**		**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	1.7		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-006B
Client Sample ID: *1-OS/I*
Collection Date: 10/10/07 12:55
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	170		10	mg/L	1	10/20/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-006C
Client Sample ID: *1-OS/I*
Collection Date: 10/10/07 12:55
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)			EPA 130.2			
Hardness (As CaCO3)	440		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-007A
Client Sample ID: *2-OS*
Collection Date: 10/10/07 16:00
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	33		10	mg/L	1	10/23/07 14:56
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	0.32		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-007B
Client Sample ID: *2-OS*
Collection Date: 10/10/07 16:00
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				EPA 310.1		
Alkalinity, as CaCO3	250		10	mg/L	1	10/20/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-007C
Client Sample ID: *2-OS*
Collection Date: 10/10/07 16:00
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	320		10	mg/L	1	10/13/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-008A
Client Sample ID: *4-OS*
Collection Date: 10/10/07 16:20
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD			EPA 410.4			
Chemical Oxygen Demand	28		10	mg/L	1	10/23/07 14:57
KJELDAHL NITROGEN - TOTAL (AS N)			EPA 351.2		(E351.2)	
Kjeldahl Nitrogen - Total (as N)	0.25		0.20	mg/L	1	10/22/07 15:00

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-008B
Client Sample ID: *4-OS*
Collection Date: 10/10/07 16:20
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, AS CACO3				**EPA 310.1**		
Alkalinity, as CaCO3	130		10	mg/L	1	10/20/07

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- P Prim./Conf. column %D or RPD exceeds limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Practical Quantitation Limit (PQL)
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
East Syracuse , NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
W Order: 0710076
Matrix: GROUNDWATER

Lab ID: 0710076-008C
Client Sample ID: *4-OS*
Collection Date: 10/10/07 16:20
Date Received: 10/11/07 8:35

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				EPA 130.2		
Hardness (As CaCO3)	230		10	mg/L	1	10/13/07

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value exceeds the instrument calibration range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below the PQL	ND	Not Detected at the Practical Quantitation Limit (PQL)
P	Prim./Conf. column %D or RPD exceeds limit	S	Spike Recovery outside accepted recovery limits

Quality Control Results

GC/MS Volatile Organics Data

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-11552	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	11552
Client ID: ZZZZZ	Batch ID: R11552	Method: SW8260B		Analysis Date: 10/15/2007		SeqNo:	312635
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.500									
Benzene	ND	0.500									
Chlorobenzene	ND	0.500									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	10.3	0.100	10	0	103	75	134				
Surr: 4-Bromofluorobenzene	10.2	0.100	10	0	102	75	125				
Surr: Dibromofluoromethane	10.5	0.100	10	0	105	75	127				
Surr: Toluene-d8	10.9	0.100	10	0	109	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0710076
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-11553	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 11553
Client ID: ZZZZZ	Batch ID: R11553	Method: SW8260B		Analysis Date: 10/16/2007	SeqNo: 312701
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df			

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	ND	0.500									
Benzene	ND	0.500									
Chlorobenzene	ND	0.500									
Vinyl chloride	ND	1.00									
Surr: 1,2-Dichloroethane-d4	10.3	0.100	10	0	103	75	134				
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125				
Surr: Dibromofluoromethane	10.2	0.100	10	0	102	75	127				
Surr: Toluene-d8	10.8	0.100	10	0	108	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

19-Oct-07

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: 0710067-010DMS	SampType: MS	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	11552
Client ID: 9-R	Batch ID: R11552	Method: SW8260B		Analysis Date: 10/15/2007		SeqNo:	312633
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.2	0.500	10	0	103	70	130				
Benzene	9.93	0.500	10	0	99	70	132				
Chlorobenzene	10.3	0.500	10	0	103	69	130				
Vinyl chloride	9.59	1.00	10	0	96	70	130				
Surr: 1,2-Dichloroethane-d4	9.51	0.100	10	0	95	75	134				
Surr: 4-Bromofluorobenzene	9.99	0.100	10	0	100	75	125				
Surr: Dibromofluoromethane	10.2	0.100	10	0	103	75	127				
Surr: Toluene-d8	10.7	0.100	10	0	107	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: 0710067-010DMSD	SampType: MSD	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	11552
Client ID: 9-R	Batch ID: R11552	Method: SW8260B		Analysis Date: 10/15/2007		SeqNo:	312634
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.1	0.500	10	0	101	70	130	10.2	1	20	
Benzene	10.0	0.500	10	0	100	70	132	9.93	1	20	
Chlorobenzene	10.4	0.500	10	0	104	69	130	10.3	1	20	
Vinyl chloride	9.56	1.00	10	0	96	70	130	9.59	0	20	
Surr: 1,2-Dichloroethane-d4	9.61	0.100	10	0	96	75	134	0		0	
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125	0		0	
Surr: Dibromofluoromethane	10.5	0.100	10	0	105	75	127	0		0	
Surr: Toluene-d8	10.8	0.100	10	0	108	75	125	0		0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-11552 SampType: LCS TestCode: 8260W Units: µg/L Prep Date: RunNo: 11552
Client ID: ZZZZZ Batch ID: R11552 Method: SW8260B Analysis Date: 10/15/2007 SeqNo: 312631
Instrument: MS02_12 ColumnID: Rtx-502.2 Rtx-502.2, 3.0 df

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.4	0.500	10	0	104	80	120				
Benzene	9.97	0.500	10	0	100	80	120				
Chlorobenzene	9.93	0.500	10	0	99	80	120				
Vinyl chloride	9.96	1.00	10	0	100	75	125				
Surr: 1,2-Dichloroethane-d4	9.43	0.100	10	0	94	75	134				
Surr: 4-Bromofluorobenzene	9.99	0.100	10	0	100	75	125				
Surr: Dibromofluoromethane	10.4	0.100	10	0	104	75	127				
Surr: Toluene-d8	10.7	0.100	10	0	107	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0710076
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-11553	SampType: LCS	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	11553
Client ID: ZZZZZ	Batch ID: R11553	Method: SW8260B		Analysis Date: 10/16/2007		SeqNo:	312699
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.6	0.500	10	0	106	80	120				
Benzene	10.4	0.500	10	0	104	80	120				
Chlorobenzene	10.4	0.500	10	0	104	80	120				
Vinyl chloride	10.6	1.00	10	0	106	75	125				
Surr: 1,2-Dichloroethane-d4	10.0	0.100	10	0	100	75	134				
Surr: 4-Bromofluorobenzene	10.2	0.100	10	0	102	75	125				
Surr: Dibromofluoromethane	10.5	0.100	10	0	105	75	127				
Surr: Toluene-d8	10.8	0.100	10	0	108	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

19-Oct-07

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B

Work Order: 0710076

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: LCSD-11553	SampType: LCSD	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	11553
Client ID: ZZZZZ	Batch ID: R11553	Method: SW8260B		Analysis Date: 10/16/2007		SeqNo:	312700
Instrument: MS02_12	ColumnID: Rtx-502.2	Rtx-502.2, 3.0 df					

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.8	0.500	10	0	108	80	120	10.6	2	20	
Benzene	10.5	0.500	10	0	105	80	120	10.4	1	20	
Chlorobenzene	10.4	0.500	10	0	104	80	120	10.4	0	20	
Vinyl chloride	10.7	1.00	10	0	107	75	125	10.6	1	20	
Surr: 1,2-Dichloroethane-d4	9.81	0.100	10	0	98	75	134	0		0	
Surr: 4-Bromofluorobenzene	10.3	0.100	10	0	103	75	125	0		0	
Surr: Dibromofluoromethane	10.6	0.100	10	0	106	75	127	0		0	
Surr: Toluene-d8	11.1	0.100	10	0	111	75	125	0		0	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Trace Metals Data

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0710067-010CMS	SampType: MS	TestCode: 6010W05	Units: mg/L	Prep Date: 10/15/07	RunNo: 11517		
Client ID: 9-R	Batch ID: 6368	Method: SW6010B	(SW3005A)	Analysis Date: 10/16/07	SeqNo: 311964		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.11	0.050	1	0.142	96	80	122				
Antimony	0.202	0.0030	0.2	0	101	80	120				
Arsenic	0.208	0.0050	0.2	0.00608	101	80	120				
Barium	0.216	0.10	0.2	0.0243	96	77	122				
Beryllium	0.199	0.0030	0.2	0	100	80	120				
Cadmium	0.194	0.0010	0.2	0	97	80	120				
Calcium	41.0	1.0	10	30.8	101	60	140				
Chromium	0.202	0.010	0.2	0.00432	99	80	120				
Cobalt	0.197	0.010	0.2	0	98	78	120				
Copper	0.200	0.010	0.2	0	100	80	120				
Iron	8.93	0.050	1	8.45	48	67	130				S
Lead	0.199	0.0050	0.2	0	99	80	120				
Magnesium	18.9	1.0	10	9.27	96	73	120				
Manganese	3.11	0.050	0.2	2.95	81	77	120				
Nickel	0.202	0.050	0.2	0.00316	99	80	120				
Potassium	21.1	5.0	10	11.2	99	78	140				
Selenium	0.198	0.0050	0.2	0	99	76	121				
Silver	0.0480	0.010	0.05	0	96	80	120				
Sodium	44.9	1.0	10	35	99	60	140				
Thallium	0.201	0.010	0.2	0	100	76	120				
Vanadium	0.200	0.050	0.2	0	100	80	120				
Zinc	0.204	0.010	0.2	0	102	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0710067-010CMSD	SampType: MSD	TestCode: 6010W05	Units: mg/L	Prep Date: 10/16/07	RunNo: 11517		
Client ID: 9-R	Batch ID: 6368	Method: SW6010B	(SW3005A)	Analysis Date: 10/16/07	SeqNo: 311965		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.02	0.050	1	0.142	87	80	122	1.11	8	10	
Antimony	0.183	0.0030	0.2	0	92	80	120	0.202	10	10	
Arsenic	0.190	0.0050	0.2	0.00608	92	80	120	0.208	9	10	
Barium	0.197	0.10	0.2	0.0243	87	77	122	0.216	9	10	
Beryllium	0.181	0.0030	0.2	0	91	80	120	0.199	9	10	
Cadmium	0.177	0.0010	0.2	0	88	80	120	0.194	9	10	
Calcium	37.1	1.0	10	30.8	62	60	140	41	10	10	R CT 10/24/07
Chromium	0.184	0.010	0.2	0.00432	90	80	120	0.202	10	10	
Cobalt	0.179	0.010	0.2	0	90	78	120	0.197	9	10	
Copper	0.182	0.010	0.2	0	91	80	120	0.2	9	10	
Iron	8.57	0.050	1	8.45	12	67	130	8.93	4	10	S
Lead	0.182	0.0050	0.2	0	91	80	120	0.199	9	10	
Magnesium	17.2	1.0	10	9.27	79	73	120	18.9	9	10	
Manganese	2.82	0.050	0.2	2.95	0	77	120	3.11	10	10	S
Nickel	0.184	0.050	0.2	0.00316	90	80	120	0.202	9	10	
Potassium	19.3	5.0	10	11.2	81	78	140	21.1	9	10	
Selenium	0.179	0.0050	0.2	0	90	76	121	0.198	10	10	R CT 10/24/07
Silver	0.0439	0.010	0.05	0	88	80	120	0.048	9	10	
Sodium	40.8	1.0	10	35	58	60	140	44.9	10	10	S
Thallium	0.181	0.010	0.2	0	90	76	120	0.201	10	11	
Vanadium	0.181	0.050	0.2	0	91	80	120	0.2	10	10	
Zinc	0.189	0.010	0.2	0	94	80	120	0.204	8	10	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: 0710067-010CMS	SampType: MS	TestCode: HG7470W	Units: mg/L		Prep Date: 10/18/07		RunNo: 11556		
Client ID: 9-R	Batch ID: 6393	Method: SW7470A	(SW7470A)		Analysis Date: 10/19/07		SeqNo: 312825		
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00213	0.00020	0.002	0	106	60	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0710067-010CMSD	SampType: MSD	TestCode: HG7470W	Units: mg/L	Prep Date: 10/18/07	RunNo: 11556		
Client ID: 9-R	Batch ID: 6393	Method: SW7470A	(SW7470A)	Analysis Date: 10/19/07	SeqNo: 312826		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00205	0.00020	0.002	0	102	60	140	0.00213	3.9	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: 0710067-010C	SampType: PDS	TestCode: 6010W05	Units: mg/L	Prep Date: 10/15/07		RunNo: 11517	
Client ID: 9-R	Batch ID: 6368	Method: SW6010B	(SW3005A)	Analysis Date: 10/16/07		SeqNo: 311970	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.15	0.050	1	0.142	101	75	125				
Antimony	0.207	0.0030	0.2	0	103	75	125				
Arsenic	0.209	0.0050	0.2	0.00608	101	75	125				
Barium	0.217	0.10	0.2	0.0243	96	75	125				
Beryllium	0.199	0.0030	0.2	0	99	75	125				
Cadmium	0.194	0.0010	0.2	0	97	75	125				
Calcium	40.7	1.0	10	30.8	98	75	125				
Chromium	0.204	0.010	0.2	0.00432	100	75	125				
Cobalt	0.197	0.010	0.2	0	99	75	125				
Copper	0.199	0.010	0.2	0	100	75	125				
Iron	9.33	0.050	1	8.45	88	75	125				
Lead	0.200	0.0050	0.2	0	100	75	125				
Magnesium	18.8	1.0	10	9.27	95	75	125				
Manganese	3.05	0.050	0.2	2.95	53	75	125				S
Nickel	0.203	0.050	0.2	0.00316	100	75	125				
Potassium	20.9	5.0	10	11.2	97	75	125				
Selenium	0.198	0.0050	0.2	0	99	75	125				
Silver	0.0482	0.010	0.05	0	96	75	125				
Sodium	44.6	1.0	10	35	96	75	125				
Thallium	0.203	0.010	0.2	0	101	75	125				
Vanadium	0.201	0.050	0.2	0	100	75	125				
Zinc	0.205	0.010	0.2	0	102	75	125				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-6368	SampType: LCS	TestCode: 6010W05	Units: mg/L	Prep Date: 10/15/07	RunNo: 11517		
Client ID: ZZZZZ	Batch ID: 6368	Method: SW6010B	(SW3005A)	Analysis Date: 10/16/07	SeqNo: 311949		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.00	0.050	1	0	100	85	115				
Antimony	0.204	0.0030	0.2	0	102	85	115				
Arsenic	0.205	0.0050	0.2	0	102	85	115				
Barium	0.192	0.10	0.2	0	96	85	115				
Beryllium	0.200	0.0030	0.2	0	100	85	115				
Cadmium	0.197	0.0010	0.2	0	98	85	115				
Calcium	9.68	1.0	10	0	97	85	115				
Chromium	0.202	0.010	0.2	0	101	85	115				
Cobalt	0.197	0.010	0.2	0	98	85	115				
Copper	0.199	0.010	0.2	0	99	85	115				
Iron	1.00	0.050	1	0	100	85	115				
Lead	0.202	0.0050	0.2	0	101	85	115				
Magnesium	9.85	1.0	10	0	99	85	115				
Manganese	0.199	0.050	0.2	0	100	85	115				
Nickel	0.201	0.050	0.2	0	100	85	115				
Potassium	9.99	5.0	10	0	100	85	115				
Selenium	0.199	0.0050	0.2	0	100	85	115				
Silver	0.0481	0.010	0.05	0	96	85	115				
Sodium	10.0	1.0	10	0	100	85	115				
Thallium	0.203	0.010	0.2	0	101	85	115				
Vanadium	0.201	0.050	0.2	0	101	85	115				
Zinc	0.205	0.010	0.2	0	103	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

171 : *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: LCS-6393	SampType: LCS	TestCode: HG7470W	Units: mg/L	Prep Date: 10/18/07		RunNo: 11556	
Client ID: ZZZZZ	Batch ID: 6393	Method: SW7470A	(SW7470A)	Analysis Date: 10/19/07		SeqNo: 312812	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00511	0.00020	0.005	0	102	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-6368	SampType: MBLK	TestCode: 6010W05	Units: mg/L	Prep Date: 10/15/07	RunNo: 11517		
Client ID: ZZZZZ	Batch ID: 6368	Method: SW6010B	(SW3005A)	Analysis Date: 10/16/07	SeqNo: 311948		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.050									
Antimony	ND	0.0030									
Arsenic	ND	0.0050									
Barium	ND	0.10									
Beryllium	ND	0.0030									
Cadmium	ND	0.0010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.010									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.0050									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.0050									
Silver	ND	0.010									
Sodium	ND	1.0									
Thallium	ND	0.010									
Vanadium	ND	0.050									
Zinc	ND	0.010									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID:	MB-6393	SampType:	MBLK	TestCode:	HG7470W	Units:	mg/L	Prep Date:	10/18/07		RunNo:	11556	
Client ID:	ZZZZZ	Batch ID:	6393	Method:	SW7470A		(SW7470A)	Analysis Date:	10/19/07		SeqNo:	312811	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0000393	0.00020									J

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Wet Chemistry Data

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: **0710067-010AMS**	SampType: **MS**	TestCode: **COD410.4**	Units: **mg/L**	Prep Date:		RunNo: **11594**			
Client ID: **9-R**	Batch ID: **R11594**	Method: **EPA 410.4**		Analysis Date: **10/23/2007**		SeqNo: **313506**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	52.5	10	50	4.1	97	60	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: 0710067-010AMSD	SampType: MSD	TestCode: COD410.4	Units: mg/L	Prep Date:			RunNo: 11594		
Client ID: 9-R	Batch ID: R11594	Method: EPA 410.4		Analysis Date: 10/23/2007			SeqNo: 313507		
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	54.7	10	50	4.1	101	60	140	52.5	4.1	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

te: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2

Work Order: 0710067

Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0710067-010AMS	SampType: MS	TestCode: TKN351.2	Units: mg/L	Prep Date: 10/22/2007	RunNo: 11587				
Client ID: 9-R	Batch ID: 6419	Method: EPA 351.2	(E351.2)	Analysis Date: 10/22/2007	SeqNo: 313421				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	7.84	0.400	2	5.85	99	60	140				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0710067-010AMSD	SampType: MSD	TestCode: TKN351.2	Units: mg/L	Prep Date: 10/22/2007	RunNo: 11587				
Client ID: 9-R	Batch ID: 6419	Method: EPA 351.2	(E351.2)	Analysis Date: 10/22/2007	SeqNo: 313422				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	8.07	0.400	2	5.85	111	60	140	7.84	3.0	20	E

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID:	0710067-010BDUP	SampType:	DUP	TestCode:	ALK310.1	Units:	mg/L	Prep Date:		RunNo:	11479
Client ID:	9-R	Batch ID:	R11479	Method:	EPA 310.1			Analysis Date:	10/15/2007	SeqNo:	311289
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	134	10						132	1.5	10	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: 0710067-010CDUP	SampType: DUP	TestCode: HARD130.2	Units: mg/L		Prep Date:				RunNo: 11457		
Client ID: 9-R	Batch ID: R11457	Method: EPA 130.2			Analysis Date: 10/13/2007				SeqNo: 310793		
Instrument:	ColumnID:										

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	124	10						120	3.3	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

181

e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0710076
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R11594	SampType: LCS	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo:	11594
Client ID: ZZZZZ	Batch ID: R11594	Method: EPA 410.4		Analysis Date: 10/23/2007		SeqNo:	313493
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	74.5	10	75	0	99	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2

Work Order: 0710076

Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-6419	SampType: LCS	TestCode: TKN351.2	Units: mg/L	Prep Date: 10/22/2007	RunNo: 11587		
Client ID: ZZZZZ	Batch ID: 6419	Method: EPA 351.2	(E351.2)	Analysis Date: 10/22/2007	SeqNo: 313389		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	1.83	0.200	2	0	92	80	120				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

183 te: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID:	LCS-R11457	SampType:	LCS	TestCode:	HARD130.2	Units:	mg/L	Prep Date:		RunNo:	11457
Client ID:	ZZZZZ	Batch ID:	R11457	Method:	EPA 130.2			Analysis Date:	10/13/2007	SeqNo:	310782
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	1000	10	1000	0	100	85	115				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1

Work Order: 0710076

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: LCS-R11566	SampType: LCS	TestCode: ALK310.1	Units: mg/L	Prep Date:			RunNo:	11566	
Client ID: ZZZZZ	Batch ID: R11566	Method: EPA 310.1		Analysis Date: 10/20/2007			SeqNo:	313052	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	48.0	10	50	0	96	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

185 e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1

Work Order: 0710067

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: LCS-R11479	SampType: LCS	TestCode: ALK310.1	Units: mg/L	Prep Date:			RunNo:	11479	
Client ID: ZZZZZ	Batch ID: R11479	Method: EPA 310.1		Analysis Date: 10/16/2007			SeqNo:	311278	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	48.0	10	50	0	96	90	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

186

:e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0710076
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID:	MB-R11594	SampType:	MBLK	TestCode:	COD410.4	Units:	mg/L	Prep Date:			RunNo:	11594	
Client ID:	ZZZZZ	Batch ID:	R11594	Method:	EPA 410.4			Analysis Date:	10/23/2007		SeqNo:	313492	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

187

:e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2

Work Order: 0710076

CLIENT: Sterling Environmental Engineering, P.C.

Project: Ramapo

Sample ID: MB-6419	SampType: MBLK	TestCode: TKN351.2	Units: mg/L	Prep Date: 10/22/2007	RunNo: 11587				
Client ID: ZZZZZ	Batch ID: 6419	Method: EPA 351.2	(E351.2)	Analysis Date: 10/22/2007	SeqNo: 313388				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	ND	0.20									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

188

e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0710076
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R11457	SampType: MBLK	TestCode: HARD130.2	Units: mg/L		Prep Date:			RunNo:	11457
Client ID: ZZZZZ	Batch ID: R11457	Method: EPA 130.2			Analysis Date: 10/13/2007			SeqNo:	310781
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1
Work Order: 0710067
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID:	MB-R11479	SampType:	MBLK	TestCode:	ALK310.1	Units:	mg/L	Prep Date:				RunNo:	11479
Client ID:	ZZZZZ	Batch ID:	R11479	Method:	EPA 310.1			Analysis Date:	10/15/2007			SeqNo:	311277
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

190 e: *24-Oct-07*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1
Work Order: 0710076
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R11566	SampType: MBLK	TestCode: ALK310.1	Units: mg/L	Prep Date:			RunNo:	11566	
Client ID: ZZZZZ	Batch ID: R11566	Method: EPA 310.1		Analysis Date: 10/20/2007			SeqNo:	313051	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, as CaCO3	ND	10									

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range	J	Analyte detected below the PQL
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit	S	Spike Recovery outside accepted recovery limits
U	Not Detected at the MDC or RL				

191 e: *24-Oct-07*

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Sterling Environmental Engineering
Project: T/Ramapo
Sampled by: J. Sgambati / E. Mussman
Client Contact: J. Sgambati Phone # 518 456 4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN, COD, Alkalinity, Hardness	Analysis/Method: 1,1-dichloroethane, Vinyl chloride	Analysis/Method: Benzene, Chlorobenzene	Analysis/Method: TAL metals	Comments
SVWC-93	10/9/07	10:45	GW	Grab	6	X	X	X	X	*Antimony Method 200.8 for 0.3 ppb reporting limits
SVWC-94		11:00								
SVWC-95		11:10								
SVWC-96		11:25								
5-05		2:20								
9-I		3:50								
PW-1		3:55								
PW-2		4:25								

Relinquished by:	Date: 10/9/07 Time: 5:30	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by Lab:	Date: Time:
Shipment Method:		Airbill Number:	

Turnaround Time Required:
Routine ✓
Rush (Specify)

Comments:

Cooler Temperature:

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Sterling Environmental Engineering
Project: T/Ramapo
Sampled by: J Sgambati / E. Mossman
Client Contact: J Sgambati Phone # 518-456-4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN, COD, Alkalinity, Hardness	1,1-Dichloroethane, Vinyl Chloride	Benzene, Chlorobenzene	TAL metals				Comments
~~SVWC-93~~ 9-05	~~10/9/07~~	3:05	GW	Grab	6	X	X	X	X				*Antimony method 200.8 to 0.3 ppb reporting limit.
~~SVWC-94~~ 9-R		3:30											
~~SVWC-95~~ 9-R/MS		3:35											
~~SVWC-96~~ 9-R/MSD		3:40											
DUP-10/07		3:45											

Relinquished by:	Date: 10/9/07	Time: 5:30	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by Lab:	Date:	Time:
Shipment Method:			Airbill Number:		

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.
Brittonfield Lab

5000 Brittonfield Parkway, Suite 200
East Syracuse, New York 13057
(315) 437-0200

Chain of Custody

Client: Sterling Environmental Engineering

Project: T/Ramapo

Sampled by: J. Sgambati / E. Mussman

Client Contact: J. Sgambati Phone # 518.456-4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN, COD, Alkalinity, Hardness,	1,1-Dichloroethane, Vinyl Chloride,	Benzene, Chlorobenzene,	THM metals				Comments
7-05	10/9/07	11:45	GW	Grab	6	X	X	X	X				*Halimony method 200.8 MDL 0.3 ppb reporting limit
8-I4		9:20											
8-R5		10:30											
8-05		9:45											
3-05/I		12:05											
1-05/I		12:55											
2-05		4:00											
4-05		4:20											

Relinquished by: Ellen Mussman	Date: 10/10/07	Time: 5:00	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: Date: Time:
Shipment Method:			Airbill Number:

Turnaround Time Required:
Routine ✓
Rush (Specify)_____

Comments:

Cooler Temperature:_____

Original - Laboratory
Copy - Client