STERLING

Sterling Environmental Engineering, P.C.

October 18, 2006

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

344004

Subject: Town of Ramapo Landfill
2006 Annual Monitoring Results
STERLING File #20010

Dear Mr. Schreyer,

This letter report provides groundwater, drinking water and air monitoring results for the 2006 annual post-closure monitoring event at the Town of Ramapo Landfill Remediation Project. The New York State Department of Environmental Conservation (NYSDEC) approved a variance request on October 27, 2003 that lowered the monitoring frequency to annual for groundwater, drinking water and air monitoring.

Groundwater and private water supply samples were collected on September 12 and 13, 2006, 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, and water supply wells PW-1, PW-2, and SVWC-93 through SVWC-96. Static water level readings were obtained for all monitoring well locations. Groundwater sampling locations are shown on the attached Figure 1, "Ramapo Landfill Sample Locations." A representative from United Water New York was present during sampling of the SVWC water supply wells and you were present during the sampling of groundwater monitoring well cluster 8.

The 2006 field activities also included the annual air monitoring event.

GROUNDWATER MONITORING

Field parameters measured at the time of sampling are presented on Table 1, "Field Parameters and Water Levels". All samples were analyzed for approved post-closure "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.

Analytical results are summarized on Table 2, "Post-Closure Groundwater Quality Monitoring Analytical Results", and also includes historical analytical data for the previous three (3) sampling events. Historic analytical data for the four (4) target compounds (Benzene, Chromium, Iron and Manganese) are presented on Tables 3A through 3D. A copy of the laboratory report for the September 2006 sampling event, prepared according to NYSDEC ASP Category A reporting requirements, is attached.

24 Wade Road ✦ Latham, New York 12110 ✦ Tel: 518-456-4900 ✦ Fax: 518-456-3532
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During the September 2006 sampling event, a duplicate sample was collected from groundwater well 9-R and labeled DUP 906.

As presented on Tables 2 and 3A through 3D, the latest monitoring results are generally consistent with past results. A brief discussion of the latest monitoring results with respect to the NYSDEC Water Quality Standards and Guidance Values, TOGS 1.1.1 (June 1998) (termed Applicable or Relevant and Appropriate Requirements (ARARs) in past reports) for each well follows:

Well 1-OS:

Well 1-OS was not sampled during the October 2003 and March 2004 monitoring events due to a damaged well casing and well pipe. Compared with results from June 2005, the 2006 levels for Arsenic, Chromium, Lead, and Nickel concentrations exceed the ARARs. Consistent with June 2005 results, Iron, Manganese, Thallium and Sodium exceed the applicable ARARs. No Volatile Organic Compounds (VOCs) were detected in the sample from Well 1-OS during this monitoring event, or in the June 2005 event.

Well 2-OS:

Consistent with recent historical results, Chromium, Iron and Manganese exceed the applicable ARARs. Thallium also exceeds the applicable ARAR but did not exceed the standard during the 2004 and 2005 annual events. No VOCs were detected in the sample from Well 2-OS during this monitoring event, or in the 2003-2005 events. The reported Chromium level shows an increasing trend (52.9 ug/L in 2003 compared to 120 ug/L in 2006).

Well 3-OS/I:

Consistent with historic results, Chromium, Iron, Manganese, Nickel, Sodium and Thallium exceed the applicable ARARs. No VOCs were detected in the sample from Well 3-OS/I during this monitoring event, or in the 2003–2005 events.

Well 4-OS:

Consistent with historic and recent past results, Chromium, Iron, Manganese and Sodium exceed applicable ARARs. Additionally, Thallium is detected above the ARAR for this event. No VOCs were detected in the sample from Well 4-OS during this monitoring event, or in the 2003-2005 events.

Well 5-OS:

Well 5-OS was not sampled in June 2005 because it was dry and well 5-I was sampled instead. The 2006 results show consistent exceedance trends for Arsenic, Beryllium, Chromium, Iron, Lead, Manganese, and Nickel when compared to March 2004 results. Barium, Cadmium, Copper, Magnesium, and Thallium also exceed the applicable ARAR, which did exceed the ARARs for the October 2003 event. No VOCs were detected in the sample from Well 5-OS for this monitoring event, or for the October 2003 event.

Well 7-OS:

Consistent with historic results, Iron and Manganese exceeded the applicable ARARs. Chromium and Thallium exceed the ARARs for the 2006 event. No VOCs were detected in the sample from Well 7-OS during this monitoring event, or in the 2003-2005 events.

Well 8-OS:

Consistent with historic analytical results, Iron exceeds the applicable ARARs. The reported Manganese level is less than the ARAR for this parameter, compared with the 2004 and 2005 events, where the reported levels exceed the ARAR. Chromium, Sodium, and Thallium exceed the ARARs for the 2006 event. No VOCs were detected in the sample from Well 8-OS during this monitoring event, or in 2003–2005 events.

Well 8-I:

Consistent with recent historic analytical results, Iron, Manganese, Sodium, and Thallium exceed applicable ARARs. Arsenic slightly exceeds the applicable ARAR during this monitoring event, but did not exceed the ARAR in the 2003-2005 events. Chlorobenzene was reported at 0.67 ug/L, which is consistent with historic results and does not exceed the applicable ARAR.

Well 8-R:

Consistent with historic analytical results, Iron, Magnesium, Manganese, Sodium, and Thallium exceed the applicable ARARs. 1,1–Dichloroethane is reported at 0.24 ug/L and does not exceed the applicable ARAR.

Well 9-OS:

Consistent with past results, Iron exceeds the applicable ARAR. Chromium also exceeds the applicable ARAR. Results for Chromium for the 2003-2005 events were less than ARAR. No VOCs were detected during this monitoring event.

Well 9-I:

Consistent with the 2003-2005 analytical results, Iron exceeds the ARAR. No VOCs were detected during this monitoring event.

Well 9-R:

Consistent with the 2003–2005 analytical results, Iron and Manganese exceed the applicable ARARs. The Sodium level also exceeded the ARAR in 2005 and 2006. Chlorobenzene is reported at 0.24 ug/L, but does not exceed the applicable ARAR.

Well PW-1:

There are no exceedances of applicable ARARs for this monitoring event. No VOCs are detected in the sample from Well PW-1.

Well PW-2:

Thallium is reported at a level that exceeds the ARAR for this parameter. Results from the 2004 and 2005 events report Thallium at levels below the laboratory detection limit. No VOCs are detected in the sample from Well PW-2.

Well SVWC-93:

The 2006 analytical results for all parameters are consistent with the 2004 and 2005 results that report an exceedance of Sodium. Thallium also exceeds the applicable ARAR during this monitoring event. No VOCs are detected in the sample from Well SVWC-93 during the 2006 event, or in the 2003-2005 events.

Well SVWC-94:

The 2006 analytical results for all parameters are consistent with the 2004 and 2005 results that report an exceedance of Sodium. No VOCs are detected in the sample from Well SVWC-94 during the 2006 event, or in the 2003-2005 events.

Well SVWC-95:

The 2006 analytical results for all parameters are consistent with the 2004 and 2005 results that report an exceedance of Sodium. No VOCs are detected in the sample from Well SVWC-95 during the 2006 event, or in the 2003-2005 events.

Well SVWC-96:

The 2006 analytical results for all parameters are consistent with the 2004 and 2005 results that report an exceedance of Sodium. No VOCs were detected in the sample from Well SVWC-96 during the 2006 event, or in the 2003-2005 events.

AIR QUALITY MONITORING

Air monitoring consisted of explosive gas (Lower Explosive Limit, or LEL), Hydrogen Sulfide (H_2S) and photoionization detection (PID) measurements of the headspace of each monitoring well listed in Table 4, the baler building, leachate Manhole A-5, lift stations A-10 and W-20, and the landfill perimeter. LEL and H_2S measurements were obtained with a QRAE Multi gas monitor, and PID measurements were obtained with a Photovac ~~2020 photoionization~~ unit.

An elevated reading of greater than 100% for the Lower Explosive Limit (LEL) was detected at Manhole A-5. Headspace PID reading of 34.3 ppm for Well 8-R and 14.1 ppm for Well 9-R were reported for this monitoring event.

The next sampling event is scheduled to occur in the fourth quarter of 2007. Please call me at 518/456-4900 should you have any questions or comments.

Very truly yours,

STERLING ENVIRONMENTAL ENGINEERING, P.C.

Elizabeth M. Davis

Elizabeth M. Davis
Hydrogeologist
liz@sterlingenvironmental.com

EMD/bc
First Class Mail
Attachments (Figure 1, Tables 1, 2, 3A through 3D, and 4, 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. *

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

20010/Reports/2006 Annual Results.doc

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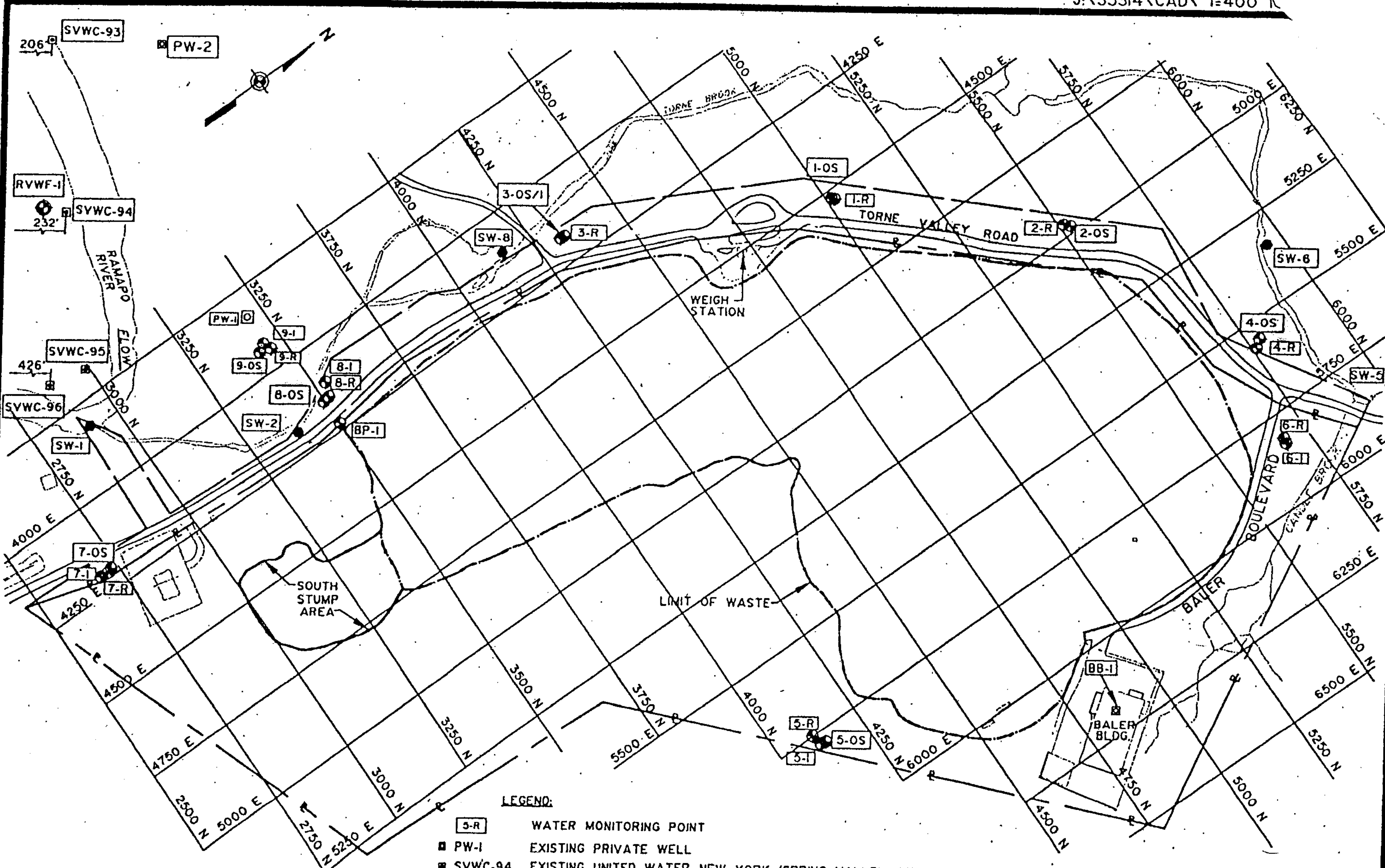

LEGEND:

5-R	WATER MONITORING POINT
PW-1	EXISTING PRIVATE WELL
SVWC-94	EXISTING UNITED WATER NEW YORK (SPRING VALLEY WELL CO.) WELLS
3-R	EXISTING MONITORING WELLS, PUMPING WELLS, OVERBURDEN PIEZOMETERS.
RVWF-1	RAMAPO VALLEY WELL FIELD WELL BY URS, 1992
SW-3	EXISTING SURFACE WATER AND STREAM SEDIMENT SAMPLE

400 0 400

SCALE IN FEET

URS CONSULTANTS, INC.

RAMAPO LANDFILL
SAMPLE LOCATIONS

FIGURE 1

TABLE 1

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

Well ID	Date	Static Water Level [1] (feet)	pH [2] (pH units)	Specific Conductivity (mS/cm)	Temperature (°C)	Eh (mV)
1-OS/I	9/13/2006	16.74	7.07	0.492	13.30	-31.1
1-R	9/13/2006	13.38	---	---	---	---
2-OS/I	9/13/2006	15.35	7.21	0.412	13.70	38.6
2-R	9/13/2006	18.38	---	---	---	---
3-OS/I	9/13/2006	12.92	6.62	0.5	14.21	271.5
3-R	9/13/2006	13.21	---	---	---	---
4-OS/I	9/13/2006	7.21	**6.29**	0.452	14.69	152.8
4-R	9/13/2006	9.13	---	---	---	---
5-OS/I	9/13/2006	13.63	**6.08**	0.059	16.91	170.1
5-R	9/13/2006	---	---	---	---	---
6-I	9/12/2006	18.86	---	---	---	---
6-R	9/12/2006	30.57	---	---	---	---
7-OS	9/12/2006	12.29	**6.33**	0.221	15.58	113.8
7-I	9/12/2006	13.46	---	---	---	---
7-R	9/12/2006	14.69	---	---	---	---
8-OS	9/13/2006	13.90	**6.31**	0.204	15.59	171.4
8-I	9/13/2006	14.71	6.97	---	15.12	-70.8
8-R	9/12/2006	13.81	---	---	---	---
9-OS	9/12/2006	6.47	**5.99**	0.075	18.18	205.4
9-I	9/12/2006	10.64	**5.93**	0.081	17.94	155.1
9-R	9/12/2006	11.74	6.90	0.367	17.15	-1.7
PW-1	9/12/2006	---	**5.93**	0.12	13.47	200.6
PW-2	9/12/2006	---	6.90	0.222	22.72	147.3
SVWC-93	9/12/2006	---	6.56	0.343	16.15	144.2
SVWC-94	9/12/2006	---	6.56	0.314	15.05	201.7
SVWC-95	9/12/2006	---	6.86	0.273	15.97	94.7
SVWC-96	9/12/2006	---	6.63	0.323	15.59	209.6

NOTES: [1] Depth to water surface from top of PVC well riser.

[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).

--- Indicates Not Measured

TABLE 2

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

Parameter	ARARs [1]	UNITS	WELL 1-OS Oct-03 [5]	Mar-04 [3]	Jun-05 [3] [DUP]	Sep-06 [6]	WELL 2-OS Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	NA	NA	224	210	252	274	222	280
Chemical Oxygen Demand	—	mg/L	NA	NA	32.3	78	28.5	23	14.5	24
Total Hardness	—	mg/L	NA	NA	230	710	281	326	259	52
Total Kjeldhal Nitrogen	—	mg/L	NA	NA	1 UN	< .40	1 U	1 U	1 UN	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	NA	765	39000	NA	8880	1190	4500
Antimony	3	ug/L	NA	NA	0.12 U	< 3	**24.6 B**	7.1 U	0.12 U	< 3
Arsenic	25	ug/L	NA	NA	8.1 B	**43**	4.2 B	7.4 B	4 B	2.8 J
Barium	1000	ug/L	NA	NA	110 B	440	NA	91.4 B	51.4 B	50 J
Beryllium	3	ug/L	NA	NA	0.4 U	2.2 J	NA	0.5 B	0.4 U	0.44 J
Cadmium	5	ug/L	NA	NA	0.8 U	4.3	0.3 U	0.4 U	0.8 U	1.6
Calcium	—	ug/L	NA	NA	69400	140000	NA	95900	78200	87000
Chromium	50	ug/L	NA	NA	31.4	**2400**	**52.9**	**87.1**	**101**	**120**
Cobalt	—	ug/L	NA	NA	9.1 B	63	NA	21.7 B	12.4 B	25
Copper	200	ug/L	NA	NA	25.9	130	19.3 B	25.4	15.9 B	15
Iron	300 [2]	ug/L	NA	NA	**54200 N**	**120000**	**14700**	**14700**	144 N	**12000**
Lead	25	ug/L	NA	NA	5.8	**94**	**29.2**	18.3 N	7.6	9.1
Magnesium	35000 GV	ug/L	NA	NA	14000	28000	NA	21000	15600	18000
Manganese	300 [2]	ug/L	NA	NA	**4720**	**2800**	**1310**	**2300**	**778**	**1900**
Mercury	0.7	ug/L	NA	NA	0.16 U	0.12	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	NA	9.2 B	**270**	NA	56.8	52.1	80
Potassium	—	ug/L	NA	NA	2670 B	11000	NA	4390 B	1870 B	3000 J
Selenium	10	ug/L	NA	NA	1.6 U	< 5	NA	2.6 B	6.9 W	< 5
Silver	50	ug/L	NA	NA	2.7 BN	< 10	NA	1.9 UN	1.9 BN	< 10
Sodium	20000	ug/L	NA	NA	**37100 E**	**62000**	NA	11000	8680 E	11000
Thallium	0.5 GV	ug/L	NA	NA	10.4	**20**	NA	2.8 U	5.3 B	**16**
Vanadium	—	ug/L	NA	NA	2 U	120	NA	15.9 B	2.3 B	11 J
Zinc	2000 GV	ug/L	NA	NA	26.2	220	57	50.2	31.8	41
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	NA	NA	1 U	< .5	1 U	1 U	1 U	< .5
Vinyl Chloride	5	ug/L	NA	NA	1 U	< 1.00	1 U	1 U	1 U	< 1.00
Benzene	1	ug/L	NA	NA	1 U	< .5	1 U	1 U	1 U	< .5
Chlorobenzene	5	ug/L	NA	NA	1 U	< .5	1 U	1 U	1 U	< .5

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] The groundwater standard for the sum of Iron and Manganese concentrations is 500 mg/L.
[3] Sample analyzed for "Baseline Parameters".
[4] Sample analyzed for "Routine" and "Site-Related Parameters".
[5] Well protective casing is damaged and prevented access to the well.
[6] Life Science Laboratories, Inc. conducted sample analysis. Samples from three (3) previous events were analyzed by STL Newburgh.

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 Denotes Not Analyzed.
ND Not Detected.

STL Newburgh

U Denotes that the compound was analyzed for, but not detected at the detection limit listed.
* Indicates that the duplicate analysis was not within laboratory control limits.
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)

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

TABLE 2 (Continued)

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

	ARARs [1]	UNITS	WELL 3-OS/I				WELL 4-OS			
			Oct-03	Mar-04	Jun-05	Sep-06	Oct-03	Mar-04	Jun-05	Sep-06
			[4]	[3]	[3]	[6]	[4][DUP]	[3][DUP]	[3]	[6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	275	287	206	280	82	35.6	101	82
Chemical Oxygen Demand	—	mg/L	53.5	28.5	17.5	31	11.9	10 U	10 U	< 10
Total Hardness	—	mg/L	277	261	255	580	94.9	176	201	92
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	1.02 N	< .40	1 U	1 U	1 U	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	3570	10.4 U	580	NA	1370	386	2500
Antimony	3	ug/L	**155**	5.8 U	0.12 U	< 3	**23.4 B**	7.1 U	0.12 U	< 3
Arsenic	25	ug/L	5.9 B	1.9 U	3.1 U	6.9	2.4 U	2.7 U	3.1 UN	2.8 J
Barium	1000	ug/L	NA	86 B	122 B	69 J	NA	47.8 B	32.7 BN	40 J
Beryllium	3	ug/L	NA	0.3 U	0.4 U	0.23 J	NA	0.4 U	0.4 U	0.43 J
Cadmium	5	ug/L	1 B	0.58 B	1.6 B	3.2	0.3 U	0.4 U	0.8 U	2.2
Calcium	—	ug/L	NA	82700 E	84300	98000	NA	40300	52400	53000
Chromium	50	ug/L	**2810**	**816**	**2020**	**7200**	5 B	9.4 B	**56.7**	**1300**
Cobalt	—	ug/L	NA	14.9 B	9.3 B	56	NA	3.2 U	2 B	14
Copper	200	ug/L	33.3	13.7 B	51.8	69	7.5 B	7.4 B	4.2 B	10
Iron	300 [2]	ug/L	**39000**	**12900**	**60500 N**	**77000**	**2470**	**3050**	**1230**	**12000**
Lead	25	ug/L	17.1	2.2 B	3.1	1.1 J	11.3	7.7 N	1.9 U	1.2 J
Magnesium	35000 GV	ug/L	NA	13200	10700	13000	NA	18500	17100	18000
Manganese	300 [2]	ug/L	**14200**	**7200**	**6450**	**9200**	**690**	**338**	**700**	**860**
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	**434**	**1460**	**1300**	NA	7.3 B	87.8	40 J
Potassium	—	ug/L	NA	5000 B	4010 B	3900 J	NA	2540 B	1390 B	2400 J
Selenium	10	ug/L	NA	1.3 US	1.6 U	< 5	NA	1.9 B	3.9 UN	< 5
Silver	50	ug/L	NA	4.3 BN	23.3 N	< 10	NA	1.9 UN	3.8 BN	< 10
Sodium	20000	ug/L	NA	**22600 E**	**29100 E**	**29000**	NA	**54600**	**20300**	**33000**
Thallium	0.5 GV	ug/L	NA	3.3 U	**12.7**	**16**	NA	**5.4 B**	2.9 UN	**24**
Vanadium	—	ug/L	NA	8.7 B	2 U	21 J	NA	3.9 B	2 UN	9.8 J
Zinc	2000 GV	ug/L	45.8	13.8 B	35.7	33	8.2 B	11.8 B	22.5	44
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	< 1.00	1 U	1 U	1 U	< 1.00
Benzene	1	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] The groundwater standard for the sum of Iron and Manganese concentrations is 500 mg/L.
[3] Sample analyzed for "Baseline Parameters".
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[5] Well protective casing is damaged and prevented access to the well.
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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.

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N Spiked sample recovery not within control limits

Life Science Laboratories, Inc.
J Analyte detected below Practical Quantitation Limit (PQL)

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

TABLE 2 (Continued)

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

	ARARs [1]	UNITS	WELL 5-OS				WELL 5-I			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]	Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	NA	14.6	NA	22	38	NA	41.2	
Chemical Oxygen Demand	—	mg/L	NA	53.5	NA	610	67.3	NA	10 U	
Total Hardness	—	mg/L	NA	198	NA	5200	67.4	NA	49.3	N
Total Kjeldhal Nitrogen	—	mg/L	NA	1 U	NA	< .40	1.41	NA	1.25 N	
TAL Metals:										O
Aluminum	—	ug/L	NA	98800	NA	230000	NA	NA	247	
Antimony	3	ug/L	NA	7.1 U	NA	< 3	**9.4 B**	NA	0.12 U	T
Arsenic	25	ug/L	NA	**30.4**	NA	**33**	4 B	NA	3.1 U	
Barium	1000	ug/L	NA	512	NA	**1200**	NA	NA	8.6 B	
Beryllium	3	ug/L	NA	**4.9 B**	NA	**13**	NA	NA	0.4 U	
Cadmium	5	ug/L	NA	0.4 U	NA	**11**	2.2 B	NA	0.8 U	S
Calcium	—	ug/L	NA	26400	NA	84000	NA	NA	12300	
Chromium	50	ug/L	NA	**237**	NA	**690**	29.8	NA	5.6 B	A
Cobalt	—	ug/L	NA	76.7	NA	210	NA	NA	1.9 U	
Copper	200	ug/L	NA	183	NA	**500**	26.8	NA	2.9 B	M
Iron	300 [2]	ug/L	NA	**150000**	NA	**410000**	**21800**	NA	124 N	
Lead	25	ug/L	NA	**34 N**	NA	**67**	9.2	NA	1.9 U	P
Magnesium	35000 GV	ug/L	NA	32100	NA	**80000**	NA	NA	4510 B	
Manganese	300 [2]	ug/L	NA	**2040**	NA	**5100**	**577**	NA	13.6	L
Mercury	0.7	ug/L	NA	0.2 U	NA	0.14	0.2 U	NA	0.16 U	
Nickel	100	ug/L	NA	**132**	NA	**370**	NA	NA	2.3 U	E
Potassium	—	ug/L	NA	19900	NA	38000	NA	NA	799 B	
Selenium	10	ug/L	NA	1.7 BW	NA	< 5	NA	NA	1.6 UW	D
Silver	50	ug/L	NA	1.9 UN	NA	8.1 J	NA	NA	1.1 UN	
Sodium	20000	ug/L	NA	8870	NA	14000	NA	NA	2880 BE	
Thallium	0.5 GV	ug/L	NA	2.8 U	NA	**7.8** J	NA	NA	5.1 B	
Vanadium	—	ug/L	NA	231	NA	620	NA	NA	3.9 B	
Zinc	2000 GV	ug/L	NA	222	NA	610	76.9	NA	5.9 B	
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	NA	1 U	NA	< .5	1 U	NA	1 U	
Vinyl Chloride	5	ug/L	NA	1 U	NA	< 1.00	1 U	NA	1 U	
Benzene	1	ug/L	NA	1 U	NA	< .5	1 U	NA	1 U	
Chlorobenzene	5	ug/L	NA	1 U	NA	< .5	1 U	NA	1 U	

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] The groundwater standard for the sum of Iron and Manganese concentrations is 500 mg/L.
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TABLE 2 (Continued)

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

	ARARs [1]	UNITS	WELL 7-OS Oct-03 [4]	WELL 7-OS Mar-04 [3]	WELL 7-OS Jun-05 [3]	WELL 7-OS Sep-06 [6]	WELL 8-OS Oct-03 [4]	WELL 8-OS Mar-04 [3]	WELL 8-OS Jun-05 [3]	WELL 8-OS Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	126	123	123	98	26	71.3	21.4	64
Chemical Oxygen Demand	—	mg/L	10 U	34.1	10 U	24	10 U	10 U	10 U	< 10
Total Hardness	—	mg/L	173	112	169	230	38.4	120	47.6	130
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	1 U	< .40	1 U	1 U	1 U	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	25000	1520	11000	NA	47.7 B	735	140
Antimony	3	ug/L	**23.6 B**	5.8 U	0.12 U	< 3	**10.5 B**	5.8 U	0.13 B	< 3
Arsenic	25	ug/L	2.4 U	9.8 B	3.1 UN	4.7 J	2.4 U	1.9 U	3.7 BN	< 5
Barium	1000	ug/L	NA	201	102 BN	95 J	NA	19.2 B	56.9 BN	8.9 J
Beryllium	3	ug/L	NA	0.3 U	0.4 U	0.73 J	NA	0.3 U	0.51 B	0.16 J
Cadmium	5	ug/L	0.3 U	2.1 B	0.8 UN	1	0.3 U	0.42 B	0.8 UN	0.92 J
Calcium	—	ug/L	NA	25800 E	48800	35000	NA	33600 E	14200	17000
Chromium	50	ug/L	2.4 B	**133**	5.7 B	**87**	2.2 B	10.3	29.6	**140**
Cobalt	—	ug/L	NA	143	25.7 B	34	NA	2.6 B	15.4 B	4.2 J
Copper	200	ug/L	2.8 U	51.6	5.2 B	28	2.8 U	1.7 B	32.1	2 J
Iron	300 [2]	ug/L	**633**	**38500**	**1310**	**17000**	**705**	**1030**	**3150**	**1200**
Lead	25	ug/L	2.2 U	12.8	2.5 B	6.3	2.2 U	1.1 U	1.9 U	< 5
Magnesium	35000 GV	ug/L	NA	11600	11500	9800	NA	8750	2950 B	4200
Manganese	300 [2]	ug/L	76.4	**2140**	222	**1300**	235	**1590**	**691**	110
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	<0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	41.8	2.3 U	26 J	NA	7.9 B	61.9	5.8 J
Potassium	—	ug/L	NA	7570	4930 B	5600	NA	2330 B	1370 B	1800 J
Selenium	10	ug/L	NA	1.9 B	3.9 UN	< 5	NA	3.2 BW	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	2 BN	< 10	NA	2.2 UN	3.7 BN	< 10
Sodium	20000	ug/L	NA	5000 E	9190	7000	NA	17100 E	8400	**28000**
Thallium	0.5 GV	ug/L	NA	3.3 U	2.9 UN	**7.6** J	NA	3.3 U	2.9 UN	**9.8** J
Vanadium	—	ug/L	NA	50.5	2.8 BN	21 J	NA	2.3 U	2.4 BN	< 50
Zinc	2000 GV	ug/L	3.3 B	77.4	13.4 B	53	2.8 U	5.7 B	56.7	20
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	< 1.00	1 U	1 U	1 U	< 1.00
Benzene	1	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5

NOTES:

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TABLE 2 (Continued)

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

	ARARs [1]	UNITS	WELL 8-I				WELL 8-R			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]	Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	180	581	564	260	472	533	505	520
Chemical Oxygen Demand	—	mg/L	17.5	97.8	50.1	41	20.2	39.6	10 U	14
Total Hardness	—	mg/L	153	382	360	460	528	561	600	460
Total Kjeldhal Nitrogen	—	mg/L	18.6	35.8	10.2	18 E	4.91	5.25	1.78	1.6
TAL Metals:										
Aluminum	—	ug/L	NA	7040	184 B	8700	NA	18.2 U	10.4 U	1200
Antimony	3	ug/L	**20.7 B**	5.8 U	0.12 U	< 3	**22.7 B**	5.8 U	0.12 U	< 3
Arsenic	25	ug/L	6.6 B	8.9 B	8.6 BN	**26**	2.4 U	1.9 U	3.1 UN	3.1 J
Barium	1000	ug/L	NA	159 B	111 BN	110	NA	34.2 B	20.8 BN	29 J
Beryllium	3	ug/L	NA	0.3 U	0.4 U	0.66 J	NA	0.3 U	0.4 U	0.28 J
Cadmium	5	ug/L	0.3 U	0.4 U	0.8 UN	1.5	0.3 U	0.4 U	0.8 UN	1.2
Calcium	—	ug/L	NA	96800 E	93200	55000	NA	157000 E	169000	170000
Chromium	50	ug/L	1.4 B	19.4	3.3 B	30	0.8 U	2 B	2.5 B	42
Cobalt	—	ug/L	NA	13.2 B	8.6 B	19	NA	14.7 B	13.8 B	26
Copper	200	ug/L	2.8 U	14.2 B	1.2 U	23	2.9 B	1.8 B	3 B	84
Iron	300 [2]	ug/L	**8310**	**29700**	**13900**	**43000**	**1090**	**1160**	**751**	**4700**
Lead	25	ug/L	2.2 U	3	1.9 U	3.5 J	2.2 U	1.1 U	3.5	4 J
Magnesium	35000 GV	ug/L	NA	34100	31000	21000	NA	**41000**	**43000**	**44000**
Manganese	300 [2]	ug/L	**2590**	**4650**	**3090**	**1900**	**2040**	**2150**	**2190**	**2200**
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	29.4 B	15.6 B	20 J	NA	15 B	11.5 B	36 J
Potassium	—	ug/L	NA	60400	52500	31000	NA	10300	7630	5700
Selenium	10	ug/L	NA	1.3 US	3.9 UN	< 5	NA	2 B	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	2.2 BN	< 10	NA	2.2 UN	4.3 BN	< 10
Sodium	20000	ug/L	NA	**110000 E**	**124000**	**73000**	NA	**47300 E**	**42200**	**46000**
Thallium	0.5 GV	ug/L	NA	3.3 U	**4.6 BN**	**12**	NA	3.3 U	**4.6 BN**	**9.4 J**
Vanadium	—	ug/L	NA	16.1 B	2 UN	24 J	NA	2.3 U	2 UN	4.1 J
Zinc	2000 GV	ug/L	2.8 U	33.1	5.4 B	55	2.8 U	3.9 U	8.6 B	31
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	0.24
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	< 1.00	2	1.7	1 U	<1.00
Benzene	1	ug/L	1 U	0.6 J	1 U	< .5	1 U	1 U	1 U	<.5
Chlorobenzene	5	ug/L	0.81 J	2.3	1.6	0.67	1 U	1 U	1 U	<.5

NOTES:

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TABLE 2 (Continued)

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

	ARARs [1]	UNITS	WELL 9-OS				WELL 9-I			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]	Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	11	8.76	15.5	20	10	9.85	10.8	18
Chemical Oxygen Demand	—	mg/L	10 U	10 U	47.2	54	11.9	10 U	10 U	54
Total Hardness	—	mg/L	18.5	18.3	25.8	60	19.6	19.1	31.3	76
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	1.05	< .40	1 U	1 U	1 U	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	311	291	1000	NA	965	173 B	12000
Antimony	3	ug/L	**7.5 B**	5.8 U	0.15 B	< 3	5.5 U	5.8 U	0.12 U	< 3
Arsenic	25	ug/L	2.4 U	1.9 U	3.1 UN	< 5	2.4 U	1.9 U	3.1 UN	4.5 J
Barium	1000	ug/L	NA	7.7 B	11.7 BN	17 J	NA	15.9 B	9.2 BN	110
Beryllium	3	ug/L	NA	0.3 U	0.4 U	0.14 J	NA	0.3 U	0.4 U	0.77 J
Cadmium	5	ug/L	0.3 U	0.4 U	0.8 UN	0.67 J	0.3 U	0.4 U	0.8 UN	0.73 J
Calcium	—	ug/L	NA	4980 BE	7100	7600	NA	5110 E	8840	8100
Chromium	50	ug/L	5 B	10.4	2.4 B	**55**	2 B	2.8 B	1.4 B	36
Cobalt	—	ug/L	NA	2.5 U	1.9 U	2.2 J	NA	2.5 U	1.9 U	14
Copper	200	ug/L	1.7 U	1.6 U	1.2 U	3.6 J	1.7 U	2.8 B	1.2 U	27
Iron	300 [2]	ug/L	**656**	**506**	**453**	**1600**	**514**	**1630**	**318**	**24000**
Lead	25	ug/L	2.5 B	1.1 U	1.9 U	1 J	2.2 B	1.1 U	1.9 U	3.5 J
Magnesium	35000 GV	ug/L	NA	1420 B	1950 B	2000	NA	1530 B	2230 B	5100
Manganese	300 [2]	ug/L	15.5	4.4 B	27.7	51	15.1	19	11.6	290
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	1.7 U	2.3 U	6.7 J	NA	1.7 U	2.3 U	18 J
Potassium	—	ug/L	NA	896 B	3320 B	5100	NA	916 B	608 B	3900 J
Selenium	10	ug/L	NA	2 B	3.9 UN	< 5	NA	1.9 B	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	1.1 UN	< 10	NA	2.2 UN	1.1 UN	< 10
Sodium	20000	ug/L	NA	3220 BE	4160 B	5.3	NA	3690 BE	5530	9400
Thallium	0.5 GV	ug/L	NA	3.3 U	2.9 UN	< 10	NA	3.3 U	2.9 UN	< 10
Vanadium	—	ug/L	NA	2.3 U	2 UN	2.7 J	NA	2.3 U	2 UN	25 J
Zinc	2000 GV	ug/L	5.2 B	3.9 U	9.3 B	36	4.3 B	7.5 B	5.6 B	65
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	<.5	1 U	1 U	1 U	<.5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	<1.00	1 U	1 U	1 U	<1.00
Benzene	1	ug/L	1 U	1 U	1 U	<.5	1 U	1 U	1 U	<.5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	<.5	1 U	1 U	1 U	<.5

NOTES:

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TABLE 2 (Continued)

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ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL 9-R			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:						
Alkalinity	—	mg/L	86	91.6	5 U	110
Chemical Oxygen Demand	—	mg/L	14.7	11.9	10 U	< 10
Total Hardness	—	mg/L	73	67	102	120
Total Kjeldhal Nitrogen	—	mg/L	5.6	4.87	6.78	4.9
TAL Metals:						
Aluminum	—	ug/L	NA	286	26.5 B	73
Antimony	3	ug/L	**10.2 B**	5.8 U	0.12 U	< 3
Arsenic	25	ug/L	3.3 B	3.4 B	3.1 UN	5.9
Barium	1000	ug/L	NA	19.1 B	23.3 BN	21 J
Beryllium	3	ug/L	NA	0.3 U	0.4 U	< 1
Cadmium	5	ug/L	0.3 U	0.9 B	0.8 UN	0.53 J
Calcium	—	ug/L	NA	17200 E	26700	27000
Chromium	50	ug/L	1.1 B	2.6 B	1.9 B	4.1 J
Cobalt	—	ug/L	NA	2.6 B	2.8 B	3.7 J
Copper	200	ug/L	9.4 B	2.2 B	1.2 U	< 10
Iron	300 [2]	ug/L	**4660**	**4890**	**6430**	**7000**
Lead	25	ug/L	7.1	1.1 U	1.9 U	< 5
Magnesium	35000 GV	ug/L	NA	5850	8520	8300
Manganese	300 [2]	ug/L	**2090**	**1980**	**2730**	**2800**
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	1.7 U	2.3 U	1.8 J
Potassium	—	ug/L	NA	9850	10100	11000
Selenium	10	ug/L	NA	2.7 BW	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	1.4 BN	< 10
Sodium	20000	ug/L	NA	14600 E	**22500**	**28000**
Thallium	0.5 GV	ug/L	NA	3.3 U	2.9 UN	< 10
Vanadium	—	ug/L	NA	2.3 U	2 UN	< 50
Zinc	2000 GV	ug/L	2.8 U	4.1 B	3.2 B	28
VOCs by EPA Method 8260B:						
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	<.5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	<1.00
Benzene	1	ug/L	1 U	1 U	1 U	<.5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	0.24

NOTES:

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ANALYTICAL RESULTS

	ARARs [1]	UNITS	WELL PW-1				WELL PW-2			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]	Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	20	13.5	13.5	24	64	69.6	37.9	58
Chemical Oxygen Demand	—	mg/L	10 U	10 U	10 U	< 10	10 U	11.9	10 U	< 10
Total Hardness	—	mg/L	31.9	32.6	66.7	48	97.2	99.6	56.6	92
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	1 U	< .49	1 U	1 U	1 U	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	18.2 U	10.4 U	76	NA	18.2 U	10.4 U	67
Antimony	3	ug/L	**9.5 B**	5.8 U	0.12 U	< 3	**19.4 B**	5.8 U	0.12 U	< 3
Arsenic	25	ug/L	2.4 U	5.6 B	3.1 UN	< 5	2.4 U	1.9 U	3.1 UN	< 5
Barium	1000	ug/L	NA	7.1 B	11.2 BN	7.2 J	NA	3.1 B	7.1 UN	2.6 J
Beryllium	3	ug/L	NA	0.38 B	0.4 U	< 3	NA	0.3 U	0.4 U	0.12 J
Cadmium	5	ug/L	0.3 U	0.88 B	0.8 UN	0.53 J	0.3 U	0.4 U	0.8 UN	0.62 J
Calcium	—	ug/L	NA	8650 E	18400	10000	NA	32900 E	18800	28000
Chromium	50	ug/L	0.73 B	1.3 B	0.9 U	2.7 J	1.9 B	1.5 B	0.9 U	2.8 J
Cobalt	—	ug/L	NA	2.5 U	1.9 U	2.1 J	NA	2.5 U	1.9 U	2.4 J
Copper	200	ug/L	131	59.5	83.4	69	23.5 B	17.4 B	197	50
Iron	300 [2]	ug/L	47 U	20 B	18.6 B	15 J	47 U	27.5 B	115	34 J
Lead	25	ug/L	**81.9**	4.9	1.9 U	< 5	12.5	1.1 U	1.9 U	2.1 J
Magnesium	35000 GV	ug/L	NA	2680 B	5070	2700	NA	4230 B	2320 B	3200
Manganese	300 [2]	ug/L	0.69 B	0.9 U	2.1 U	0.75 J	1.6 B	0.9 U	2.1 U	1.4 J
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	1.7 U	2.3 U	50	NA	1.7 U	2.3 U	< 50
Potassium	—	ug/L	NA	1030 B	1260 B	1200 J	NA	1310 B	871 B	1100 J
Selenium	10	ug/L	NA	2.5 B	3.9 UN	3 J	NA	2 B	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	1.1 UN	< 10	NA	2.2 UN	1.7 BN	< 10
Sodium	20000	ug/L	NA	5410 E	11500	14000	NA	7730 E	5400	7400
Thallium	0.5 GV	ug/L	NA	3.3 U	2.9 UN	< 10	NA	3.3 U	2.9 UN	**8.8 J**
Vanadium	—	ug/L	NA	2.3 U	2 UN	< 50	NA	2.3 U	2 UN	< 50
Zinc	2000 GV	ug/L	48.7	25.8	13.6 B	46	13.4 B	32.3	44.1	41
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	< 1.00	1 U	1 U	1 U	< 1.00
Benzene	1	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5

NOTES:

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

[2] The groundwater standard for the sum of Iron and Manganese concentrations is 500 mg/L.

[3] Sample analyzed for "Baseline Parameters".

[4] Sample analyzed for "Routine" and "Site-Related Parameters".

[5] Well protective casing is damaged and prevented access to the well.

[6] Life Science Laboratories, Inc. conducted sample analysis. Samples from three (3) previous events were analyzed by STL Newburgh.

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 Denotes Not Analyzed.

ND Not Detected.

STL Newburgh

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

* Indicates that the duplicate analysis was not within laboratory control limits.

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)

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

TABLE 2 (Continued)

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

	ARARs [1]	UNITS	SVWC-93				SVWC-94			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]	Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	44	33	39.1	46	46	44	41.9	44
Chemical Oxygen Demand	—	mg/L	10 U	10 U	10 U	< 10	10 U	10 U	10 U	< 10
Total Hardness	—	mg/L	64.3	78.3	84.1	76	69.6	88.7	88.2	72
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	1 U	< .40	1 U	1 U	1 U	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	18.2 U	10.4 U	63	NA	18.2 U	10.4 U	56
Antimony	3	ug/L	**8.6 B**	5.8 U	0.14 B	< 3	**7.1 B**	5.8 U	0.12 U	< 3
Arsenic	25	ug/L	2.4 U	1.9 U	4.2 BN	1.2 J	2.4 U	2.9 B	3.1 UN	< 5
Barium	1000	ug/L	NA	10.3 B	9.7 BN	9.6 J	NA	17.6 B	13.6 BN	13 J
Beryllium	3	ug/L	NA	0.3 U	0.4 U	0.14 J	NA	0.3 U	0.4 U	< 3
Cadmium	5	ug/L	0.36 B	0.4 U	0.8 UN	0.59 J	0.3 U	0.52 B	0.8 UN	< 1
Calcium	—	ug/L	NA	21600 E	23500	21000	NA	24400 E	24600	21000
Chromium	50	ug/L	1.3 B	1.4 B	0.9 U	3.2 J	0.75 B	1.9 B	0.93 B	2 J
Cobalt	—	ug/L	NA	2.5 U	1.9 U	2.2 J	NA	2.5 U	1.9 U	< 10
Copper	200	ug/L	6.2 B	10.6 B	3.9 B	7.6 J	6.6 B	9.8 B	5.4 B	7 J
Iron	300 [2]	ug/L	47 U	203	14.4 B	21 J	47 U	30.3 B	7.7 U	< 50
Lead	25	ug/L	7.1	1.1 U	2 B	< 5	5.7	1.1 U	1.9 U	< 5
Magnesium	35000 GV	ug/L	NA	5900	6170	5200	NA	6760	6520	5300
Manganese	300 [2]	ug/L	0.65 B	0.9 U	2.1 U	0.62 J	4.3 B	3.3 B	6.5 B	3.2 J
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	42.7	2.3 U	< 50	NA	1.7 U	2.3 U	< 50
Potassium	—	ug/L	NA	2090 B	2240 B	2000 J	NA	1990 B	1950 B	1700 J
Selenium	10	ug/L	NA	3.1 BW	6.8 N	< 5	NA	2.3 B	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	1.5 BN	< 10	NA	2.2 UN	1.1 UN	< 10
Sodium	20000	ug/L	NA	**33800 E**	**44100**	**52000**	NA	**35600 E**	**42300**	**47000**
Thallium	0.5 GV	ug/L	NA	3.3 U	2.9 UN	**7.6** J	NA	3.3 U	2.9 UN	< 10
Vanadium	—	ug/L	NA	2.3 U	2 UN	< 50	NA	2.3 U	2 UN	< 50
Zinc	2000 GV	ug/L	4.9 B	15.5 B	5.1 B	36	4.5 B	9 B	3.8 B	36
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	< 1.00	1 U	1 U	1 U	< 1.00
Benzene	1	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] The groundwater standard for the sum of Iron and Manganese concentrations is 500 mg/L.
[3] Sample analyzed for "Baseline Parameters".
[4] Sample analyzed for "Routine" and "Site-Related Parameters".
[5] Well protective casing is damaged and prevented access to the well.
[6] Life Science Laboratories, Inc. conducted sample analysis. Samples from three (3) previous events were analyzed by STL Newburgh.

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 Denotes Not Analyzed.
ND Not Detected.

STL Newburgh

U Denotes that the compound was analyzed for, but not detected at the detection limit listed.
* Indicates that the duplicate analysis was not within laboratory control limits.
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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)

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

TABLE 2 (Continued)

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

	ARARs [1]	UNITS	SVWC-95				SVWC-96			
			Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]	Oct-03 [4]	Mar-04 [3]	Jun-05 [3]	Sep-06 [6]
Leachate Indicator Parameters:										
Alkalinity	—	mg/L	50	40	53.5	54	46	36.5	47.6	44
Chemical Oxygen Demand	—	mg/L	10 U	10 U	10 U	< .10	11.9	10 U	10 U	< .10
Total Hardness	—	mg/L	62.8	72.5	80.6	84	67.7	63.2	83.2	76
Total Kjeldhal Nitrogen	—	mg/L	1 U	1 U	1 U	< .40	1 U	1 U	1 U	< .40
TAL Metals:										
Aluminum	—	ug/L	NA	18.2 U	10.4 U	37	NA	18.2 U	10.4 U	14 J
Antimony	3	ug/L	**13.6 B**	5.8 U	0.12 U	< 3	**11.1 B**	5.8 U	0.12 U	< 3
Arsenic	25	ug/L	2.4 U	1.9 U	3.1 UN	2 J	2.4 U	1.9 U	3.1 UN	1.3 J
Barium	1000	ug/L	NA	12.5 B	13.7 BN	10 J	NA	9.6 B	10 BN	7.2 J
Beryllium	3	ug/L	NA	0.3 U	0.4 U	< 3	NA	0.3 U	0.4 U	< 3
Cadmium	5	ug/L	0.3 U	0.4 U	0.8 UN	< 1	0.3 U	0.4 U	0.8 UN	< 1
Calcium	—	ug/L	NA	19500 E	22300	20000	NA	16900 E	22400	18000
Chromium	50	ug/L	1.3 B	1.5 B	0.9 U	< 10	0.7 U	1.2 B	0.94 B	< 10
Cobalt	—	ug/L	NA	2.5 U	1.9 U	< 10	NA	2.5 U	1.9 U	< 10
Copper	200	ug/L	3.8 B	5.6 B	3 B	6.1 J	5.5 B	5.4 B	3.9 B	6.8 J
Iron	300 [2]	ug/L	47 U	157	17.2 B	260	47 U	16.8 U	7.7 U	< 50
Lead	25	ug/L	6.2	1.1 U	1.9 U	< 5	6.1	1.1 U	1.9 U	< 5
Magnesium	35000 GV	ug/L	NA	5790	6030	5100	NA	5230	6250	4900
Manganese	300 [2]	ug/L	84.6	88	86	25 J	0.6 U	0.9 U	2.1 U	< 50
Mercury	0.7	ug/L	0.2 U	0.2 U	0.16 U	< 0.2	0.2 U	0.2 U	0.16 U	< 0.2
Nickel	100	ug/L	NA	1.9 B	2.3 U	1.4 J	NA	1.7 U	2.3 U	< 50
Potassium	—	ug/L	NA	1760 B	2320 B	1700 J	NA	1530 B	2120 B	1300 J
Selenium	10	ug/L	NA	2.4 B	3.9 UN	< 5	NA	2.2 B	3.9 UN	< 5
Silver	50	ug/L	NA	2.2 UN	1.1 UN	1.5 J	NA	2.2 UN	1.1 UN	< 10
Sodium	20000	ug/L	NA	**27700 E**	**41700**	**36000**	NA	**30100 E**	**47400**	**47000**
Thallium	0.5 GV	ug/L	NA	3.3 U	2.9 UN	< 10	NA	3.3 U	2.9 UN	< 10
Vanadium	—	ug/L	NA	2.3 U	2 UN	< 50	NA	2.3 U	2 UN	< 50
Zinc	2000 GV	ug/L	3.8 B	6.5 B	9.3 B	25	5.8 B	6.9 B	6 B	24
VOCs by EPA Method 8260B:										
1,1-Dichloroethane	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Vinyl Chloride	5	ug/L	1 U	1 U	1 U	< 1.00	1 U	1 U	1 U	< 1.00
Benzene	1	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5
Chlorobenzene	5	ug/L	1 U	1 U	1 U	< .5	1 U	1 U	1 U	< .5

NOTES:

[1] NYSDEC Water Quality Standards and Guidance Values, T.O.G.S. 1.1.1 (June 1998).
[2] The groundwater standard for the sum of Iron and Manganese concentrations is 500 mg/L.
[3] Sample analyzed for "Baseline Parameters".
[4] Sample analyzed for "Routine" and "Site-Related Parameters".
[5] Well protective casing is damaged and prevented access to the well.
[6] Life Science Laboratories, Inc. conducted sample analysis. Samples from three (3) previous events were analyzed by STL Newburgh.

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 Denotes Not Analyzed.
ND Not Detected.

STL Newburgh

U Denotes that the compound was analyzed for, but not detected at the detection limit listed.
* Indicates that the duplicate analysis was not within laboratory control limits.
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)

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

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
1-OS	NA	NA	ND	ND
2-OS	ND	ND	ND	ND
3-OS/I	ND	ND	ND	ND
4-OS	ND	ND	ND	ND
5-OS	NA	ND	NA	ND
5-I	ND	NA	ND	NA
7-OS	ND	ND	ND	ND
8-OS	ND	ND	ND	ND
8-I	ND	0.6 J	ND	ND
8-R	ND	ND	ND	ND
9-OS	ND	ND	ND	ND
9-I	ND	ND	ND	ND
9-R	ND	ND	ND	ND
PW-1	ND	ND	ND	ND
PW-2	ND	ND	ND	ND
SVWC-93	ND	ND	ND	ND
SVWC-94	ND	ND	ND	ND
SVWC-95	ND	ND	ND	ND
SVWC-96	ND	ND	ND	ND

NOTES:

Concentrations reported in ug/L (ppb).

ND = Not Detected

NA = Not Analyzed

Values in **BOLD** indicate an exceedance of groundwater quality standard for Benzene, 1.0 mg/L.

STL

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	
1-OS	NA		NA		31.4		**2400**	
2-OS	**52.9**		**87.1**		**101**		**120**	
3-OS/I	**2810**		**816**		**2020**		**7200**	
4-OS	5		9.4	B	**56.7**		**1300**	
5-OS	NA		**237**		NA		**690**	
5-I	29.8		NA		5.6	B	NA	
7-OS	2.4		**133**		5.7	B	**87**	
8-OS	2.2		10.3		29.6		**140**	
8-I	1.4		19.4		3.3	B	30	
8-R	ND		2	B	2.5	B	42	
9-OS	5		10.4		2.4	B	**55**	
9-I	2		2.8	B	1.4	B	36	
9-R	1.1		2.6	B	1.9	B	4.1	J
PW-1	0.73		1.3	B	ND		2.7	J
PW-2	1.9		1.5	B	ND		2.8	J
SVWC-93	1.3		1.4	B	ND		3.2	J
SVWC-94	0.75		1.9	B	0.93	B	2	J
SVWC-95	ND		1.5	B	ND		ND	
SVWC-96	ND		1.2	B	0.94	B	ND	

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

LifeScience
J = Analyte detected below the Practical Quantitation Limit (PQL)
STL
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		
1-OS	NA	NA		**54200**	N	**120000**		
2-OS	**14700**	**14700**		144	N	**12000**		
3-OS/I	**39000**	**12900**		**60500**	N	**77000**		
4-OS	**2470**	**3050**		**3050**		**12000**		
5-OS	NA	**150000**		NA		**410000**		
5-I	**21800**	NA		124		NA		
7-OS	**633**	**38500**		**1310**		**17000**		
8-OS	**705**	**1030**		**3150**		**1200**		
8-I	**8310**	**29700**		**13900**		**43000**		
8-R	**1090**	**1160**		**751**		**4700**		
9-OS	**656**	**506**		**453**		**1600**		
9-I	**514**	**1630**		**318**		**24000**		
9-R	**4660**	**4890**		**6430**		**7000**		
PW-1	ND	20	B	18.6	B	15	J	
PW-2	ND	27.5	B	115		34	J	
SVWC-93	ND	203		14.4	B	21	J	
SVWC-94	ND	30.3	B	7.7	U	ND		
SVWC-95	ND	157		17.2	B	260		
SVWC-96	ND	16.8	U	7.7	U	ND		

NOTES:

Concentrations reported in ug/L (ppb).

ND = Not Detected

NA = Not Analyzed

Values in **BOLD** indicate an exceedance of groundwater quality standard for Iron, 300 mg/L.

LifeScience

J = Analyte detected below the Practical Quantitation Limit (PQL)

STL

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

U = Analyte not detected at listed 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	
1-OS	NA	NA		**4720**		**2800**	
2-OS	**1310**	**2300**		**778**		**1900**	
3-OS/I	**14200**	**7200**		**6450**		**9200**	
4-OS	**690**	**338**		**700**		**860**	
5-OS	NA	**2040**		NA		**5100**	
5-I	**577**	NA		13.6		NA	
7-OS	76.4	**2140**		222		**1300**	
8-OS	235	**1590**		**691**		110	
8-I	**2590**	**4650**		**3090**		**1900**	
8-R	**2040**	**2150**		**2190**		**2200**	
9-OS	15.5	4.4	B	27.7		51	
9-I	15.1	19		11.6		290	
9-R	**2090**	**1980**		**2730**		**2800**	
PW-1	0.69	0.9	U	2.1	U	0.75	J
PW-2	1.6	0.9	U	2.1	U	1.4	J
SVWC-93	0.65	0.9	U	2.1	U	0.62	J
SVWC-94	4.3	3.3	B	6.5	B	3.2	J
SVWC-95	84.6	88		86		25	J
SVWC-96	ND	0.9	U	2.1	U	ND	

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.

LifeScience
J = Analyte detected below the Practical Quantitation Limit (PQL)
STL
B = The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit.
U = Analyte not detected at listed detection limit.

TABLE 4

TOWN OF RAMAPO LANDFILL
AIR MONITORING RESULTS

Monitoring Location	Date	LEL Reading (%)	H2S Reading (ppm)	PID Reading (ppm)
Monitoring Wells:				
1-OS	9/13/2006	0	0.0	0.0
1-R	9/12/2006	0	0.0	0.3
2-OS	9/13/2006	0	0.0	0.0
2-R	9/13/2006	0	0.0	0.0
3-OS/I	9/13/2006	0	0.0	0.0
3-R	9/13/2006	0	0.0	0.0
4-OS	9/13/2006	0	0.0	1.4
4-R	9/13/2006	0	0.0	1.1
5-OS	9/13/2006	0	0.0	0.0
5-I	9/13/2006	0	0.0	0.0
5-R	9/13/2006	0	0.0	0.0
6-I	9/12/2006	0	0.0	0.0
6-R	9/12/2006	0	0.0	0.0
7-OS	9/12/2006	0	0.0	0.0
7-I	9/12/2006	0	0.0	0.0
7-R	9/12/2006	0	0.0	8.0
8-OS	9/13/2006	0	0.0	5.1
8-I	9/13/2006	0	0.0	3.8
8-R	9/12/2006	0	0.0	34.3
9-OS	9/12/2006	0	0.0	5.7
9-I	9/12/2006	0	0.0	0.0
9-R	9/12/2006	0	0.0	14.1
Baler Building (waist high)	9/13/2006	0	0.0	0.1
Manhole A-5	9/13/2006	> 100 %	0.0	0.0
Lift Station A-10	9/13/2006	0	0.0	0.0
Lift Station W-20	9/13/2006	0	0.0	0.0
Landfill Perimeter (every 100-foot location)	9/13/2006	0	0.0	0.0

NOTES: LEL = Lower Explosive Limit (for Methane)
H2S = Hydrogen Sulfide
PID = Photoionization Detector, measures VOCs
ppm = parts per million

Life Science Laboratories, Inc.

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

October 05, 2006

Mr. Paul Skudder
Sterling Environmental Engineering, P.C.
24 Wade Road
Latham, NY 12110

TEL: 518 456-4900

Project: RAMAPO
RE: Analytical
Work Order Nos.: 0609069, 0609082

Dear Paul Skudder:

Life Science Laboratories, Inc. received samples on 9/13/2006 and 9/14/2006 for the analyses presented in the following report.

Very truly yours,
Life Science Laboratories, Inc.

Thomas A. Alexander
Project Manager

Sample Data Summary Package

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND

ANALYTICAL SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method#	BNA GC/MS Method#	VOA GC Method#	PEST PCBs Method#	METALS	OTHER
0609069-001A	SVWC-93						EPA410.4, EPA351.2
0609069-001B	SVWC-93						EPA310.1
0609069-001C	SVWC-93					7470A, 6010B	EPA130.2
0609069-001D	SVWC-93	8260					
0609069-002A	SVWC-94						EPA410.4, EPA351.2
0609069-002B	SVWC-94						EPA310.1
0609069-002C	SVWC-94					7470A, 6010B	EPA130.2
0609069-002D	SVWC-94	8260					
0609069-003A	SVWC-95						EPA410.4, EPA351.2
0609069-003B	SVWC-95						EPA310.1
0609069-003C	SVWC-95					7470A, 6010B	EPA130.2
0609069-003D	SVWC-95	8260					
0609069-004A	SVWC-96						EPA410.4, EPA351.2
0609069-004B	SVWC-96						EPA310.1
0609069-004C	SVWC-96					7470A, 6010B	EPA130.2
0609069-004D	SVWC-96	8260					
0609069-005A	9-R						EPA410.4, EPA351.2
0609069-005B	9-R						EPA310.1
0609069-005C	9-R					7470A, 6010B	EPA130.2
0609069-005D	9-R	8260					
0609069-005A MS/MSD	9-R MS/MSD						EPA410.4, EPA351.2
0609069-005B D	9-R D						EPA310.1
0609069-005C MS/MSD/D	9-R MS/MSD/D					7470A, 6010B	EPA130.2
0609069-005D MS/MSD	9-R MS/MSD	8260					
0609069-006A	DUP 906						EPA410.4, EPA351.2
0609069-006B	DUP 906						EPA310.1
0609069-006C	DUP 906					7470A, 6010B	EPA130.2
0609069-006D	DUP 906	8260					
0609069-007A	9-I						EPA410.4, EPA351.2
0609069-007B	9-I						EPA310.1
0609069-007C	9-I					7470A, 6010B	
0609069-007D	9-I	8260					
0609069-008A	9-OS						EPA410.4, EPA351.2
0609069-008B	9-OS						EPA310.1
0609069-008C	9-OS					7470A, 6010B	EPA130.2
0609069-008D	9-OS	8260					
0609069-009A	PW-1						EPA410.4, EPA351.2
0609069-009B	PW-1						EPA310.1
0609069-009C	PW-1					7470A, 6010B	EPA130.2
0609069-009D	PW-1	8260					
0609069-010A	PW-2						EPA410.4, EPA351.2
0609069-010B	PW-2						EPA310.1
0609069-010C	PW-2					7470A, 6010B	EPA130.2
0609069-010D	PW-2	8260					
0609069-011A	8-R						EPA410.4, EPA351.2
0609069-011B	8-R						EPA310.1
0609069-011C	8-R					7470A, 6010B	EPA130.2

Customer Sample Code	Laboratory Sample Code	Analytical Requirements					
		VOA GC/MS Method#	BNA GC/MS Method#	VOA GC Method#	PEST PCBs Method#	METALS	OTHER
0609069-011D	8-R	8260					
0609069-012A	7-OS						EPA410.4, EPA351.2
0609069-012B	7-OS						EPA310.1
0609069-012C	7-OS					7470A, 6010B	EPA130.2
0609069-012D	7-OS	8260					
0609069-013D	TRIP BLANK	8260					
0609069-014D	Storage Blank	8260					
0609082-001A	8-OS	8260					EPA410.4, EPA351.2
0609082-001B	8-OS						EPA310.1
0609082-001C	8-OS					7470A, 6010B	EPA13.2
0609082-001D	8-OS	8260					
0609082-002A	8-I	8260					EPA410.4, EPA351.2
0609082-002B	8-I						EPA310.1
0609082-002C	8-I					7470A, 6010B	EPA13.2
0609082-002D	8-I	8260					
0609082-003A	5-OS	8260					EPA410.4, EPA351.2
0609082-003B	5-OS						EPA310.1
0609082-003C	5-OS					7470A, 6010B	EPA13.2
0609082-003D	5-OS	8260					
0609082-004A	Trip Blank	8260					
0609082-005A	1-OS						EPA410.4, EPA351.2
0609082-005B	1-OS						EPA310.1
0609082-005C	1-OS					7470A, 6010B	EPA13.2
0609082-005D	1-OS	8260					
0609082-006A	2-OS	8260					EPA410.4, EPA351.2
0609082-006B	2-OS						EPA310.1
0609082-006C	2-OS					7470A, 6010B	EPA13.2
0609082-006D	2-OS	8260					
0609082-007A	3-OS	8260					EPA410.4, EPA351.2
0609082-007B	3-OS						EPA310.1
0609082-007C	3-OS					7470A, 6010B	EPA13.2
0609082-007D	3-OS	8260					
0609082-008A	4-OS	8260					EPA410.4, EPA351.2
0609082-008B	4-OS						EPA310.1
0609082-008C	4-OS					7470A, 6010B	EPA13.2
0609082-008D	4-OS	8260					
0609082-009A	Storage Blank	8260					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE(VOA) ANALYSES

LABORATORY SAMPLE ID	MATRIX	DATE COLLECTED	DATE REC'D at LAB	LOW LEVEL MED LEVEL	DATE ANALYZED
0609069-001D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-002D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-003D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-004D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-005D	WATER	9/12/06	9/13/06	LOW	9/15/06
0609069-005DMS	WATER	9/12/06	9/13/06	LOW	9/15/06
0609069-005DMSD	WATER	9/12/06	9/13/06	LOW	9/15/06
0609069-006D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-007D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-008D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-009D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-010D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-011D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-012D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-013D	WATER	9/12/06	9/13/06	LOW	9/14/06
0609069-014D	WATER	9/13/06	9/13/06	LOW	9/14/06
0609082-001D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-002D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-003D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-004A	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-005D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-006D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-007D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-008D	WATER	9/13/06	9/14/06	LOW	9/15/06
0609082-009A	WATER	9/14/06	9/14/06	LOW	9/15/06

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
0609069-001	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-002	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-003	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-004	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-005	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-005 Dup/MS	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-006	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-007	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-008	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-009	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-010	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE SR V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-011	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-012	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06

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
0609082-001	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-002	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-003	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-005	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-006	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-007	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-008	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06

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
0609069-001	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-002	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-003	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-004	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-005	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-005 Dup/MS	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-006	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-007	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-008	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-009	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-010	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE SR V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-011	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06
0609069-012	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/13/06	09/19/06 09/15/06	09/19/06 09/21/06

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
0609082-001	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-002	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-003	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-005	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-006	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-007	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06
0609082-008	Groundwater	AG AL AS BA BE CA CD CO CR CU FE HG K MG MN NA NI PB SB SE TL V ZN	09/14/06	09/19/06 09/15/06	09/19/06 09/21/06

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for samples from Sterling Environmental Engineering, P.C., for the Ramapo project. 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.

There were no discrepancies noted upon receipt. Temperatures of the well-iced coolers were 2.2 °C and 6°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
GC/MS Volatile Organics	8260B	1
Mercury	7470A	1
ICP Metals	6010B	1
COD	EPA410.4	1
Hardness	EPA130.2	1
Total Alkalinity	EPA310.1	1
Total Kjeldahl Nitrogen	EPA351.2	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 #:	0609069,0609082
Methodology:	8260B

Analyzed/Reviewed by (Initials/Date): Angela Z 9/21/06

Supervisor/Reviewed by (Initials/Date): JW 9-27-06

QA/QC Review (Initials/Date): QLL 9/28/06

File Name: G:\Narratives\MSVoa\0609069msvnar.doc

GC/MS Volatile Organics
The GC/MS Volatile instruments used a Restek Rtx-VMS, 40 m x 0.18 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. Samples had a pH of < 2.

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

MS/MSD/MSB
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 Orders #:	0609069, 0609082
Methodology:	Mercury – SW 7470A

Analyzed/Reviewed by (Date/Initials): 9-26-06 / ABM

Supervisor/Reviewed by (Date/Initials): 9-28-06 MT

QA/QC Review (Date/Initials): 9/29/06 dk

Trace Metals

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

I:\Metals_narrative\060906982_Sterling.hg.doc

Trace Metals Case Narrative

Client ID:	STERLING
Project/Order:	Ramapo
Work Order #:	0609069,0609082
Methodology:	ICP metals – SW 6010B

Analyzed/Reviewed by (Date/Initials): 9-28-06 CT

Supervisor/Reviewed by (Date/Initials): 9-28-06 MT

QA/QC Review (Date/Initials): 9/29/06 JK

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 analyte did not meet matrix spike duplicate percent recovery criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
9-R	0609069-005C	Fe	X		1

1. 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.

Sample Duplicate
All sample duplicate RPD data met method and/or project specific QC criteria.

ICP Serial Dilution
All percent differences met method and/or project specific QC criteria.

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.

Miscellaneous
A low level calibration check standard at project specific PQL was inadvertently not analyzed with the samples. This sample was analyzed the next day and met QC criteria.

Wet Chemistry Case Narrative

Client ID:	Sterling
Project/Order:	Ramapo
Work Order #:	0609069, 0609082
Methodology:	COD – EPA 410.4

Analyzed/Reviewed by (Date/Initials): 10-2-06 MS

Supervisor/Reviewed by (Date/Initials): 10-2-06 MS

QA/QC Review (Date/Initials): 10/3/06 QK

Wet Chemistry

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

I:\WC_Narrative\0609069 Sterling_cod_wc.doc

Wet Chemistry Case Narrative

Client ID:	Sterling
Project/Order:	Ramapo
Work Order #:	0609069, 0609082
Methodology:	Hardness – EPA 130.2

Analyzed/Reviewed by (Date/Initials): 10-2-06 MT

Supervisor/Reviewed by (Date/Initials): 10-2-06 MT

QA/QC Review (Date/Initials): 10/3/06

Wet Chemistry

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

I:\WC_Narrative\0609069 Sterling_hard_wc.doc

Wet Chemistry Case Narrative

Client ID:	Sterling
Project/Order:	Ramapo
Work Order #:	0609069, 0609082
Methodology:	Total alkalinity – EPA 310.1

Analyzed/Reviewed by (Date/Initials): 10-2-06 mt

Supervisor/Reviewed by (Date/Initials): 10-2-06 mt

QA/QC Review (Date/Initials): 10/2/06 GH

Wet Chemistry

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

I:\WC_Narrative\0609069 Sterling_alk_wc.doc

Wet Chemistry Case Narrative

Client ID:	Sterling
Project/Order:	Ramapo
Work Order #:	0609069, 0609082
Methodology:	Kjeldahl Nitrogen – Total (as N) – EPA 351.2

Analyzed/Reviewed by (Date/Initials): 10-2-06 MT

Supervisor/Reviewed by (Date/Initials): 10-2-06 MT

QA/QC Review (Date/Initials): 10/4/06 LL

Wet Chemistry

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

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Life Science Laboratories, Inc.

Date: *05-Oct-06*

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
Lab Order: 0609069

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0609069-001A	SVWC-93		9/12/2006 11:35:00 AM	9/13/2006
0609069-001B	SVWC-93		9/12/2006 11:35:00 AM	9/13/2006
0609069-001C	SVWC-93		9/12/2006 11:35:00 AM	9/13/2006
0609069-001D	SVWC-93		9/12/2006 11:35:00 AM	9/13/2006
0609069-002A	SVWC-94		9/12/2006 10:45:00 AM	9/13/2006
0609069-002B	SVWC-94		9/12/2006 10:45:00 AM	9/13/2006
0609069-002C	SVWC-94		9/12/2006 10:45:00 AM	9/13/2006
0609069-002D	SVWC-94		9/12/2006 10:45:00 AM	9/13/2006
0609069-003A	SVWC-95		9/12/2006 11:20:00 AM	9/13/2006
0609069-003B	SVWC-95		9/12/2006 11:20:00 AM	9/13/2006
0609069-003C	SVWC-95		9/12/2006 11:20:00 AM	9/13/2006
0609069-003D	SVWC-95		9/12/2006 11:20:00 AM	9/13/2006
0609069-004A	SVWC-96		9/12/2006 11:00:00 AM	9/13/2006
0609069-004B	SVWC-96		9/12/2006 11:00:00 AM	9/13/2006
0609069-004C	SVWC-96		9/12/2006 11:00:00 AM	9/13/2006
0609069-004D	SVWC-96		9/12/2006 11:00:00 AM	9/13/2006
0609069-005A	9-R		9/12/2006 12:30:00 AM	9/13/2006
0609069-005B	9-R		9/12/2006 12:30:00 AM	9/13/2006
0609069-005C	9-R		9/12/2006 12:30:00 AM	9/13/2006
0609069-005D	9-R		9/12/2006 12:30:00 AM	9/13/2006
0609069-006A	DUP 906		9/12/2006 12:30:00 AM	9/13/2006
0609069-006B	DUP 906		9/12/2006 12:30:00 AM	9/13/2006
0609069-006C	DUP 906		9/12/2006 12:30:00 AM	9/13/2006
0609069-006D	DUP 906		9/12/2006 12:30:00 AM	9/13/2006
0609069-007A	9-I		9/12/2006 1:00:00 PM	9/13/2006
0609069-007B	9-I		9/12/2006 1:00:00 PM	9/13/2006
0609069-007C	9-I		9/12/2006 1:00:00 PM	9/13/2006
0609069-007D	9-I		9/12/2006 1:00:00 PM	9/13/2006
0609069-008A	9-OS		9/12/2006 1:20:00 PM	9/13/2006
0609069-008B	9-OS		9/12/2006 1:20:00 PM	9/13/2006
0609069-008C	9-OS		9/12/2006 1:20:00 PM	9/13/2006
0609069-008D	9-OS		9/12/2006 1:20:00 PM	9/13/2006
0609069-009A	PW-1		9/12/2006 1:20:00 PM	9/13/2006
0609069-009B	PW-1		9/12/2006 1:20:00 PM	9/13/2006
0609069-009C	PW-1		9/12/2006 1:20:00 PM	9/13/2006
0609069-009D	PW-1		9/12/2006 1:20:00 PM	9/13/2006
0609069-010A	PW-2		9/12/2006 2:00:00 PM	9/13/2006
0609069-010B	PW-2		9/12/2006 2:00:00 PM	9/13/2006

CLIENT:	Sterling Environmental Engineering, P.C.
Project:	Ramapo
Lab Order:	0609069

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0609069-010C	PW-2		9/12/2006 2:00:00 PM	9/13/2006
0609069-010D	PW-2		9/12/2006 2:00:00 PM	9/13/2006
0609069-011A	8-R		9/12/2006 4:30:00 PM	9/13/2006
0609069-011B	8-R		9/12/2006 4:30:00 PM	9/13/2006
0609069-011C	8-R		9/12/2006 4:30:00 PM	9/13/2006
0609069-011D	8-R		9/12/2006 4:30:00 PM	9/13/2006
0609069-012A	7-OS		9/12/2006 5:00:00 PM	9/13/2006
0609069-012B	7-OS		9/12/2006 5:00:00 PM	9/13/2006
0609069-012C	7-OS		9/12/2006 5:00:00 PM	9/13/2006
0609069-012D	7-OS		9/12/2006 5:00:00 PM	9/13/2006
0609069-013D	TRIP BLANK		9/12/2006	9/13/2006
0609069-014D	Storage Blank		9/13/2006	9/13/2006

Life Science Laboratories, Inc.

Date: *05-Oct-06*

CLIENT: Sterling Environmental Engineering, P.C.
Project: Ramapo
Lab Order: 0609082

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0609082-001A	8-OS		9/13/2006 11:55:00 AM	9/14/2006
0609082-001B	8-OS		9/13/2006 11:55:00 AM	9/14/2006
0609082-001C	8-OS		9/13/2006 11:55:00 AM	9/14/2006
0609082-001D	8-OS		9/13/2006 11:55:00 AM	9/14/2006
0609082-002A	8-I		9/13/2006 12:00:00 PM	9/14/2006
0609082-002B	8-I		9/13/2006 12:00:00 PM	9/14/2006
0609082-002C	8-I		9/13/2006 12:00:00 PM	9/14/2006
0609082-002D	8-I		9/13/2006 12:00:00 PM	9/14/2006
0609082-003A	5-OS		9/13/2006 2:30:00 PM	9/14/2006
0609082-003B	5-OS		9/13/2006 2:30:00 PM	9/14/2006
0609082-003C	5-OS		9/13/2006 2:30:00 PM	9/14/2006
0609082-003D	5-OS		9/13/2006 2:30:00 PM	9/14/2006
0609082-004A	Trip Blank		9/13/2006	9/14/2006
0609082-005A	1-OS		9/13/2006 9:30:00 AM	9/14/2006
0609082-005B	1-OS		9/13/2006 9:30:00 AM	9/14/2006
0609082-005C	1-OS		9/13/2006 9:30:00 AM	9/14/2006
0609082-005D	1-OS		9/13/2006 9:30:00 AM	9/14/2006
0609082-006A	2-OS		9/13/2006 9:40:00 AM	9/14/2006
0609082-006B	2-OS		9/13/2006 9:40:00 AM	9/14/2006
0609082-006C	2-OS		9/13/2006 9:40:00 AM	9/14/2006
0609082-006D	2-OS		9/13/2006 9:40:00 AM	9/14/2006
0609082-007A	3-OS		9/13/2006 8:25:00 AM	9/14/2006
0609082-007B	3-OS		9/13/2006 8:25:00 AM	9/14/2006
0609082-007C	3-OS		9/13/2006 8:25:00 AM	9/14/2006
0609082-007D	3-OS		9/13/2006 8:25:00 AM	9/14/2006
0609082-008A	4-OS		9/13/2006 10:35:00 AM	9/14/2006
0609082-008B	4-OS		9/13/2006 10:35:00 AM	9/14/2006
0609082-008C	4-OS		9/13/2006 10:35:00 AM	9/14/2006
0609082-008D	4-OS		9/13/2006 10:35:00 AM	9/14/2006
0609082-009A	Storage Blank		9/14/2006	9/14/2006

Lab Order: 0609069
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
0609069-001A	SVWC-93	9/12/2006 11:35:00 AM	Groundwater	COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-001B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-001C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/22/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-001D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-002A	SVWC-94	9/12/2006 10:45:00 AM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-002B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-002C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-002D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-003A	SVWC-95	9/12/2006 11:20:00 AM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-003B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-003C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-003D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-004A	SVWC-96	9/12/2006 11:00:00 AM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-004B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-004C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006

Lab Order: 0609069
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
0609069-004D	SVWC-96	9/12/2006 11:00:00 AM	Groundwater	Volatile Organic Compounds by GC/MS			9/14/2006
0609069-005A	9-R	9/12/2006 12:30:00 AM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/26/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-005B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-005C				Hardness (As CaCO3)			9/29/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-005D				Volatile Organic Compounds by GC/MS			9/15/2006
0609069-006A	DUP 906			COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	10/3/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	10/3/2006
0609069-006B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-006C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-006D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-007A	9-I	9/12/2006 1:00:00 PM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-007B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-007C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-007D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-008A	9-OS	9/12/2006 1:20:00 PM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-008B				Alkalinity, Total (As CaCO3)			9/20/2006

Lab Order: 0609069
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
0609069-008C	9-OS	9/12/2006 1:20:00 PM	Groundwater	Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-008D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-009A	PW-1			COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-009B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-009C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-009D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-010A	PW-2	9/12/2006 2:00:00 PM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-010B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-010C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-010D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-011A	8-R	9/12/2006 4:30:00 PM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-011B				Alkalinity, Total (As CaCO3)			9/20/2006
0609069-011C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-011D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-012A	7-OS	9/12/2006 5:00:00 PM		COD			9/14/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609069-012B				Alkalinity, Total (As CaCO3)			9/20/2006

Lab Order: 0609069
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
0609069-012C	7-OS	9/12/2006 5:00:00 PM	Groundwater	Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609069-012D				Volatile Organic Compounds by GC/MS			9/14/2006
0609069-013D	TRIP BLANK	9/12/2006		Volatile Organic Compounds by GC/MS			9/14/2006
0609069-014D	Storage Blank	9/13/2006	Water	Volatile Organic Compounds by GC/MS			9/14/2006

Lab Order: 0609082
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
0609082-001A	8-OS	9/13/2006 11:55:00 AM	Groundwater	COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-001B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-001C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609082-001D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-002A	8-I	9/13/2006 12:00:00 PM		COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/26/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-002B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-002C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609082-002D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-003A	5-OS	9/13/2006 2:30:00 PM		COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-003B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-003C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609082-003D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-004A	Trip Blank	9/13/2006	Water	Volatile Organic Compounds by GC/MS			9/15/2006
0609082-005A	1-OS	9/13/2006 9:30:00 AM	Groundwater	COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-005B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-005C				Hardness (As CaCO3)			9/26/2006
				Mercury		9/19/2006	9/19/2006

Lab Order: 0609082
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
0609082-005C	1-OS	9/13/2006 9:30:00 AM	Groundwater	Total Metals by ICP		9/15/2006	9/21/2006
0609082-005D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-006A	2-OS	9/13/2006 9:40:00 AM		COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-006B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-006C				Hardness (As CaCO3)			9/27/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609082-006D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-007A	3-OS	9/13/2006 8:25:00 AM		COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-007B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-007C				Hardness (As CaCO3)			9/27/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609082-007D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-008A	4-OS	9/13/2006 10:35:00 AM		COD			9/19/2006
				Kjeldahl Nitrogen - Total (as N)		9/25/2006	9/25/2006
0609082-008B				Alkalinity, Total (As CaCO3)			9/20/2006
0609082-008C				Hardness (As CaCO3)			9/27/2006
				Mercury		9/19/2006	9/19/2006
				Total Metals by ICP		9/15/2006	9/21/2006
0609082-008D				Volatile Organic Compounds by GC/MS			9/15/2006
0609082-009A	Storage Blank	9/14/2006	Water	Volatile Organic Compounds by GC/MS			9/15/2006

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:**	**0609069-001D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-93***
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4634.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	09/14/06 15:57
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 15:57
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 15:57
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 15:57
Surr: 1,2-Dichloroethane-d4	111		75-134	0.04	%REC	1	09/14/06 15:57
Surr: 4-Bromofluorobenzene	104		75-125	0.04	%REC	1	09/14/06 15:57
Surr: Dibromofluoromethane	96.0		75-127	0.03	%REC	1	09/14/06 15:57
Surr: Toluene-d8	110		75-125	0.01	%REC	1	09/14/06 15:57

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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:**	**0609069-002D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-94***
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4635.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	09/14/06 16:30
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 16:30
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 16:30
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 16:30
Surr: 1,2-Dichloroethane-d4	110		75-134	0.04	%REC	1	09/14/06 16:30
Surr: 4-Bromofluorobenzene	106		75-125	0.04	%REC	1	09/14/06 16:30
Surr: Dibromofluoromethane	98.8		75-127	0.03	%REC	1	09/14/06 16:30
Surr: Toluene-d8	110		75-125	0.01	%REC	1	09/14/06 16:30

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-003D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-95***
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4636.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	09/14/06 17:03
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 17:03
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 17:03
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 17:03
Surr: 1,2-Dichloroethane-d4	111		75-134	0.04	%REC	1	09/14/06 17:03
Surr: 4-Bromofluorobenzene	103		75-125	0.04	%REC	1	09/14/06 17:03
Surr: Dibromofluoromethane	98.7		75-127	0.03	%REC	1	09/14/06 17:03
Surr: Toluene-d8	109		75-125	0.01	%REC	1	09/14/06 17:03

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-004D**
Project:	Ramapo	**Client Sample ID:**	***SVWC-96***
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4637.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	09/14/06 17:36
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 17:36
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 17:36
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 17:36
Surr: 1,2-Dichloroethane-d4	112		75-134	0.04	%REC	1	09/14/06 17:36
Surr: 4-Bromofluorobenzene	103		75-125	0.04	%REC	1	09/14/06 17:36
Surr: Dibromofluoromethane	100		75-127	0.03	%REC	1	09/14/06 17:36
Surr: Toluene-d8	110		75-125	0.01	%REC	1	09/14/06 17:36

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-005D**
Project:	Ramapo	**Client Sample ID:**	***9-R***
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4654.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	09/15/06 13:47
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 13:47
Chlorobenzene	0.24	J	0.50	0.01	µg/L	1	09/15/06 13:47
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 13:47
Surr: 1,2-Dichloroethane-d4	107		75-134	0.04	%REC	1	09/15/06 13:47
Surr: 4-Bromofluorobenzene	95.9		75-125	0.04	%REC	1	09/15/06 13:47
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	09/15/06 13:47
Surr: Toluene-d8	106		75-125	0.01	%REC	1	09/15/06 13:47

Qualifiers:

- 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
- U Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-006D**
Project:	Ramapo	**Client Sample ID:**	***DUP 906***
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4638.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	09/14/06 18:10
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 18:10
Chlorobenzene	0.25	J	0.50	0.01	µg/L	1	09/14/06 18:10
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 18:10
Surr: 1,2-Dichloroethane-d4	112		75-134	0.04	%REC	1	09/14/06 18:10
Surr: 4-Bromofluorobenzene	104		75-125	0.04	%REC	1	09/14/06 18:10
Surr: Dibromofluoromethane	99.5		75-127	0.03	%REC	1	09/14/06 18:10
Surr: Toluene-d8	112		75-125	0.01	%REC	1	09/14/06 18:10

Qualifiers:			
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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-007D**
Project:	Ramapo	**Client Sample ID:**	***9-I***
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4639.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	09/14/06 18:43
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 18:43
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 18:43
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 18:43
Surr: 1,2-Dichloroethane-d4	113		75-134	0.04	%REC	1	09/14/06 18:43
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	09/14/06 18:43
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	09/14/06 18:43
Surr: Toluene-d8	110		75-125	0.01	%REC	1	09/14/06 18:43

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-008D**
Project:	Ramapo	**Client Sample ID:**	***9-OS***
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4640.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	09/14/06 19:16
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 19:16
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 19:16
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 19:16
Surr: 1,2-Dichloroethane-d4	112		75-134	0.04	%REC	1	09/14/06 19:16
Surr: 4-Bromofluorobenzene	98.2		75-125	0.04	%REC	1	09/14/06 19:16
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	09/14/06 19:16
Surr: Toluene-d8	109		75-125	0.01	%REC	1	09/14/06 19:16

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-009D**
Project:	Ramapo	**Client Sample ID:**	***PW-1***
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4641.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	09/14/06 19:49
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 19:49
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 19:49
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 19:49
Surr: 1,2-Dichloroethane-d4	113		75-134	0.04	%REC	1	09/14/06 19:49
Surr: 4-Bromofluorobenzene	102		75-125	0.04	%REC	1	09/14/06 19:49
Surr: Dibromofluoromethane	98.0		75-127	0.03	%REC	1	09/14/06 19:49
Surr: Toluene-d8	111		75-125	0.01	%REC	1	09/14/06 19:49

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-010D**
Project:	Ramapo	**Client Sample ID:**	***PW-2***
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4642.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	09/14/06 20:22
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 20:22
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 20:22
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 20:22
Surr: 1,2-Dichloroethane-d4	116		75-134	0.04	%REC	1	09/14/06 20:22
Surr: 4-Bromofluorobenzene	100		75-125	0.04	%REC	1	09/14/06 20:22
Surr: Dibromofluoromethane	99.6		75-127	0.03	%REC	1	09/14/06 20:22
Surr: Toluene-d8	111		75-125	0.01	%REC	1	09/14/06 20:22

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-011D**
Project:	Ramapo	**Client Sample ID:**	***8-R***
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4643.D
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
VOLATILE ORGANIC COMPOUNDS BY GC/MS				**SW8260B**			
1,1-Dichloroethane	0.24	J	0.50	0.03	µg/L	1	09/14/06 20:55
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 20:55
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 20:55
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 20:55
Surr: 1,2-Dichloroethane-d4	114		75-134	0.04	%REC	1	09/14/06 20:55
Surr: 4-Bromofluorobenzene	98.6		75-125	0.04	%REC	1	09/14/06 20:55
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	09/14/06 20:55
Surr: Toluene-d8	111		75-125	0.01	%REC	1	09/14/06 20:55

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-012D**
Project:	Ramapo	**Client Sample ID:**	***7-OS***
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4644.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	09/14/06 21:27
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 21:27
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 21:27
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 21:27
Surr: 1,2-Dichloroethane-d4	115		75-134	0.04	%REC	1	09/14/06 21:27
Surr: 4-Bromofluorobenzene	100		75-125	0.04	%REC	1	09/14/06 21:27
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	09/14/06 21:27
Surr: Toluene-d8	110		75-125	0.01	%REC	1	09/14/06 21:27

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-013D**
Project:	Ramapo	**Client Sample ID:**	***TRIP BLANK***
W Order:	0609069	**Collection Date:**	09/12/06 0:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4632.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	09/14/06 14:51
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 14:51
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 14:51
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 14:51
Surr: 1,2-Dichloroethane-d4	109		75-134	0.04	%REC	1	09/14/06 14:51
Surr: 4-Bromofluorobenzene	104		75-125	0.04	%REC	1	09/14/06 14:51
Surr: Dibromofluoromethane	99.1		75-127	0.03	%REC	1	09/14/06 14:51
Surr: Toluene-d8	110		75-125	0.01	%REC	1	09/14/06 14:51

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-014D**
Project:	Ramapo	**Client Sample ID:**	***Storage Blank***
W Order:	0609069	**Collection Date:**	09/13/06 0:00
Matrix:	WATER	**Date Received:**	09/13/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6606
Revision:	09/15/06 15:05	**TestCode:** 8260W	**FileID:** 1-SAMP-T4633.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	09/14/06 15:24
Benzene	ND		0.50	0.01	µg/L	1	09/14/06 15:24
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/14/06 15:24
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/14/06 15:24
Surr: 1,2-Dichloroethane-d4	108		75-134	0.04	%REC	1	09/14/06 15:24
Surr: 4-Bromofluorobenzene	107		75-125	0.04	%REC	1	09/14/06 15:24
Surr: Dibromofluoromethane	97.2		75-127	0.03	%REC	1	09/14/06 15:24
Surr: Toluene-d8	111		75-125	0.01	%REC	1	09/14/06 15:24

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:40 **Project Supervisor:** Thomas A. Alexander

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:**	**0609082-001D**
Project:	Ramapo	**Client Sample ID:**	***8-OS***
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4656.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	09/15/06 14:52
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 14:52
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 14:52
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 14:52
Surr: 1,2-Dichloroethane-d4	103		75-134	0.04	%REC	1	09/15/06 14:52
Surr: 4-Bromofluorobenzene	92.7		75-125	0.04	%REC	1	09/15/06 14:52
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	09/15/06 14:52
Surr: Toluene-d8	107		75-125	0.01	%REC	1	09/15/06 14:52

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

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:**	**0609082-002D**
Project:	Ramapo	**Client Sample ID:**	***8-I***
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4657.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	09/15/06 15:24
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 15:24
Chlorobenzene	0.67		0.50	0.01	µg/L	1	09/15/06 15:24
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 15:24
Surr: 1,2-Dichloroethane-d4	107		75-134	0.04	%REC	1	09/15/06 15:24
Surr: 4-Bromofluorobenzene	93.7		75-125	0.04	%REC	1	09/15/06 15:24
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	09/15/06 15:24
Surr: Toluene-d8	105		75-125	0.01	%REC	1	09/15/06 15:24

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

Life Science Laboratories, Inc.
5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-003D**
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4658.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	09/15/06 15:57
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 15:57
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 15:57
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 15:57
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	09/15/06 15:57
Surr: 4-Bromofluorobenzene	92.8		75-125	0.04	%REC	1	09/15/06 15:57
Surr: Dibromofluoromethane	101		75-127	0.03	%REC	1	09/15/06 15:57
Surr: Toluene-d8	106		75-125	0.01	%REC	1	09/15/06 15:57

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-004A**
Project:	Ramapo	**Client Sample ID:**	***Trip Blank***
W Order:	0609082	**Collection Date:**	09/13/06 0:00
Matrix:	WATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4659.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	09/15/06 16:31
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 16:31
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 16:31
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 16:31
Surr: 1,2-Dichloroethane-d4	107		75-134	0.04	%REC	1	09/15/06 16:31
Surr: 4-Bromofluorobenzene	93.9		75-125	0.04	%REC	1	09/15/06 16:31
Surr: Dibromofluoromethane	106		75-127	0.03	%REC	1	09/15/06 16:31
Surr: Toluene-d8	107		75-125	0.01	%REC	1	09/15/06 16:31

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-005D**
Project:	Ramapo	**Client Sample ID:**	*1-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4660.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	09/15/06 17:04
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 17:04
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 17:04
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 17:04
Surr: 1,2-Dichloroethane-d4	108		75-134	0.04	%REC	1	09/15/06 17:04
Surr: 4-Bromofluorobenzene	92.1		75-125	0.04	%REC	1	09/15/06 17:04
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	09/15/06 17:04
Surr: Toluene-d8	108		75-125	0.01	%REC	1	09/15/06 17:04

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-006D**
Project:	Ramapo	**Client Sample ID:**	***2-OS***
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4661.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	09/15/06 17:36
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 17:36
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 17:36
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 17:36
Surr: 1,2-Dichloroethane-d4	105		75-134	0.04	%REC	1	09/15/06 17:36
Surr: 4-Bromofluorobenzene	90.4		75-125	0.04	%REC	1	09/15/06 17:36
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	09/15/06 17:36
Surr: Toluene-d8	106		75-125	0.01	%REC	1	09/15/06 17:36

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-007D**
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:**	10 mL
ColumnID:	Rtx-VMS	**%Moisture:**	
Revision:	09/18/06 10:36	**TestCode:**	8260W
Col Type:		**PrepDate:**	
		BatchNo:	R6629
		FileID:	1-SAMP-T4662.D

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	09/15/06 18:09
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 18:09
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 18:09
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 18:09
Surr: 1,2-Dichloroethane-d4	106		75-134	0.04	%REC	1	09/15/06 18:09
Surr: 4-Bromofluorobenzene	90.5		75-125	0.04	%REC	1	09/15/06 18:09
Surr: Dibromofluoromethane	102		75-127	0.03	%REC	1	09/15/06 18:09
Surr: Toluene-d8	106		75-125	0.01	%REC	1	09/15/06 18:09

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-008D**
Project:	Ramapo	**Client Sample ID:**	***4-OS***
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4663.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	09/15/06 18:42
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 18:42
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 18:42
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 18:42
Surr: 1,2-Dichloroethane-d4	107		75-134	0.04	%REC	1	09/15/06 18:42
Surr: 4-Bromofluorobenzene	93.5		75-125	0.04	%REC	1	09/15/06 18:42
Surr: Dibromofluoromethane	104		75-127	0.03	%REC	1	09/15/06 18:42
Surr: Toluene-d8	109		75-125	0.01	%REC	1	09/15/06 18:42

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/18/06 10:49 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-009A**
Project:	Ramapo	**Client Sample ID:**	***Storage Blank***
W Order:	0609082	**Collection Date:**	09/14/06 0:00
Matrix:	WATER	**Date Received:**	09/14/06 8:40
Inst. ID:	MS01 11	**Sample Size:** 10 mL	**PrepDate:**
ColumnID:	Rtx-VMS	**%Moisture:**	**BatchNo:** R6629
Revision:	09/18/06 10:36	**TestCode:** 8260W	**FileID:** 1-SAMP-T4664.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	09/15/06 19:16
Benzene	ND		0.50	0.01	µg/L	1	09/15/06 19:16
Chlorobenzene	ND		0.50	0.01	µg/L	1	09/15/06 19:16
Vinyl chloride	ND		1.00	0.04	µg/L	1	09/15/06 19:16
Surr: 1,2-Dichloroethane-d4	104		75-134	0.04	%REC	1	09/15/06 19:16
Surr: 4-Bromofluorobenzene	92.3		75-125	0.04	%REC	1	09/15/06 19:16
Surr: Dibromofluoromethane	103		75-127	0.03	%REC	1	09/15/06 19:16
Surr: Toluene-d8	106		75-125	0.01	%REC	1	09/15/06 19:16

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-001C
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:02

Qualifiers:			
	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-002C
Project:	Ramapo	**Client Sample ID:**	*SVWC-94*
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:08

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-003C
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:10

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-004C
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:12

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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

Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-005C
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:16

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-006C
Project:	Ramapo	**Client Sample ID:**	*DUP 906*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:25

Qualifiers:			
	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-007C
Project:	Ramapo	**Client Sample ID:**	*9-I*
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:27

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-008C
Project:	Ramapo	**Client Sample ID:**	*9-OS*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:29

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-009C
Project:	Ramapo	**Client Sample ID:**	*PW-1*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:36

Qualifiers:			
	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-010C
Project:	Ramapo	**Client Sample ID:**	*PW-2*
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:38

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-011C
Project:	Ramapo	**Client Sample ID:**	*8-R*
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:40

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-012C
Project:	Ramapo	**Client Sample ID:**	*7-OS*
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:42

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-001C
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:44

Qualifiers:			
	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		U Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-002C
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**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	09/19/06 16:46

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-003C**
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				**SW7470A**	**(SW7470A)**		
Mercury	0.00014	J	0.00020	0.000026	mg/L	1	09/19/06 16:49

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-005C
Project:	Ramapo	**Client Sample ID:**	*1-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY				**SW7470A**	**(SW7470A)**		
Mercury	0.00012	J	0.00020	0.000026	mg/L	1	09/19/06 16:51

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-006C
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:53

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

LSL **Life Science Laboratories, Inc.**
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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-007C
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 16:55

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-008C**
Project:	Ramapo	**Client Sample ID:**	***4-OS***
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	FIMS 100	**Sample Size:** 50 mL	**PrepDate:** 09/19/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3850/R6664
Revision:	09/20/06 8:36	**TestCode:** HG7470W	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
MERCURY				**SW7470A**	**(SW7470A)**		**Date Analyzed**
Mercury	ND		0.00020	0.000026	mg/L	1	09/19/06 17:02

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 8:21 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-001C
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33071
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.063		0.050	0.012	mg/L	1	09/21/06 11:11
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 11:11
Arsenic	0.0012	J	0.0050	0.0012	mg/L	1	09/21/06 11:11
Barium	0.0096	J	0.10	0.00054	mg/L	1	09/21/06 11:11
Beryllium	0.00014	J	0.0030	0.00010	mg/L	1	09/21/06 11:11
Cadmium	0.00059	J	0.0010	0.00042	mg/L	1	09/21/06 11:11
Calcium	21		1.0	0.040	mg/L	1	09/21/06 11:11
Chromium	0.0032	J	0.010	0.0014	mg/L	1	09/21/06 11:11
Cobalt	0.0022	J	0.010	0.0019	mg/L	1	09/21/06 11:11
Copper	0.0076	J	0.010	0.0019	mg/L	1	09/21/06 11:11
Iron	0.021	J	0.050	0.0050	mg/L	1	09/21/06 11:11
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 11:11
Magnesium	5.2		1.0	0.013	mg/L	1	09/21/06 11:11
Manganese	0.00062	J	0.050	0.00026	mg/L	1	09/21/06 11:11
Nickel	ND		0.050	0.0011	mg/L	1	09/21/06 11:11
Potassium	2.0	J	5.0	0.068	mg/L	1	09/21/06 11:11
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 11:11
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 11:11
Sodium	52		1.0	0.0085	mg/L	1	09/21/06 11:11
Thallium	0.0076	J	0.010	0.0059	mg/L	1	09/21/06 11:11
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 11:11
Zinc	0.036		0.010	0.0014	mg/L	1	09/21/06 11:11

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-002C
Project:	Ramapo	**Client Sample ID:**	*SVWC-94*
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33072
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		**Date Analyzed**
Aluminum	0.056		0.050	0.012	mg/L	1	09/21/06 11:15
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 11:15
Arsenic	ND		0.0050	0.0012	mg/L	1	09/21/06 11:15
Barium	0.013	J	0.10	0.00054	mg/L	1	09/21/06 11:15
Beryllium	ND		0.0030	0.00010	mg/L	1	09/21/06 11:15
Cadmium	ND		0.0010	0.00042	mg/L	1	09/21/06 11:15
Calcium	21		1.0	0.040	mg/L	1	09/21/06 11:15
Chromium	0.0020	J	0.010	0.0014	mg/L	1	09/21/06 11:15
Cobalt	ND		0.010	0.0019	mg/L	1	09/21/06 11:15
Copper	0.0070	J	0.010	0.0019	mg/L	1	09/21/06 11:15
Iron	ND		0.050	0.0050	mg/L	1	09/21/06 11:15
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 11:15
Magnesium	5.3		1.0	0.013	mg/L	1	09/21/06 11:15
Manganese	0.0032	J	0.050	0.00026	mg/L	1	09/21/06 11:15
Nickel	ND		0.050	0.0011	mg/L	1	09/21/06 11:15
Potassium	1.7	J	5.0	0.068	mg/L	1	09/21/06 11:15
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 11:15
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 11:15
Sodium	47		1.0	0.0085	mg/L	1	09/21/06 11:15
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 11:15
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 11:15
Zinc	0.036		0.010	0.0014	mg/L	1	09/21/06 11:15

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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:**	0609069-003C
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33073
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		**Date Analyzed**
Aluminum	0.037	J	0.050	0.012	mg/L	1	09/21/06 11:18
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 11:18
Arsenic	0.0020	J	0.0050	0.0012	mg/L	1	09/21/06 11:18
Barium	0.010	J	0.10	0.00054	mg/L	1	09/21/06 11:18
Beryllium	ND		0.0030	0.00010	mg/L	1	09/21/06 11:18
Cadmium	ND		0.0010	0.00042	mg/L	1	09/21/06 11:18
Calcium	20		1.0	0.040	mg/L	1	09/21/06 11:18
Chromium	ND		0.010	0.0014	mg/L	1	09/21/06 11:18
Cobalt	ND		0.010	0.0019	mg/L	1	09/21/06 11:18
Copper	0.0061	J	0.010	0.0019	mg/L	1	09/21/06 11:18
Iron	0.26		0.050	0.0050	mg/L	1	09/21/06 11:18
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 11:18
Magnesium	5.1		1.0	0.013	mg/L	1	09/21/06 11:18
Manganese	0.025	J	0.050	0.00026	mg/L	1	09/21/06 11:18
Nickel	0.0014	J	0.050	0.0011	mg/L	1	09/21/06 11:18
Potassium	1.7	J	5.0	0.068	mg/L	1	09/21/06 11:18
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 11:18
Silver	0.0015	J	0.010	0.00090	mg/L	1	09/21/06 11:18
Sodium	36		1.0	0.0085	mg/L	1	09/21/06 11:18
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 11:18
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 11:18
Zinc	0.025		0.010	0.0014	mg/L	1	09/21/06 11:18

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-004C
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33074
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.014	J	0.050	0.012	mg/L	1	09/21/06 11:22
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 11:22
Arsenic	0.0013	J	0.0050	0.0012	mg/L	1	09/21/06 11:22
Barium	0.0072	J	0.10	0.00054	mg/L	1	09/21/06 11:22
Beryllium	ND		0.0030	0.00010	mg/L	1	09/21/06 11:22
Cadmium	ND		0.0010	0.00042	mg/L	1	09/21/06 11:22
Calcium	18		1.0	0.040	mg/L	1	09/21/06 11:22
Chromium	ND		0.010	0.0014	mg/L	1	09/21/06 11:22
Cobalt	ND		0.010	0.0019	mg/L	1	09/21/06 11:22
Copper	0.0068	J	0.010	0.0019	mg/L	1	09/21/06 11:22
Iron	ND		0.050	0.0050	mg/L	1	09/21/06 11:22
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 11:22
Magnesium	4.9		1.0	0.013	mg/L	1	09/21/06 11:22
Manganese	ND		0.050	0.00026	mg/L	1	09/21/06 11:22
Nickel	ND		0.050	0.0011	mg/L	1	09/21/06 11:22
Potassium	1.3	J	5.0	0.068	mg/L	1	09/21/06 11:22
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 11:22
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 11:22
Sodium	47		1.0	0.0085	mg/L	1	09/21/06 11:22
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 11:22
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 11:22
Zinc	0.024		0.010	0.0014	mg/L	1	09/21/06 11:22

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-005C
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33078
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3005A)		
Aluminum	0.073		0.050	0.012	mg/L	1	09/21/06 11:42
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 11:42
Arsenic	0.0059		0.0050	0.0012	mg/L	1	09/21/06 11:42
Barium	0.021	J	0.10	0.00054	mg/L	1	09/21/06 11:42
Beryllium	ND		0.0030	0.00010	mg/L	1	09/21/06 11:42
Cadmium	0.00053	J	0.0010	0.00042	mg/L	1	09/21/06 11:42
Calcium	27		1.0	0.040	mg/L	1	09/21/06 11:42
Chromium	0.0041	J	0.010	0.0014	mg/L	1	09/21/06 11:42
Cobalt	0.0037	J	0.010	0.0019	mg/L	1	09/21/06 11:42
Copper	ND		0.010	0.0019	mg/L	1	09/21/06 11:42
Iron	7.0		0.050	0.0050	mg/L	1	09/21/06 11:42
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 11:42
Magnesium	8.3		1.0	0.013	mg/L	1	09/21/06 11:42
Manganese	2.8		0.050	0.00026	mg/L	1	09/21/06 11:42
Nickel	0.0018	J	0.050	0.0011	mg/L	1	09/21/06 11:42
Potassium	11		5.0	0.068	mg/L	1	09/21/06 11:42
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 11:42
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 11:42
Sodium	28		1.0	0.0085	mg/L	1	09/21/06 11:42
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 11:42
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 11:42
Zinc	0.028		0.010	0.0014	mg/L	1	09/21/06 11:42

Qualifiers:	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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-006C
Project:	Ramapo	**Client Sample ID:**	*DUP 906*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33084
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.093		0.050	0.012	mg/L	1	09/21/06 12:03
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:03
Arsenic	0.0077		0.0050	0.0012	mg/L	1	09/21/06 12:03
Barium	0.021	J	0.10	0.00054	mg/L	1	09/21/06 12:03
Beryllium	ND		0.0030	0.00010	mg/L	1	09/21/06 12:03
Cadmium	ND		0.0010	0.00042	mg/L	1	09/21/06 12:03
Calcium	27		1.0	0.040	mg/L	1	09/21/06 12:03
Chromium	0.0039	J	0.010	0.0014	mg/L	1	09/21/06 12:03
Cobalt	0.0031	J	0.010	0.0019	mg/L	1	09/21/06 12:03
Copper	ND		0.010	0.0019	mg/L	1	09/21/06 12:03
Iron	8.8		0.050	0.0050	mg/L	1	09/21/06 12:03
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 12:03
Magnesium	8.1		1.0	0.013	mg/L	1	09/21/06 12:03
Manganese	2.7		0.050	0.00026	mg/L	1	09/21/06 12:03
Nickel	0.0016	J	0.050	0.0011	mg/L	1	09/21/06 12:03
Potassium	11		5.0	0.068	mg/L	1	09/21/06 12:03
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:03
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:03
Sodium	27		1.0	0.0085	mg/L	1	09/21/06 12:03
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 12:03
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 12:03
Zinc	0.021		0.010	0.0014	mg/L	1	09/21/06 12:03

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-007C
Project:	Ramapo	**Client Sample ID:**	*9-I*
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33085
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	12		0.050	0.012	mg/L	1	09/21/06 12:06
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:06
Arsenic	0.0045	J	0.0050	0.0012	mg/L	1	09/21/06 12:06
Barium	0.11		0.10	0.00054	mg/L	1	09/21/06 12:06
Beryllium	0.00077	J	0.0030	0.00010	mg/L	1	09/21/06 12:06
Cadmium	0.00073	J	0.0010	0.00042	mg/L	1	09/21/06 12:06
Calcium	8.1		1.0	0.040	mg/L	1	09/21/06 12:06
Chromium	0.036		0.010	0.0014	mg/L	1	09/21/06 12:06
Cobalt	0.014		0.010	0.0019	mg/L	1	09/21/06 12:06
Copper	0.027		0.010	0.0019	mg/L	1	09/21/06 12:06
Iron	24		0.050	0.0050	mg/L	1	09/21/06 12:06
Lead	0.0035	J	0.0050	0.00084	mg/L	1	09/21/06 12:06
Magnesium	5.1		1.0	0.013	mg/L	1	09/21/06 12:06
Manganese	0.29		0.050	0.00026	mg/L	1	09/21/06 12:06
Nickel	0.018	J	0.050	0.0011	mg/L	1	09/21/06 12:06
Potassium	3.9	J	5.0	0.068	mg/L	1	09/21/06 12:06
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:06
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:06
Sodium	9.4		1.0	0.0085	mg/L	1	09/21/06 12:06
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 12:06
Vanadium	0.025	J	0.050	0.0020	mg/L	1	09/21/06 12:06
Zinc	0.065		0.010	0.0014	mg/L	1	09/21/06 12:06

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-008C
Project:	Ramapo	**Client Sample ID:**	*9-OS*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33086
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	1.0		0.050	0.012	mg/L	1	09/21/06 12:09
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:09
Arsenic	ND		0.0050	0.0012	mg/L	1	09/21/06 12:09
Barium	0.017	J	0.10	0.00054	mg/L	1	09/21/06 12:09
Beryllium	0.00014	J	0.0030	0.00010	mg/L	1	09/21/06 12:09
Cadmium	0.00067	J	0.0010	0.00042	mg/L	1	09/21/06 12:09
Calcium	7.6		1.0	0.040	mg/L	1	09/21/06 12:09
Chromium	0.055		0.010	0.0014	mg/L	1	09/21/06 12:09
Cobalt	0.0022	J	0.010	0.0019	mg/L	1	09/21/06 12:09
Copper	0.0036	J	0.010	0.0019	mg/L	1	09/21/06 12:09
Iron	1.6		0.050	0.0050	mg/L	1	09/21/06 12:09
Lead	0.0010	J	0.0050	0.00084	mg/L	1	09/21/06 12:09
Magnesium	2.0		1.0	0.013	mg/L	1	09/21/06 12:09
Manganese	0.051		0.050	0.00026	mg/L	1	09/21/06 12:09
Nickel	0.0067	J	0.050	0.0011	mg/L	1	09/21/06 12:09
Potassium	5.1		5.0	0.068	mg/L	1	09/21/06 12:09
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:09
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:09
Sodium	5.3		1.0	0.0085	mg/L	1	09/21/06 12:09
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 12:09
Vanadium	0.0027	J	0.050	0.0020	mg/L	1	09/21/06 12:09
Zinc	0.036		0.010	0.0014	mg/L	1	09/21/06 12:09

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-009C
Project:	Ramapo	**Client Sample ID:**	*PW-1*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33087
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.076		0.050	0.012	mg/L	1	09/21/06 12:13
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:13
Arsenic	ND		0.0050	0.0012	mg/L	1	09/21/06 12:13
Barium	0.0072	J	0.10	0.00054	mg/L	1	09/21/06 12:13
Beryllium	ND		0.0030	0.00010	mg/L	1	09/21/06 12:13
Cadmium	0.00053	J	0.0010	0.00042	mg/L	1	09/21/06 12:13
Calcium	10		1.0	0.040	mg/L	1	09/21/06 12:13
Chromium	0.0027	J	0.010	0.0014	mg/L	1	09/21/06 12:13
Cobalt	0.0021	J	0.010	0.0019	mg/L	1	09/21/06 12:13
Copper	0.069		0.010	0.0019	mg/L	1	09/21/06 12:13
Iron	0.015	J	0.050	0.0050	mg/L	1	09/21/06 12:13
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 12:13
Magnesium	2.7		1.0	0.013	mg/L	1	09/21/06 12:13
Manganese	0.00075	J	0.050	0.00026	mg/L	1	09/21/06 12:13
Nickel	ND		0.050	0.0011	mg/L	1	09/21/06 12:13
Potassium	1.2	J	5.0	0.068	mg/L	1	09/21/06 12:13
Selenium	0.0030	J	0.0050	0.0026	mg/L	1	09/21/06 12:13
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:13
Sodium	14		1.0	0.0085	mg/L	1	09/21/06 12:13
Thallium	ND		0.010	0.0059	mg/L	1	09/21/06 12:13
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 12:13
Zinc	0.046		0.010	0.0014	mg/L	1	09/21/06 12:13

Qualifiers:

- 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
- U Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-010C**
Project:	Ramapo	**Client Sample ID:**	*PW-2*
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	10/17/06 12:54	**TestCode:** 6010W05	**FileID:** 1-SAMP-33091
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.067		0.050	0.012	mg/L	1	09/21/06 12:26
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:26
Arsenic	ND		0.0050	0.0012	mg/L	1	09/21/06 12:26
Barium	0.0026	J	0.10	0.00054	mg/L	1	09/21/06 12:26
Beryllium	0.00012	J	0.0030	0.00010	mg/L	1	09/21/06 12:26
Cadmium	0.00062	J	0.0010	0.00042	mg/L	1	09/21/06 12:26
Calcium	28		1.0	0.040	mg/L	1	09/21/06 12:26
Chromium	0.0028	J	0.010	0.0014	mg/L	1	09/21/06 12:26
Cobalt	0.0024	J	0.010	0.0019	mg/L	1	09/21/06 12:26
Copper	0.050		0.010	0.0019	mg/L	1	09/21/06 12:26
Iron	0.034	J	0.050	0.0050	mg/L	1	09/21/06 12:26
Lead	0.0021	J	0.0050	0.00084	mg/L	1	09/21/06 12:26
Magnesium	3.2		1.0	0.013	mg/L	1	09/21/06 12:26
Manganese	0.0014	J	0.050	0.00026	mg/L	1	09/21/06 12:26
Nickel	ND		0.050	0.0011	mg/L	1	09/21/06 12:26
Potassium	1.1	J	5.0	0.068	mg/L	1	09/21/06 12:26
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:26
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:26
Sodium	7.4		1.0	0.0085	mg/L	1	09/21/06 12:26
Thallium	0.0088	J	0.010	0.0059	mg/L	1	09/21/06 12:26
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 12:26
Zinc	0.041		0.010	0.0014	mg/L	1	09/21/06 12:26

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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: 10/17/06 12:55 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-011C
Project:	Ramapo	**Client Sample ID:**	*8-R*
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33092
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3005A)		
Aluminum	1.2		0.050	0.012	mg/L	1	09/21/06 12:30
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:30
Arsenic	0.0031	J	0.0050	0.0012	mg/L	1	09/21/06 12:30
Barium	0.029	J	0.10	0.00054	mg/L	1	09/21/06 12:30
Beryllium	0.00028	J	0.0030	0.00010	mg/L	1	09/21/06 12:30
Cadmium	0.0012		0.0010	0.00042	mg/L	1	09/21/06 12:30
Calcium	170		1.0	0.040	mg/L	1	09/21/06 12:30
Chromium	0.042		0.010	0.0014	mg/L	1	09/21/06 12:30
Cobalt	0.026		0.010	0.0019	mg/L	1	09/21/06 12:30
Copper	0.084		0.010	0.0019	mg/L	1	09/21/06 12:30
Iron	4.7		0.050	0.0050	mg/L	1	09/21/06 12:30
Lead	0.0040	J	0.0050	0.00084	mg/L	1	09/21/06 12:30
Magnesium	44		1.0	0.013	mg/L	1	09/21/06 12:30
Manganese	2.2		0.050	0.00026	mg/L	1	09/21/06 12:30
Nickel	0.036	J	0.050	0.0011	mg/L	1	09/21/06 12:30
Potassium	5.7		5.0	0.068	mg/L	1	09/21/06 12:30
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:30
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:30
Sodium	46		1.0	0.0085	mg/L	1	09/21/06 12:30
Thallium	0.0094	J	0.010	0.0059	mg/L	1	09/21/06 12:30
Vanadium	0.0041	J	0.050	0.0020	mg/L	1	09/21/06 12:30
Zinc	0.031		0.010	0.0014	mg/L	1	09/21/06 12:30

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:30 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609069-012C
Project:	Ramapo	**Client Sample ID:**	*7-OS*
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33093
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	11		0.050	0.012	mg/L	1	09/21/06 12:34
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:34
Arsenic	0.0047	J	0.0050	0.0012	mg/L	1	09/21/06 12:34
Barium	0.095	J	0.10	0.00054	mg/L	1	09/21/06 12:34
Beryllium	0.00073	J	0.0030	0.00010	mg/L	1	09/21/06 12:34
Cadmium	0.0010		0.0010	0.00042	mg/L	1	09/21/06 12:34
Calcium	35		1.0	0.040	mg/L	1	09/21/06 12:34
Chromium	0.087		0.010	0.0014	mg/L	1	09/21/06 12:34
Cobalt	0.034		0.010	0.0019	mg/L	1	09/21/06 12:34
Copper	0.028		0.010	0.0019	mg/L	1	09/21/06 12:34
Iron	17		0.050	0.0050	mg/L	1	09/21/06 12:34
Lead	0.0063		0.0050	0.00084	mg/L	1	09/21/06 12:34
Magnesium	9.8		1.0	0.013	mg/L	1	09/21/06 12:34
Manganese	1.3		0.050	0.00026	mg/L	1	09/21/06 12:34
Nickel	0.026	J	0.050	0.0011	mg/L	1	09/21/06 12:34
Potassium	5.6		5.0	0.068	mg/L	1	09/21/06 12:34
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:34
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:34
Sodium	7.0		1.0	0.0085	mg/L	1	09/21/06 12:34
Thallium	0.0076	J	0.010	0.0059	mg/L	1	09/21/06 12:34
Vanadium	0.021	J	0.050	0.0020	mg/L	1	09/21/06 12:34
Zinc	0.053		0.010	0.0014	mg/L	1	09/21/06 12:34

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-001C
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33094
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.14		0.050	0.012	mg/L	1	09/21/06 12:37
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:37
Arsenic	ND		0.0050	0.0012	mg/L	1	09/21/06 12:37
Barium	0.0089	J	0.10	0.00054	mg/L	1	09/21/06 12:37
Beryllium	0.00016	J	0.0030	0.00010	mg/L	1	09/21/06 12:37
Cadmium	0.00092	J	0.0010	0.00042	mg/L	1	09/21/06 12:37
Calcium	17		1.0	0.040	mg/L	1	09/21/06 12:37
Chromium	0.14		0.010	0.0014	mg/L	1	09/21/06 12:37
Cobalt	0.0042	J	0.010	0.0019	mg/L	1	09/21/06 12:37
Copper	0.0020	J	0.010	0.0019	mg/L	1	09/21/06 12:37
Iron	1.2		0.050	0.0050	mg/L	1	09/21/06 12:37
Lead	ND		0.0050	0.00084	mg/L	1	09/21/06 12:37
Magnesium	4.2		1.0	0.013	mg/L	1	09/21/06 12:37
Manganese	0.11		0.050	0.00026	mg/L	1	09/21/06 12:37
Nickel	0.0058	J	0.050	0.0011	mg/L	1	09/21/06 12:37
Potassium	1.8	J	5.0	0.068	mg/L	1	09/21/06 12:37
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:37
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:37
Sodium	28		1.0	0.0085	mg/L	1	09/21/06 12:37
Thallium	0.0098	J	0.010	0.0059	mg/L	1	09/21/06 12:37
Vanadium	ND		0.050	0.0020	mg/L	1	09/21/06 12:37
Zinc	0.020		0.010	0.0014	mg/L	1	09/21/06 12:37

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-002C
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33096
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	8.7		0.050	0.012	mg/L	1	09/21/06 12:45
Antimony	ND		0.030	0.0015	mg/L	1	09/21/06 12:45
Arsenic	0.026		0.0050	0.0012	mg/L	1	09/21/06 12:45
Barium	0.11		0.10	0.00054	mg/L	1	09/21/06 12:45
Beryllium	0.00066	J	0.0030	0.00010	mg/L	1	09/21/06 12:45
Cadmium	0.0015		0.0010	0.00042	mg/L	1	09/21/06 12:45
Calcium	55		1.0	0.040	mg/L	1	09/21/06 12:45
Chromium	0.030		0.010	0.0014	mg/L	1	09/21/06 12:45
Cobalt	0.019		0.010	0.0019	mg/L	1	09/21/06 12:45
Copper	0.023		0.010	0.0019	mg/L	1	09/21/06 12:45
Iron	43		0.050	0.0050	mg/L	1	09/21/06 12:45
Lead	0.0035	J	0.0050	0.00084	mg/L	1	09/21/06 12:45
Magnesium	21		1.0	0.013	mg/L	1	09/21/06 12:45
Manganese	1.9		0.050	0.00026	mg/L	1	09/21/06 12:45
Nickel	0.020	J	0.050	0.0011	mg/L	1	09/21/06 12:45
Potassium	31		5.0	0.068	mg/L	1	09/21/06 12:45
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:45
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:45
Sodium	73		1.0	0.0085	mg/L	1	09/21/06 12:45
Thallium	0.012		0.010	0.0059	mg/L	1	09/21/06 12:45
Vanadium	0.024	J	0.050	0.0020	mg/L	1	09/21/06 12:45
Zinc	0.055		0.010	0.0014	mg/L	1	09/21/06 12:45

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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5000 Brittonfield Parkway, Suite 200
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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-003C
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33097
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	230		0.050	0.012	mg/L	1	09/21/06 12:48
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:48
Arsenic	0.033		0.0050	0.0012	mg/L	1	09/21/06 12:48
Barium	1.2		0.10	0.00054	mg/L	1	09/21/06 12:48
Beryllium	0.013		0.0030	0.00010	mg/L	1	09/21/06 12:48
Cadmium	0.011		0.0010	0.00042	mg/L	1	09/21/06 12:48
Calcium	84		1.0	0.040	mg/L	1	09/21/06 12:48
Chromium	0.69		0.010	0.0014	mg/L	1	09/21/06 12:48
Cobalt	0.21		0.010	0.0019	mg/L	1	09/21/06 12:48
Copper	0.50		0.010	0.0019	mg/L	1	09/21/06 12:48
Iron	410		0.050	0.0050	mg/L	1	09/21/06 12:48
Lead	0.067		0.0050	0.00084	mg/L	1	09/21/06 12:48
Magnesium	80		1.0	0.013	mg/L	1	09/21/06 12:48
Manganese	5.1		0.050	0.00026	mg/L	1	09/21/06 12:48
Nickel	0.37		0.050	0.0011	mg/L	1	09/21/06 12:48
Potassium	38		5.0	0.068	mg/L	1	09/21/06 12:48
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:48
Silver	0.0081	J	0.010	0.00090	mg/L	1	09/21/06 12:48
Sodium	14		1.0	0.0085	mg/L	1	09/21/06 12:48
Thallium	0.0078	J	0.010	0.0059	mg/L	1	09/21/06 12:48
Vanadium	0.62		0.050	0.0020	mg/L	1	09/21/06 12:48
Zinc	0.61		0.010	0.0014	mg/L	1	09/21/06 12:48

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-005C
Project:	Ramapo	**Client Sample ID:**	*1-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33098
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		**Date Analyzed**
Aluminum	39		0.050	0.012	mg/L	1	09/21/06 12:51
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:51
Arsenic	0.043		0.0050	0.0012	mg/L	1	09/21/06 12:51
Barium	0.44		0.10	0.00054	mg/L	1	09/21/06 12:51
Beryllium	0.0022	J	0.0030	0.00010	mg/L	1	09/21/06 12:51
Cadmium	0.0043		0.0010	0.00042	mg/L	1	09/21/06 12:51
Calcium	140		1.0	0.040	mg/L	1	09/21/06 12:51
Chromium	2.4		0.010	0.0014	mg/L	1	09/21/06 12:51
Cobalt	0.063		0.010	0.0019	mg/L	1	09/21/06 12:51
Copper	0.13		0.010	0.0019	mg/L	1	09/21/06 12:51
Iron	120		0.050	0.0050	mg/L	1	09/21/06 12:51
Lead	0.094		0.0050	0.00084	mg/L	1	09/21/06 12:51
Magnesium	28		1.0	0.013	mg/L	1	09/21/06 12:51
Manganese	2.8		0.050	0.00026	mg/L	1	09/21/06 12:51
Nickel	0.27		0.050	0.0011	mg/L	1	09/21/06 12:51
Potassium	11		5.0	0.068	mg/L	1	09/21/06 12:51
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:51
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:51
Sodium	62		1.0	0.0085	mg/L	1	09/21/06 12:51
Thallium	0.020		0.010	0.0059	mg/L	1	09/21/06 12:51
Vanadium	0.12		0.050	0.0020	mg/L	1	09/21/06 12:51
Zinc	0.22		0.010	0.0014	mg/L	1	09/21/06 12:51

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-006C**
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33099
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		**Date Analyzed**
Aluminum	4.5		0.050	0.012	mg/L	1	09/21/06 12:55
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:55
Arsenic	0.0028	J	0.0050	0.0012	mg/L	1	09/21/06 12:55
Barium	0.050	J	0.10	0.00054	mg/L	1	09/21/06 12:55
Beryllium	0.00044	J	0.0030	0.00010	mg/L	1	09/21/06 12:55
Cadmium	0.0016		0.0010	0.00042	mg/L	1	09/21/06 12:55
Calcium	87		1.0	0.040	mg/L	1	09/21/06 12:55
Chromium	0.12		0.010	0.0014	mg/L	1	09/21/06 12:55
Cobalt	0.025		0.010	0.0019	mg/L	1	09/21/06 12:55
Copper	0.015		0.010	0.0019	mg/L	1	09/21/06 12:55
Iron	12		0.050	0.0050	mg/L	1	09/21/06 12:55
Lead	0.0091		0.0050	0.00084	mg/L	1	09/21/06 12:55
Magnesium	18		1.0	0.013	mg/L	1	09/21/06 12:55
Manganese	1.9		0.050	0.00026	mg/L	1	09/21/06 12:55
Nickel	0.080		0.050	0.0011	mg/L	1	09/21/06 12:55
Potassium	3.0	J	5.0	0.068	mg/L	1	09/21/06 12:55
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:55
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:55
Sodium	11		1.0	0.0085	mg/L	1	09/21/06 12:55
Thallium	0.016		0.010	0.0059	mg/L	1	09/21/06 12:55
Vanadium	0.011	J	0.050	0.0020	mg/L	1	09/21/06 12:55
Zinc	0.041		0.010	0.0014	mg/L	1	09/21/06 12:55

Qualifiers:

- 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
- U Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-007C
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33100
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				**SW6010B**	**(SW3005A)**		
Aluminum	0.58		0.050	0.012	mg/L	1	09/21/06 12:58
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 12:58
Arsenic	0.0069		0.0050	0.0012	mg/L	1	09/21/06 12:58
Barium	0.069	J	0.10	0.00054	mg/L	1	09/21/06 12:58
Beryllium	0.00023	J	0.0030	0.00010	mg/L	1	09/21/06 12:58
Cadmium	0.0032		0.0010	0.00042	mg/L	1	09/21/06 12:58
Calcium	98		1.0	0.040	mg/L	1	09/21/06 12:58
Chromium	7.2		0.010	0.0014	mg/L	1	09/21/06 12:58
Cobalt	0.056		0.010	0.0019	mg/L	1	09/21/06 12:58
Copper	0.069		0.010	0.0019	mg/L	1	09/21/06 12:58
Iron	77		0.050	0.0050	mg/L	1	09/21/06 12:58
Lead	0.0011	J	0.0050	0.00084	mg/L	1	09/21/06 12:58
Magnesium	13		1.0	0.013	mg/L	1	09/21/06 12:58
Manganese	9.2		0.050	0.00026	mg/L	1	09/21/06 12:58
Nickel	1.3		0.050	0.0011	mg/L	1	09/21/06 12:58
Potassium	3.9	J	5.0	0.068	mg/L	1	09/21/06 12:58
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 12:58
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 12:58
Sodium	29		1.0	0.0085	mg/L	1	09/21/06 12:58
Thallium	0.016		0.010	0.0059	mg/L	1	09/21/06 12:58
Vanadium	0.021	J	0.050	0.0020	mg/L	1	09/21/06 12:58
Zinc	0.033		0.010	0.0014	mg/L	1	09/21/06 12:58

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	0609082-008C
Project:	Ramapo	**Client Sample ID:**	*4-OS*
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	ICAP 61E	**Sample Size:** 50 mL	**PrepDate:** 09/15/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3835/R6696
Revision:	09/22/06 9:51	**TestCode:** 6010W05	**FileID:** 1-SAMP-33101
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP				SW6010B	(SW3005A)		
Aluminum	2.5		0.050	0.012	mg/L	1	09/21/06 13:02
Antimony	ND		0.0030	0.0015	mg/L	1	09/21/06 13:02
Arsenic	0.0028	J	0.0050	0.0012	mg/L	1	09/21/06 13:02
Barium	0.040	J	0.10	0.00054	mg/L	1	09/21/06 13:02
Beryllium	0.00043	J	0.0030	0.00010	mg/L	1	09/21/06 13:02
Cadmium	0.0022		0.0010	0.00042	mg/L	1	09/21/06 13:02
Calcium	53		1.0	0.040	mg/L	1	09/21/06 13:02
Chromium	1.3		0.010	0.0014	mg/L	1	09/21/06 13:02
Cobalt	0.014		0.010	0.0019	mg/L	1	09/21/06 13:02
Copper	0.010		0.010	0.0019	mg/L	1	09/21/06 13:02
Iron	12		0.050	0.0050	mg/L	1	09/21/06 13:02
Lead	0.0012	J	0.0050	0.00084	mg/L	1	09/21/06 13:02
Magnesium	18		1.0	0.013	mg/L	1	09/21/06 13:02
Manganese	0.86		0.050	0.00026	mg/L	1	09/21/06 13:02
Nickel	0.040	J	0.050	0.0011	mg/L	1	09/21/06 13:02
Potassium	2.4	J	5.0	0.068	mg/L	1	09/21/06 13:02
Selenium	ND		0.0050	0.0026	mg/L	1	09/21/06 13:02
Silver	ND		0.010	0.00090	mg/L	1	09/21/06 13:02
Sodium	33		1.0	0.0085	mg/L	1	09/21/06 13:02
Thallium	0.024		0.010	0.0059	mg/L	1	09/21/06 13:02
Vanadium	0.0098	J	0.050	0.0020	mg/L	1	09/21/06 13:02
Zinc	0.044		0.010	0.0014	mg/L	1	09/21/06 13:02

Qualifiers:

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	U	Not Detected at the MDC or RL

Print Date: 09/26/06 9:31 **Project Supervisor:** Thomas A. Alexander

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-001A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-002A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-94*
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:				
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-003A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20 **Sample Size:** NA	**PrepDate:**	
ColumnID:	**%Moisture:**	**BatchNo:**	R6627
Revision:	10/01/06 8:39 **TestCode** COD410.4	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-004A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-005A**
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:			
	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		U Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-006A**
Project:	Ramapo	**Client Sample ID:**	*DUP 906*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-007A**
Project:	Ramapo	**Client Sample ID:**	*9-I*
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20 **Sample Size:** NA	**PrepDate:**	
ColumnID:	**%Moisture:**	**BatchNo:**	R6627
Revision:	10/01/06 8:39 **TestCode** COD410.4	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	54		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-008A**
Project:	Ramapo	**Client Sample ID:**	*9-OS*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	54		10	mg/L	1	09/14/06

Qualifiers:				
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-009A**
Project:	Ramapo	**Client Sample ID:**	*PW-1*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-010A**
Project:	Ramapo	**Client Sample ID:**	*PW-2*
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20 **Sample Size:** NA	**PrepDate:**	
ColumnID:	**%Moisture:**	**BatchNo:**	R6627
Revision:	10/01/06 8:39 **TestCode** COD410.4	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-011A**
Project:	Ramapo	**Client Sample ID:**	*8-R*
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20 **Sample Size:** NA	**PrepDate:**	
ColumnID:	**%Moisture:**	**BatchNo:**	R6627
Revision:	10/01/06 8:39 **TestCode** COD410.4	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	14		10	mg/L	1	09/14/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-012A**
Project:	Ramapo	**Client Sample ID:**	*7-OS*
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6627
Revision:	10/01/06 8:39	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	24		10	mg/L	1	09/14/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-001A**
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6654
Revision:	09/19/06 15:05	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/19/06 13:30

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-002A**
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20 **Sample Size:** NA	**PrepDate:**	
ColumnID:	**%Moisture:**	**BatchNo:**	R6654
Revision:	09/19/06 15:05 **TestCode** COD410.4	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	41		10	mg/L	1	09/19/06 13:30

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-003A**
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6654
Revision:	09/19/06 15:05	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	610		50	mg/L	5	09/19/06 13:30

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-005A**
Project:	Ramapo	**Client Sample ID:**	*I-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20 **Sample Size:** NA	**PrepDate:**	
ColumnID:	**%Moisture:**	**BatchNo:**	R6654
Revision:	09/19/06 15:05 **TestCode** COD410.4	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	78		10	mg/L	1	09/19/06 13:30

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-006A**
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6654
Revision:	09/19/06 15:05	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	24		10	mg/L	1	09/19/06 13:30

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-007A**
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6654
Revision:	09/19/06 15:05	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	31		10	mg/L	1	09/19/06 13:30

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-008A**
Project:	Ramapo	**Client Sample ID:**	*4-OS*
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	GENESYS 20	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6654
Revision:	09/19/06 15:05	**TestCode** COD410.4	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
COD				**EPA 410.4**		
Chemical Oxygen Demand	ND		10	mg/L	1	09/19/06 13:30

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-001C**
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	76		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-002C**
Project:	Ramapo	**Client Sample ID:**	*SVWC-94*
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	72		10	mg/L	1	09/26/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-003C**
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	84		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-004C**
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	76		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-005C**
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6789
Revision:	10/02/06 16:45	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	120		10	mg/L	1	09/29/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-006C**
Project:	Ramapo	**Client Sample ID:**	***DUP 906***
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	130		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-007C**
Project:	Ramapo	**Client Sample ID:**	*9-1*
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	76		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-008C**
Project:	Ramapo	**Client Sample ID:**	*9-OS*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	60		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-009C**
Project:	Ramapo	**Client Sample ID:**	*PW-1*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	48		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-010C**
Project:	Ramapo	**Client Sample ID:**	*PW-2*
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	92		10	mg/L	1	09/26/06

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-011C**
Project:	Ramapo	**Client Sample ID:**	*8-R*
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	460		10	mg/L	1	09/26/06

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-012C**
Project:	Ramapo	**Client Sample ID:**	*7-OS*
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	230		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-001C**
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	130		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-002C**
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	460		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-003C**
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	5200		10	mg/L	1	09/26/06

Qualifiers:

- 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
- U Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-005C**
Project:	Ramapo	**Client Sample ID:**	*1-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6737
Revision:	09/29/06 12:09	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	710		10	mg/L	1	09/26/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-006C**
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6736
Revision:	10/01/06 8:00	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	52		10	mg/L	1	09/27/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-007C**
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6736
Revision:	10/01/06 8:00	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	580		10	mg/L	1	09/27/06

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-008C**
Project:	Ramapo	**Client Sample ID:**	***4-OS***
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	Buret Type A	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6736
Revision:	10/01/06 8:00	**TestCode** HARD130.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
HARDNESS (AS CACO3)				**EPA 130.2**		
Hardness (As CaCO3)	92		10	mg/L	1	09/27/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-001B**
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	46		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-002B**
Project:	Ramapo	**Client Sample ID:**	*SWC-94*
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	44		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-003B**
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	54		10	mg/L	1	09/20/06

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-004B**
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	44		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-005B**
Project:	Ramapo	**Client Sample ID:**	***9-R***
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	10/01/06 8:10	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	110		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-006B**
Project:	Ramapo	**Client Sample ID:**	*DUP 906*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	100		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-007B**
Project:	Ramapo	**Client Sample ID:**	***9-I***
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	18		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-008B**
Project:	Ramapo	**Client Sample ID:**	*9-OS*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	20		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-009B**
Project:	Ramapo	**Client Sample ID:**	***PW-1***
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	24		10	mg/L	1	09/20/06

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-010B**
Project:	Ramapo	**Client Sample ID:**	*PW-2*
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	58		10	mg/L	1	09/20/06

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-011B**
Project:	Ramapo	**Client Sample ID:**	*8-R*
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	520		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-012B**
Project:	Ramapo	**Client Sample ID:**	*7-OS*
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	10/01/06 8:25	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	98		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-001B**
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	64		10	mg/L	1	09/20/06

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-002B**
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	260		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-003B**
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	22		10	mg/L	1	09/20/06

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-005B**
Project:	Ramapo	**Client Sample ID:**	*1-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	210		10	mg/L	1	09/20/06

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-006B**
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	280		10	mg/L	1	09/20/06

Qualifiers:			
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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-007B**
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	280		10	mg/L	1	09/20/06

Qualifiers:

- 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
- U Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-008B**
Project:	Ramapo	**Client Sample ID:**	*4-OS*
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	pH meter	**Sample Size:** NA	**PrepDate:**
ColumnID:		**%Moisture:**	**BatchNo:** R6697
Revision:	09/22/06 9:04	**TestCode** ALK310.1	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
ALKALINITY, TOTAL (AS CACO3)				**EPA 310.1**		
Alkalinity, Total (As CaCO3)	82		10	mg/L	1	09/20/06

Qualifiers:					
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-001A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-93*
W Order:	0609069	**Collection Date:**	09/12/06 11:35
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6730
Revision:	09/27/06 12:04	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-002A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-94*
W Order:	0609069	**Collection Date:**	09/12/06 10:45
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-003A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-95*
W Order:	0609069	**Collection Date:**	09/12/06 11:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6730
Revision:	09/27/06 12:04	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:		
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	
E	Value exceeds the instrument calibration range	
J	Analyte detected below the PQL	
P	Prim./Conf. column %D or RPD exceeds limit	
U	Not Detected at the MDC or RL	

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-004A**
Project:	Ramapo	**Client Sample ID:**	*SVWC-96*
W Order:	0609069	**Collection Date:**	09/12/06 11:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-005A**
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6730
Revision:	09/27/06 12:04	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	5.2	E	0.40	mg/L	1	09/25/06 13:58

Qualifiers:		
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	
U	Not Detected at the MDC or RL	

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-005A**
Project:	Ramapo	**Client Sample ID:**	*9-R*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6738
Revision:	09/28/06 10:19 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	4.9		0.80	mg/L	2	09/26/06 17:35

Qualifiers:					
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-006A**
Project:	Ramapo	**Client Sample ID:**	*DUP 906*
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	5.3	E	0.40	mg/L	1	09/25/06 13:58

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-006A**
Project:	Ramapo	**Client Sample ID:**	***DUP 906***
W Order:	0609069	**Collection Date:**	09/12/06 0:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6826
Revision:	10/04/06 7:56 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	4.9		0.80	mg/L	2	10/03/06 12:50

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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-007A**
Project:	Ramapo	**Client Sample ID:**	*9-I*
W Order:	0609069	**Collection Date:**	09/12/06 13:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6730
Revision:	09/27/06 12:04	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-008A**
Project:	Ramapo	**Client Sample ID:**	*9-OS*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:			
	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-009A**
Project:	Ramapo	**Client Sample ID:**	*PW-1*
W Order:	0609069	**Collection Date:**	09/12/06 13:20
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-010A**
Project:	Ramapo	**Client Sample ID:**	*PW-2*
W Order:	0609069	**Collection Date:**	09/12/06 14:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:	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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-011A**
Project:	Ramapo	**Client Sample ID:**	***8-R***
W Order:	0609069	**Collection Date:**	09/12/06 16:30
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	1.6		0.40	mg/L	1	09/25/06 13:58

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609069-012A**
Project:	Ramapo	**Client Sample ID:**	*7-OS*
W Order:	0609069	**Collection Date:**	09/12/06 17:00
Matrix:	GROUNDWATER	**Date Received:**	09/13/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	09/27/06 12:04 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

Qualifiers:

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	U	Not Detected at the MDC or RL

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-001A**
Project:	Ramapo	**Client Sample ID:**	*8-OS*
W Order:	0609082	**Collection Date:**	09/13/06 11:55
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	10/04/06 8:02 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-002A**
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6730
Revision:	10/04/06 8:02	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	18	E	0.40	mg/L	1	09/25/06 13:58

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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-002A**
Project:	Ramapo	**Client Sample ID:**	*8-I*
W Order:	0609082	**Collection Date:**	09/13/06 12:00
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6738
Revision:	09/28/06 10:43	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	14		4.0	mg/L	10	09/26/06 17:35

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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-003A**
Project:	Ramapo	**Client Sample ID:**	*5-OS*
W Order:	0609082	**Collection Date:**	09/13/06 14:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3	**Sample Size:** 20 mL	**PrepDate:** 09/25/06 0:00
ColumnID:		**%Moisture:**	**BatchNo:** 3888/R6730
Revision:	10/04/06 8:02	**TestCode** TKN351.2	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-005A**
Project:	Ramapo	**Client Sample ID:**	*1-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:30
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	10/04/06 8:02 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 13:58

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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-006A**
Project:	Ramapo	**Client Sample ID:**	*2-OS*
W Order:	0609082	**Collection Date:**	09/13/06 9:40
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	10/04/06 8:02 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-007A**
Project:	Ramapo	**Client Sample ID:**	*3-OS*
W Order:	0609082	**Collection Date:**	09/13/06 8:25
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	10/04/06 8:02 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 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

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Analytical Results

StateCertNo: 10155

CLIENT:	Sterling Environmental Engineering, P.C.	**Lab ID:**	**0609082-008A**
Project:	Ramapo	**Client Sample ID:**	*4-OS*
W Order:	0609082	**Collection Date:**	09/13/06 10:35
Matrix:	GROUNDWATER	**Date Received:**	09/14/06 8:40
Inst. ID:	AA3 **Sample Size:** 20 mL	**PrepDate:**	09/25/06 0:00
ColumnID:	**%Moisture:**	**BatchNo:**	3888/R6730
Revision:	10/04/06 8:02 **TestCode** TKN351.2	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	Units	DF	Date Analyzed
KJELDAHL NITROGEN - TOTAL (AS N)				**EPA 351.2**	**(E351.2)**	
Kjeldahl Nitrogen - Total (as N)	ND		0.40	mg/L	1	09/25/06 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

Quality Control Results

GC/MS Volatile Organics Data

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No. _____ SDG No.: 0609069O

	EPA SAMPLE NO.	LSL ID	SMC1 (BFB) 1 #	SMC2 (DBF) 1 #	SMC1 (DCE) 1 #	SMC2 (TOL) 1 #			TOT OUT
01	LCS-6606	LCS-6606	109	100	106	112			0
02	LCSD-6606	LCSD-6606	108	98	104	111			0
03	MB-6606	MB-6606	108	94	107	108			0
04	TRIP BLANK	0609069-013D	104	99	109	110			0
05	Storage Blank	0609069-014D	107	97	108	111			0
06	SVWC-93	0609069-001D	104	96	111	110			0
07	SVWC-94	0609069-002D	106	99	110	110			0
08	SVWC-95	0609069-003D	103	99	111	109			0
09	SVWC-96	0609069-004D	103	100	112	110			0
10	DUP 906	0609069-006D	104	100	112	112			0
11	9-I	0609069-007D	102	101	113	110			0
12	9-OS	0609069-008D	98	101	112	109			0
13	PW-1	0609069-009D	102	98	113	111			0
14	PW-2	0609069-010D	100	100	116	111			0
15	8-R	0609069-011D	99	101	114	111			0
16	7-OS	0609069-012D	100	101	115	110			0
17	LCS-6629	LCS-6629	99	103	101	109			0
18	MSB-6629	MSB-6629	99	103	101	109			0
19	9-RMS	0609069-005DMS	100	104	102	108			0
20	9-RMSD	0609069-005DMSD	101	103	102	109			0
21	MB-6629	MB-6629	98	104	105	107			0
22	9-R	0609069-005D	96	102	107	106			0
23	8-OS	0609082-001D	93	103	103	107			0
24	8-I	0609082-002D	94	102	107	105			0
25	5-OS	0609082-003D	93	101	106	106			0
26	TRIP BLANK	0609082-004A	94	106	107	107			0
27	1-OS	0609082-005D	92	102	108	108			0

QC Limit

SMC 1 (BFB) 1 = 4-Bromofluorobenzene 75-125
SMC 2 (DBF) 1 = Dibromofluoromethane 75-127
SMC 3 (DCE) 1 = 1,2-Dichloroethane-d4 75-134
SMC 4 (TOL) 1 = Toluene-d8 75-125

Column to be used to flag recovery values

* Values outside of contract required QC limits

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: Life Science Laboratories, Inc Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No. _____ SDG No.: 06090690

	EPA SAMPLE NO.	LSL ID	SMC1 (BFB) 1 #	SMC2 (DBF) 1 #	SMC1 (DCE) 1 #	SMC2 (TOL) 1 #			TOT OUT
28	2-OS	0609082-006D	90	103	105	106			0
29	3-OS	0609082-007D	90	102	106	106			0
30	4-OS	0609082-008D	94	104	107	109			0
31	Storage Blank	0609082-009A	92	103	104	106			0

		QC Limit
SMC 1	(BFB) 1 = 4-Bromofluorobenzene	75-125
SMC 2	(DBF) 1 = Dibromofluoromethane	75-127
SMC 3	(DCE) 1 = 1,2-Dichloroethane-d4	75-134
SMC 4	(TOL) 1 = Toluene-d8	75-125

Column to be used to flag recovery values

* Values outside of contract required QC limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005DMS	SampType: MS	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	6629
Client ID: 9-R	Batch ID: R6629	Method: SW8260B		Analysis Date: 9/15/2006		SeqNo:	177961
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.6	0.500	10	0	106	70	130				
Benzene	11.0	0.500	10	0	110	70	132				
Chlorobenzene	10.5	0.500	10	0.24	103	69	130				
Vinyl chloride	9.87	1.00	10	0	99	70	130				
Surr: 1,2-Dichloroethane-d4	10.2	0.100	10	0	102	75	134				
Surr: 4-Bromofluorobenzene	10.0	0.100	10	0	100	75	125				
Surr: Dibromofluoromethane	10.4	0.100	10	0	104	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				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005DMSD	SampType: MSD	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo: 6629	
Client ID: 9-R	Batch ID: R6629	Method: SW8260B		Analysis Date: 9/15/2006		SeqNo: 177963	
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.4	0.500	10	0	104	70	130	10.57	1.72	20	
Benzene	11.0	0.500	10	0	110	70	132	10.96	0	20	
Chlorobenzene	10.3	0.500	10	0.24	100	69	130	10.5	2.12	20	
Vinyl chloride	9.68	1.00	10	0	97	70	130	9.87	1.94	20	
Surr: 1,2-Dichloroethane-d4	10.2	0.100	10	0	102	75	134	0	0	0	
Surr: 4-Bromofluorobenzene	10.1	0.100	10	0	101	75	125	0	0	0	
Surr: Dibromofluoromethane	10.3	0.100	10	0	103	75	127	0	0	0	
Surr: Toluene-d8	10.9	0.100	10	0	109	75	125	0	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

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MSB-6629	SampType: MSB	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	6629
Client ID: ZZZZZ	Batch ID: R6629	Method: SW8260B		Analysis Date: 9/15/2006		SeqNo:	177958
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.5	0.500	10	0	105	70	130				
Benzene	11.0	0.500	10	0	110	70	132				
Chlorobenzene	10.1	0.500	10	0	101	69	130				
Vinyl chloride	10.1	1.00	10	0	101	70	130				
Surr: 1,2-Dichloroethane-d4	10.1	0.100	10	0	101	75	134				
Surr: 4-Bromofluorobenzene	9.94	0.100	10	0	99	75	125				
Surr: Dibromofluoromethane	10.3	0.100	10	0	103	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				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-6606	SampType: LCS	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	6606
Client ID: ZZZZZ	Batch ID: R6606	Method: SW8260B		Analysis Date: 9/14/2006		SeqNo:	177668
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.8	0.500	10	0	108	80	120				
Benzene	11.3	0.500	10	0	113	80	120				
Chlorobenzene	10.6	0.500	10	0	106	80	120				
Vinyl chloride	10.4	1.00	10	0	104	75	125				
Surr: 1,2-Dichloroethane-d4	10.6	0.100	10	0	106	75	134				
Surr: 4-Bromofluorobenzene	10.9	0.100	10	0	109	75	125				
Surr: Dibromofluoromethane	10.0	0.100	10	0	100	75	127				
Surr: Toluene-d8	11.2	0.100	10	0	112	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

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCSD-6606 SampType: LCSD TestCode: 8260W Units: µg/L Prep Date: RunNo: 6606
Client ID: ZZZZZ Batch ID: R6606 Method: SW8260B Analysis Date: 9/14/2006 SeqNo: 177669
Instrument: MS01_11 ColumnID: Rtx-VMS Rtx-VMS, 1.0 df

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.8	0.500	10	0	108	80	120	10.77	0.28	20	
Benzene	11.2	0.500	10	0	112	80	120	11.28	1.16	20	
Chlorobenzene	10.4	0.500	10	0	104	80	120	10.58	1.72	20	
Vinyl chloride	10.2	1.00	10	0	102	75	125	10.39	1.85	20	
Surr: 1,2-Dichloroethane-d4	10.4	0.100	10	0	104	75	134	0	0	0	
Surr: 4-Bromofluorobenzene	10.8	0.100	10	0	108	75	125	0	0	0	
Surr: Dibromofluoromethane	9.76	0.100	10	0	98	75	127	0	0	0	
Surr: Toluene-d8	11.1	0.100	10	0	111	75	125	0	0	0	

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				

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-6629	SampType: LCS	TestCode: 8260W	Units: µg/L	Prep Date:		RunNo:	6629
Client ID: ZZZZZ	Batch ID: R6629	Method: SW8260B		Analysis Date: 9/15/2006		SeqNo:	177936
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df					

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1-Dichloroethane	10.5	0.500	10	0	105	80	120				
Benzene	11.0	0.500	10	0	110	80	120				
Chlorobenzene	10.1	0.500	10	0	101	80	120				
Vinyl chloride	10.1	1.00	10	0	101	75	125				
Surr: 1,2-Dichloroethane-d4	10.1	0.100	10	0	101	75	134				
Surr: 4-Bromofluorobenzene	9.94	0.100	10	0	99	75	125				
Surr: Dibromofluoromethane	10.3	0.100	10	0	103	75	127				
Surr: Toluene-d8	10.9	0.100	10	0	109	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

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4A

SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

MB-6606

Lab Name: Life Science Laboratorie Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No.: _____ SDG No.: 0609069O

Lab File ID: T4629.D Lab Sample ID: MB-6606

Date Analyzed: 9/14/2006 Time Analyzed: 13:12

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MS01 11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LCS-6606	LCS-6606	T4626.D	11:33
02	LCSD-6606	LCSD-6606	T4627.D	12:06
03	TRIP BLANK	0609069-013D	T4632.D	14:51
04	Storage Blank	0609069-014D	T4633.D	15:24
05	SVWC-93	0609069-001D	T4634.D	15:57
06	SVWC-94	0609069-002D	T4635.D	16:30
07	SVWC-95	0609069-003D	T4636.D	17:03
08	SVWC-96	0609069-004D	T4637.D	17:36
09	DUP 906	0609069-006D	T4638.D	18:10
10	9-I	0609069-007D	T4639.D	18:43
11	9-OS	0609069-008D	T4640.D	19:16
12	PW-1	0609069-009D	T4641.D	19:49
13	PW-2	0609069-010D	T4642.D	20:22
14	8-R	0609069-011D	T4643.D	20:55
15	7-OS	0609069-012D	T4644.D	21:27

COMMENTS: _____

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ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-6606	SampType: MBLK	TestCode: 8260W	Units: µg/L	Prep Date:	RunNo: 6606
Client ID: ZZZZZ	Batch ID: R6606	Method: SW8260B		Analysis Date: 9/14/2006	SeqNo: 177670
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df			

Analyte	Result	PQL	SPK value	SPK Ref Val	%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	10.7	0.100	10	0	107	75	134				
Surr: 4-Bromofluorobenzene	10.8	0.100	10	0	108	75	125				
Surr: Dibromofluoromethane	9.45	0.100	10	0	94	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

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e: *18-Sep-06*

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB-6629

Lab Name: Life Science Laboratorie Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No.: _____ SDG No.: 0609069O

Lab File ID: T4653.D Lab Sample ID: MB-6629

Date Analyzed: 9/15/2006 Time Analyzed: 13:15

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MS01 11

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	MSB-6629	MSB-6629	T4649.D	11:05
02	LCS-6629	LCS-6629	T4649.D	11:05
03	9-RMS	0609069-005DMS	T4650.D	11:37
04	9-RMSD	0609069-005DMSD	T4651.D	12:09
05	9-R	0609069-005D	T4654.D	13:47
06	8-OS	0609082-001D	T4656.D	14:52
07	8-I	0609082-002D	T4657.D	15:24
08	5-OS	0609082-003D	T4658.D	15:57
09	ZZZZZ	0609082-004A	T4659.D	16:31
10	1-OS	0609082-005D	T4660.D	17:04
11	2-OS	0609082-006D	T4661.D	17:36
12	3-OS	0609082-007D	T4662.D	18:09
13	4-OS	0609082-008D	T4663.D	18:42
14	Storage Blank	0609082-009A	T4664.D	19:16

COMMENTS: _____

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW8260B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-6629	SampType: MBLK	TestCode: 8260W	Units: µg/L		Prep Date:					RunNo: 6629			
Client ID: ZZZZZ	Batch ID: R6629	Method: SW8260B			Analysis Date: 9/15/2006					SeqNo: 177965			
Instrument: MS01_11	ColumnID: Rtx-VMS	Rtx-VMS, 1.0 df											
Analyte	Result	PQL	SPK value	SPK Ref Val	%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	10.5	0.100	10	0	105	75	134						
Surr: 4-Bromofluorobenzene	9.81	0.100	10	0	98	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				

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5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No.: _____ SDG No.: 0609069O

Lab File ID: TA\T4596.D BFB Injection Date: 9/13/2006

Instrument ID: MS01 11 BFB Injection Time: 11:03

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.3
75	30.0 - 66.0% of mass 95	58.4
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5)1
174	50.0 - 120.0% of mass 95	75.5
175	4.0 - 9.0% of mass 174	5.5 (7.2)1
176	93.0 - 101.0% of mass 174	72.7 (96.4)1
177	5.0 - 9.0% of mass 176	4.9 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ICAL 0.3 PPB	ICAL 0.3 PPB	T4597.D	09/13/06	11:32
02	ICAL 0.5 PPB	ICAL 0.5 PPB	T4598.D	09/13/06	12:05
03	ICAL 2.0 PPB	ICAL 2.0 PPB	T4599.D	09/13/06	12:38
04	ICAL 10 PPB	ICAL 10 PPB	T4600.D	09/13/06	13:11
05	ICAL 20 PPB	ICAL 20 PPB	T4601.D	09/13/06	13:44
06	ICAL 30 PPB	ICAL 30 PPB	T4602.D	09/13/06	14:17
07	ICAL 40 PPB	ICAL 40 PPB	T4603.D	09/13/06	14:49
08	ICV-6574	ICV-6574	T4604.D	09/13/06	18:02

5A

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No.: _____ SDG No.: 0609069O

Lab File ID: TA\T4624.D BFB Injection Date: 9/14/2006

Instrument ID: MS01 11 BFB Injection Time: 10:32

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	25.2
75	30.0 - 66.0% of mass 95	57.6
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	50.0 - 120.0% of mass 95	76.3
175	4.0 - 9.0% of mass 174	5.5 (7.2)1
176	93.0 - 101.0% of mass 174	74.3 (97.3)1
177	5.0 - 9.0% of mass 176	4.7 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV-6606	CCV-6606	T4625.D	09/14/06	11:00
02	LCS-6606	LCS-6606	T4626.D	09/14/06	11:33
03	LCSD-6606	LCSD-6606	T4627.D	09/14/06	12:06
04	MB-6606	MB-6606	T4629.D	09/14/06	13:12
05	TRIP BLANK	0609069-013D	T4632.D	09/14/06	14:51
06	Storage Blank	0609069-014D	T4633.D	09/14/06	15:24
07	SVWC-93	0609069-001D	T4634.D	09/14/06	15:57
08	SVWC-94	0609069-002D	T4635.D	09/14/06	16:30
09	SVWC-95	0609069-003D	T4636.D	09/14/06	17:03
10	SVWC-96	0609069-004D	T4637.D	09/14/06	17:36
11	DUP 906	0609069-006D	T4638.D	09/14/06	18:10
12	9-I	0609069-007D	T4639.D	09/14/06	18:43
13	9-OS	0609069-008D	T4640.D	09/14/06	19:16
14	PW-1	0609069-009D	T4641.D	09/14/06	19:49
15	PW-2	0609069-010D	T4642.D	09/14/06	20:22
16	8-R	0609069-011D	T4643.D	09/14/06	20:55
17	7-OS	0609069-012D	T4644.D	09/14/06	21:27

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: Life Science Laboratories, Contract: _____

Lab Code: LSLB Case No.: STERLING SAS No.: _____ SDG No.: 06090690

Lab File ID: TA\T4647.D BFB Injection Date: 9/15/2006

Instrument ID: MS01 11 BFB Injection Time: 10:04

GC Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	26.8
75	30.0 - 66.0% of mass 95	59.2
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.5 (0.7)1
174	50.0 - 120.0% of mass 95	73.9
175	4.0 - 9.0% of mass 174	5.6 (7.6)1
176	93.0 - 101.0% of mass 174	70.7 (95.7)1
177	5.0 - 9.0% of mass 176	4.5 (6.3)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CCV-6629	CCV-6629	T4648.D	09/15/06	10:32
02	MSB-6629	MSB-6629	T4649.D	09/15/06	11:05
03	LCS-6629	LCS-6629	T4649.D	09/15/06	11:05
04	9-RMS	0609069-005DMS	T4650.D	09/15/06	11:37
05	9-RMSD	0609069-005DMSD	T4651.D	09/15/06	12:09
06	MB-6629	MB-6629	T4653.D	09/15/06	13:15
07	9-R	0609069-005D	T4654.D	09/15/06	13:47
08	8-OS	0609082-001D	T4656.D	09/15/06	14:52
09	8-I	0609082-002D	T4657.D	09/15/06	15:24
10	5-OS	0609082-003D	T4658.D	09/15/06	15:57
11	ZZZZZ	0609082-004A	T4659.D	09/15/06	16:31
12	1-OS	0609082-005D	T4660.D	09/15/06	17:04
13	2-OS	0609082-006D	T4661.D	09/15/06	17:36
14	3-OS	0609082-007D	T4662.D	09/15/06	18:09
15	4-OS	0609082-008D	T4663.D	09/15/06	18:42
16	Storage Blank	0609082-009A	T4664.D	09/15/06	19:16

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INTERNAL STANDARD AREA AND RT SUMMARY

.ab Name: Life Science Laboratories, Inc. SDG No.: 0609069O

.ab Code: LSLB

.ab File ID (Standard): T4625.D Date Analyzed: 09/14/2006

nstrument ID: MS01_11 Time Analyzed: 11:00

3C Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	1115136	9.65	519282	13.76	449712	17.08		
UPPER LIMIT	3345408	10.15	1557846	14.26	1349136	17.58		
LOWER LIMIT	557568	9.15	259641	13.26	224856	16.58		
SAMPLE NO.								
01 LCS-6606 (LCS-6606)	1120515	9.64	535071	13.75	458805	17.08		
02 LCSD-6606 (LCSD-6606)	1110890	9.65	528818	13.76	442422	17.08		
03 MB-6606 (MB-6606)	1012248	9.64	445583	13.75	358637	17.08		
04 TRIP BLANK (0609069-013D)	901838	9.64	407370	13.75	321236	17.08		
05 Storage Blank (0609069-014D)	901748	9.64	400745	13.75	325221	17.08		
06 SVWC-93 (0609069-001D)	906164	9.65	403557	13.75	315782	17.08		
07 SVWC-94 (0609069-002D)	879854	9.64	395782	13.75	309300	17.08		
08 SVWC-95 (0609069-003D)	895505	9.65	397178	13.75	303271	17.08		
09 SVWC-96 (0609069-004D)	860966	9.65	387880	13.76	302180	17.08		
10 DUP 906 (0609069-006D)	847029	9.64	381390	13.75	297790	17.08		
11 9-I (0609069-007D)	849415	9.65	387983	13.76	293747	17.08		
12 9-OS (0609069-008D)	838310	9.65	360174	13.75	244677	17.08		
13 PW-1 (0609069-009D)	813538	9.65	367030	13.75	280251	17.08		
14 PW-2 (0609069-010D)	799564	9.64	364580	13.75	278374	17.08		
15 8-R (0609069-011D)	813481	9.65	374027	13.75	283760	17.08		
16 7-OS (0609069-012D)	822754	9.65	366008	13.76	278079	17.08		

IS1 = Fluorobenzene

IS2 = Chlorobenzene-d5

IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +200% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

8

INTERNAL STANDARD AREA AND RT SUMMARY

.ab Name: Life Science Laboratories, Inc. SDG No.: 0609069O

.ab Code: LSLB

.ab File ID (Standard): T4648.D Date Analyzed: 09/15/2006

nstrument ID: MS01_11 Time Analyzed: 10:32

3C Column: Rtx-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #		
12 HOUR STD	1140726	9.65	559744	13.75	479722	17.08		
UPPER LIMIT	3422178	10.15	1679232	14.25	1439166	17.58		
LOWER LIMIT	570363	9.15	279872	13.25	239861	16.58		
SAMPLE NO.								
01 LCS-6629 (LCS-6629)	1163633	9.64	568726	13.75	483528	17.08		
02 MSB-6629 (MSB-6629)	1163633	9.64	568726	13.75	483528	17.08		
03 9-RMS (0609069-005DMS)	1222545	9.65	580855	13.75	494306	17.08		
04 9-RMSD (0609069-005DMSD)	1201648	9.65	579327	13.75	479334	17.08		
05 MB-6629 (MB-6629)	1106653	9.65	496105	13.76	383664	17.08		
06 9-R (0609069-005D)	1074320	9.65	478772	13.75	369516	17.08		
07 8-OS (0609082-001D)	982923	9.65	451337	13.76	340762	17.08		
08 8-I (0609082-002D)	1030225	9.65	458236	13.76	344382	17.08		
09 5-OS (0609082-003D)	1060635	9.65	472965	13.76	351090	17.08		
10 ZZZZZ (0609082-004A)	930400	9.65	424104	13.75	322272	17.08		
11 1-OS (0609082-005D)	947935	9.65	438679	13.76	324726	17.08		
12 2-OS (0609082-006D)	970015	9.65	436840	13.75	322215	17.08		
13 3-OS (0609082-007D)	936288	9.65	421535	13.76	316978	17.08		
14 4-OS (0609082-008D)	898925	9.64	403439	13.75	302154	17.08		
15 Storage Blank (0609082-009A)	925809	9.65	415315	13.76	305773	17.08		

IS1 = Fluorobenzene
IS2 = Chlorobenzene-d5
IS3 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +200% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

GC/MS Volatile Combined MDL Study Summary

Instrument ID(s): MS1/HP5973,MS2/HP5970,MS3/HP5973 **Column ID(s):** Rtx-VMS, 0.18mm x 40m, 3.0 df, Rtx-502.2, 0.53 mm x 105m, 3.0 df MDL Sample Size = 10 & 25 mL

Analytical Method	Purge Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ng/L)	Std Dev	MDL (ng/L)	MDL (ug/L)
8260B/624/524.2	5030B	Water	Dichlorodifluoromethane	01/25/06	88.67	22.53	33.99	47.24	48.96	37.05	56.51	50.00	21.185	66.58	0.067
8260B/624/524.2	5030B	Water	Chloromethane	01/25/06	131.16	35.17	17.78	19.89	77.01	63.64	36.35	150.00	40.241	126.48	0.126
8260B/624/524.2	5030B	Water	Vinyl chloride	01/25/06	81.90	88.31	61.91	68.52	76.96	61.95	91.59	50.00	12.125	38.11	0.038
8260B/624/524.2	5030B	Water	Bromomethane	01/25/06	188.59	174.65	170.84	163.15	190.64	184.56	220.40	50.00	18.630	58.55	0.059
8260B/624/524.2	5030B	Water	Chloroethane	02/02/06	1334.01	1435.58	1450.68	1413.36	1401.82	1412.77	1411.37	2000.00	36.869	115.88	0.116
8260B/624/524.2	5030B	Water	Trichlorofluoromethane	01/24/06	44.67	55.99	44.43	40.48	55.39	41.88	51.02	50.00	6.387	20.07	0.020
8260B/624/524.2	5030B	Water	Acetone	02/02/06	3622.29	4110.57	4398.53	4315.36	4168.47	4219.44	3927.93	4000.00	261.986	823.42	0.823
8260B/624/524.2	5030B	Water	Acrolein	02/02/06	13444.17	15063.64	15687.09	15045.86	15431.19	15324.60	15365.64	25000.00	742.192	2332.71	2.333
8260B/624/524.2	5030B	Water	1,1-Dichloroethene	01/25/06	92.96	109.13	103.60	112.37	110.04	92.93	70.99	150.00	14.618	45.95	0.046
8260B/624/524.2	5030B	Water	Methyl iodide	01/25/06	100.21	77.93	104.34	68.45	77.62	60.70	83.16	50.00	15.836	49.77	0.050
8260B/624/524.2	5030B	Water	1,1,2-Trichloro-1,2,2-trifluoroethane	01/25/06	117.60	110.28	117.08	108.44	109.38	79.26	94.71	150.00	13.733	43.16	0.043
8260B/624/524.2	5030B	Water	Methyl acetate	02/02/06	1763.96	1774.21	2022.26	1831.82	1842.17	1966.77	1907.58	2000.00	97.093	305.16	0.305
8260B/624/524.2	5030B	Water	Acrylonitrile	02/02/06	8088.76	8539.66	8860.54	8378.87	8180.94	8233.37	8550.16	10000.00	266.793	838.53	0.839
8260B/624/524.2	5030B	Water	Methylene chloride	01/25/06	138.51	161.44	134.05	130.92	128.95	134.03	135.86	50.00	10.931	34.36	0.034
8260B/624/524.2	5030B	Water	Carbon disulfide	01/24/06	42.76	32.19	45.45	41.67	30.86	31.57	31.62	50.00	6.383	20.06	0.020
8260B/624/524.2	5030B	Water	trans-1,2-Dichloroethene	01/24/06	30.31	26.04	9.13	9.80	8.75	19.66	18.80	50.00	8.653	27.20	0.027
8260B/624/524.2	5030B	Water	Methyl tert-Butyl ether	01/25/06	108.61	106.25	104.36	87.94	91.43	105.73	96.76	150.00	8.106	25.48	0.025
8260B/624/524.2	5030B	Water	1,1-Dichloroethane	01/24/06	27.83	10.54	0.00	12.11	0.00	12.98	22.81	50.00	10.471	32.91	0.033
8260B/624/524.2	5030B	Water	Vinyl acetate	02/02/06	1122.90	890.72	1071.91	1020.14	922.71	719.67	967.82	2000.00	133.345	419.10	0.419
8260B/624/524.2	5030B	Water	2-Butanone	02/02/06	3112.51	3775.95	3327.22	3468.67	3542.45	3471.31	3333.68	4000.00	206.600	649.34	0.649
8260B/624/524.2	5030B	Water	cis-1,2-Dichloroethene	01/25/06	117.11	111.87	91.07	120.62	114.16	108.97	101.27	150.00	10.135	31.85	0.032
8260B/624/524.2	5030B	Water	Bromochloromethane	01/25/06	36.59	40.21	64.75	49.87	69.08	12.92	46.56	50.00	18.776	59.01	0.059
8260B/624/524.2	5030B	Water	Chloroform	01/25/06	77.91	93.45	81.36	95.87	104.85	88.45	94.66	50.00	9.180	28.85	0.029
8260B/624/524.2	5030B	Water	2,2-Dichloropropane	01/25/06	111.59	103.71	66.32	64.97	55.85	50.10	45.87	150.00	26.055	81.89	0.082
8260B/624/524.2	5030B	Water	Cyclohexane	01/25/06	114.25	107.55	90.92	92.43	93.87	58.72	79.81	150.00	18.221	57.27	0.057
8260B/624/524.2	5030B	Water	Dibromofluoromethane	01/25/06	74.18	69.81	58.38	61.55	80.73	77.19	67.79	50.00	8.120	25.52	0.026
8260B/624/524.2	5030B	Water	1,2-Dichloroethane-d4	01/25/06	93.21	91.50	92.62	72.75	62.23	84.71	85.54	50.00	11.651	36.62	0.037
8260B/624/524.2	5030B	Water	1,2-Dichloroethane	01/25/06	50.54	59.35	58.37	58.15	67.75	73.60	56.47	50.00	7.648	24.04	0.024
8260B/624/524.2	5030B	Water	1,1,1-Trichloroethane	01/24/06	19.37	22.78	9.81	19.01	20.03	25.22	18.71	50.00	4.799	15.08	0.015
8260B/624/524.2	5030B	Water	1,1-Dichloropropene	01/24/06	42.88	60.93	44.16	58.42	60.67	48.80	50.93	50.00	7.649	24.04	0.024
8260B/624/524.2	5030B	Water	Carbon tetrachloride	01/25/06	93.74	85.94	110.61	92.32	92.63	77.70	87.86	150.00	10.056	31.61	0.032

3-16-06

GC/MS Volatile Combined MDL Study Summary

Analytical Method	Purge Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ng/L)	Std Dev	MDL (ng/L)	MDL (ug/L)
8260B/624/524.2	5030B	Water	Benzene	01/24/06	37.93	43.59	42.43	35.96	39.16	40.61	34.97	50.00	3.206	10.08	0.010
8260B/624/524.2	5030B	Water	Trichloroethene	01/25/06	83.10	65.73	67.67	66.57	67.75	61.54	54.08	50.00	8.735	27.45	0.027
8260B/624/524.2	5030B	Water	Dibromomethane	01/24/06	47.79	35.23	52.50	33.84	40.96	14.80	34.96	50.00	12.126	38.11	0.038
8260B/624/524.2	5030B	Water	Methylcyclohexane	01/25/06	98.21	80.48	80.37	87.75	85.38	62.19	82.24	150.00	10.830	34.04	0.034
8260B/624/524.2	5030B	Water	1,2-Dichloropropane	01/25/06	102.32	80.06	82.49	98.58	94.99	90.63	97.65	150.00	8.411	26.44	0.026
8260B/624/524.2	5030B	Water	Bromodichloromethane	01/25/06	57.77	61.02	72.46	74.78	51.66	61.84	78.69	50.00	9.944	31.25	0.031
8260B/624/524.2	5030B	Water	2-Chloroethylvinyl ether	02/02/06	2410.17	2886.41	2932.47	3004.78	3050.47	2842.45	3018.27	2000.00	219.340	689.39	0.689
8260B/624/524.2	5030B	Water	4-Methyl-2-pentanone	02/02/06	3072.77	3394.51	3381.85	3308.72	3298.16	3263.77	3431.02	4000.00	119.342	375.09	0.375
8260B/624/524.2	5030B	Water	cis-1,3-Dichloropropene	01/25/06	91.42	90.97	89.52	78.16	80.12	82.37	74.34	150.00	6.820	21.43	0.021
8260B/624/524.2	5030B	Water	Toluene-d8	01/24/06	55.34	52.51	48.28	47.46	53.24	44.15	52.29	50.00	3.930	12.35	0.012
8260B/624/524.2	5030B	Water	Toluene	01/25/06	36.36	33.60	25.63	24.80	28.99	40.24	31.24	50.00	5.629	17.69	0.018
8260B/624/524.2	5030B	Water	trans-1,3-Dichloropropene	01/25/06	30.30	48.86	32.58	32.98	45.86	33.01	22.46	50.00	9.157	28.78	0.029
8260B/624/524.2	5030B	Water	1,1,2-Trichloroethane	01/24/06	29.47	40.04	36.80	32.19	53.34	50.14	35.82	50.00	8.941	28.10	0.028
8260B/624/524.2	5030B	Water	2-Hexanone	02/02/06	2496.97	2892.23	3038.73	2673.97	2804.55	2977.37	2790.57	4000.00	184.386	579.52	0.580
8260B/624/524.2	5030B	Water	1,2-Dibromoethane	01/25/06	108.85	93.59	98.33	89.43	95.46	109.03	77.66	150.00	11.000	34.57	0.035
8260B/624/524.2	5030B	Water	1,3-Dichloropropane	01/25/06	110.55	107.96	108.81	88.91	105.59	107.17	101.35	150.00	7.396	23.25	0.023
8260B/624/524.2	5030B	Water	Dibromochloromethane	01/25/06	39.88	77.64	73.94	56.94	69.23	56.69	68.01	50.00	12.966	40.75	0.041
8260B/624/524.2	5030B	Water	Tetrachloroethene	01/25/06	82.06	81.78	78.32	59.51	78.33	61.76	76.81	50.00	9.403	29.55	0.030
8260B/624/524.2	5030B	Water	1-Chlorohexane	01/25/06	106.83	97.49	108.89	90.44	90.99	63.56	90.45	150.00	14.983	47.09	0.047
8260B/624/524.2	5030B	Water	1,1,1,2-Tetrachloroethane	01/25/06	65.98	62.13	39.07	81.72	90.31	73.57	82.42	50.00	17.067	53.64	0.054
8260B/624/524.2	5030B	Water	Chlorobenzene	01/24/06	40.53	37.21	39.17	44.54	39.90	33.39	39.66	50.00	3.384	10.64	0.011
8260B/624/524.2	5030B	Water	Ethylbenzene	01/25/06	41.68	60.31	64.32	57.82	60.72	63.46	60.80	50.00	7.695	24.19	0.024
8260B/624/524.2	5030B	Water	(m+p)-Xylene	01/26/06	179.97	185.16	171.38	170.87	188.93	192.83	173.78	200.00	8.814	27.70	0.028
8260B/624/524.2	5030B	Water	o-Xylene	01/25/06	99.58	95.02	106.72	98.43	94.96	97.75	93.00	150.00	4.507	14.16	0.014
8260B/624/524.2	5030B	Water	Styrene	01/25/06	23.81	23.40	34.65	26.68	12.72	24.65	25.54	50.00	6.446	20.26	0.020
8260B/624/524.2	5030B	Water	Bromoform	01/27/06	164.36	157.47	168.08	189.50	179.09	165.41	198.69	150.00	14.987	47.11	0.047
8260B/624/524.2	5030B	Water	Bromofluorobenzene	01/25/06	74.85	79.70	50.53	65.68	66.53	82.02	62.08	50.00	10.985	34.53	0.035
8260B/624/524.2	5030B	Water	trans-1,4-Dichloro-2-butene	02/07/06	1375.94	1270.01	1174.42	1244.06	1060.29	809.85	1192.92	1000.00	182.405	573.30	0.573
8260B/624/524.2	5030B	Water	1,1,2,2-Tetrachloroethane	01/25/06	113.79	113.22	71.69	71.15	47.87	67.54	59.69	150.00	25.692	80.75	0.081
8260B/624/524.2	5030B	Water	Isopropylbenzene	01/25/06	32.07	33.16	19.88	36.45	40.51	30.69	36.48	50.00	6.562	20.62	0.021
8260B/624/524.2	5030B	Water	1,2,3-Trichloropropane	01/25/06	80.61	48.41	74.81	94.05	69.11	58.85	74.00	50.00	14.762	46.40	0.046
8260B/624/524.2	5030B	Water	Bromobenzene	01/25/06	24.28	39.94	19.48	30.07	33.32	35.33	45.63	50.00	8.939	28.09	0.028
8260B/624/524.2	5030B	Water	n-Propylbenzene	01/24/06	50.73	45.79	45.54	50.47	43.33	47.61	44.47	50.00	2.876	9.04	0.009

GC/MS Volatile Combined MDL Study Summary

Analytical Method	Purge Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ng/L)	Std Dev	MDL (ng/L)	MDL (ug/L)
8260B/624/524.2	5030B	Water	2-Chlorotoluene	01/24/06	29.36	33.71	40.16	37.23	33.23	34.43	40.14	50.00	3.946	12.40	0.012
8260B/624/524.2	5030B	Water	4-Chlorotoluene	01/25/06	33.22	31.01	30.84	33.96	35.47	22.59	21.56	50.00	5.531	17.39	0.017
8260B/624/524.2	5030B	Water	1,3,5-Trimethylbenzene	01/24/06	30.63	27.96	36.71	25.61	24.17	31.88	30.94	50.00	4.216	13.25	0.013
8260B/624/524.2	5030B	Water	tert-Butylbenzene	01/25/06	28.97	22.53	30.03	23.18	36.01	26.24	33.57	50.00	5.059	15.90	0.016
8260B/624/524.2	5030B	Water	1,2,4-Trimethylbenzene	01/24/06	28.14	28.48	29.68	20.57	21.08	22.40	28.15	50.00	3.954	12.43	0.012
8260B/624/524.2	5030B	Water	sec-Butylbenzene	01/25/06	109.56	113.11	113.82	112.30	104.70	99.58	104.70	150.00	5.372	16.88	0.017
8260B/624/524.2	5030B	Water	1,3-Dichlorobenzene	01/25/06	58.83	44.51	52.46	56.00	54.15	42.77	45.27	50.00	6.321	19.87	0.020
8260B/624/524.2	5030B	Water	p-Isopropyltoluene	01/25/06	16.28	19.52	23.95	28.12	16.39	23.75	22.26	50.00	4.335	13.62	0.014
8260B/624/524.2	5030B	Water	1,4-Dichlorobenzene	01/25/06	72.21	64.67	74.17	61.30	63.86	59.90	67.71	50.00	5.376	16.90	0.017
8260B/624/524.2	5030B	Water	n-Butylbenzene	01/24/06	31.05	36.01	33.18	23.82	28.66	31.63	25.78	50.00	4.238	13.32	0.013
8260B/624/524.2	5030B	Water	1,2-Dichlorobenzene	01/25/06	51.33	62.17	53.71	67.26	53.09	57.74	64.31	50.00	6.167	19.38	0.019
8260B/624/524.2	5030B	Water	1,2-Dibromo-3-chloropropane	02/02/06	1775.69	1781.33	1849.51	1743.60	1759.14	1849.17	1983.15	2000.00	83.005	260.88	0.261
8260B/624/524.2	5030B	Water	1,2,4-Trichlorobenzene	01/24/06	29.39	31.85	29.37	9.32	26.51	29.03	20.28	50.00	7.873	24.74	0.025
8260B/624/524.2	5030B	Water	Hexachlorobutadiene	01/27/06	173.34	143.90	192.35	185.84	162.89	174.09	142.02	150.00	19.401	60.98	0.061
8260B/624/524.2	5030B	Water	Naphthalene	01/24/06	45.18	29.04	26.89	32.82	24.46	22.66	35.10	50.00	7.683	24.15	0.024
8260B/624/524.2	5030B	Water	1,2,3-Trichlorobenzene	01/27/06	91.41	103.94	101.72	113.42	114.15	96.55	124.60	150.00	11.475	36.07	0.036

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

Mercury Data

Life Science Laboratories, Inc.

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

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CMS	SampType: MS	TestCode: HG7470W	Units: mg/L	Prep Date: 9/19/2006	RunNo: 6664		
Client ID: 9-R	Batch ID: 3850	Method: SW7470A / (SW7470A)		Analysis Date: 9/19/2006	SeqNo: 178421		
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00099	0.00020	0.001	0	99	60	135				

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.

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CMSD	SampType: MSD	TestCode: HG7470W	Units: mg/L	Prep Date: 9/19/2006	RunNo: 6664						
Client ID: 9-R	Batch ID: 3850	Method: SW7470A	(SW7470A)	Analysis Date: 9/19/2006	SeqNo: 178422						
Instrument:	ColumnID:										

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00099	0.00020	0.001	0	99	60	135	0.0009902	0.28	11	

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.

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CDUP	SampType: DUP	TestCode: HG7470W	Units: mg/L	Prep Date: 9/19/2006	RunNo: 6664						
Client ID: 9-R	Batch ID: 3850	Method: SW7470A	(SW7470A)	Analysis Date: 9/19/2006	SeqNo: 178420						
Instrument:	ColumnID:										

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020						0	0	23	

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.

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-3850	SampType: LCS	TestCode: HG7470W	Units: mg/L	Prep Date: 9/19/2006	RunNo: 6664						
Client ID: ZZZZZ	Batch ID: 3850	Method: SW7470A	(SW7470A)	Analysis Date: 9/19/2006	SeqNo: 178412						
Instrument:	ColumnID:										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0050	0.00020	0.005	0	99	84	118				

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				

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26-Sep-06

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-3850	SampType: MBLK	TestCode: HG7470W	Units: mg/L	Prep Date: 9/19/2006	RunNo: 6664							
Client ID: ZZZZZ	Batch ID: 3850	Method: SW7470A	(SW7470A)	Analysis Date: 9/19/2006	SeqNo: 178411							
Instrument:	ColumnID:											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	ND	0.00020										

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				

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Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200
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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005C	SampType: PDS	TestCode: HG7470W	Units: mg/L	Prep Date: 9/19/2006	RunNo: 6664						
Client ID: 9-R	Batch ID: 3850	Method: SW7470A	(SW7470A)	Analysis Date: 9/19/2006	SeqNo: 178443						
Instrument:	ColumnID:										

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.0020	0.00020	0.002	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				

e: *26-Sep-06*

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005C SampType: SD TestCode: HG7470W Units: mg/L Prep Date: 9/19/2006 RunNo: 6664
Client ID: 9-R Batch ID: 3850 Method: SW7470A (SW7470A) Analysis Date: 9/19/2006 SeqNo: 178444
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0010						0	0	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				

te: *26-Sep-06*

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.19	97.3					

Trace Metals MDL Study Summary

Instrument ID(s): FIMS-100

Analytical Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (ug/L)	Std Dev	MDL (ug/L)	EstMDL (3xSD)	Conc/ EstMDL	Fails 1-5x	Conc/ MDL	Fails <=5	Fails <=10
7470A	Water	Mercury	09/13/05	0.1185	0.1097	0.1011	0.0996	0.0964	0.0966	0.0980	0.10	0.0083	0.0260	0.0248	4.03	OK	3.8	OK	OK
245.1	Water	Mercury	09/13/05	0.1185	0.1097	0.1011	0.0996	0.0964	0.0966	0.0980	0.10	0.0083	0.0260	0.0248	4.03	OK	3.8	OK	OK

Analytical Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (mg/Kg)	Std Dev	MDL (mg/Kg)	EstMDL (3xSD)	Conc/ EstMDL	Fails 1-5x	Conc/ MDL	Fails <=5	Fails <=10
7471A	Soil	Mercury	01/03/06	0.0132	0.0135	0.0134	0.0134	0.0135	0.0107	0.0139	0.0167	0.0011	0.0034	0.0032	5.19	OK	5.0	OK	OK
245.5	Soil	Mercury	01/03/06	0.0132	0.0135	0.0134	0.0134	0.0135	0.0107	0.0139	0.0167	0.0011	0.0034	0.0032	5.19	OK	5.0	OK	OK

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

METALS MDL Verification Summary

Instrument ID(s): FIMS-100																	Verification Date:8/31/2006
Analytical Method	Matrix	Analyte	Date of Init MDL	Init MDL (ug/L)	RL (ug/L)	MDL Ver Conc. #1	MDL Ver Result#1	MDL Ver %Rec	Is Rec 50-150%	Is MDLV 1-3xMDL?	Does MDL Verify?	If 'no' use MDLV#1?	MDL Ver Conc. #2	MDL Ver Result#2	New MDLV %Rec	New MDL ug/L	Is New MDL < .5*RL?
7470A	Water	Mercury	09/13/05	0.0260	0.200	0.050	0.0306	61%	yes	yes	yes					0.02600	yes
245.1	Water	Mercury	09/13/05	0.0260	0.200	0.050	0.0306	61%	yes	yes	yes					0.02600	yes

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

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PREPARATION LOG

Lab Name: Life Science Laboratories, In Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
1-OS	09/19/2006		50
2-OS	09/19/2006		50
3-OS	09/19/2006		50
4-OS	09/19/2006		50
5-OS	09/19/2006		50
7-OS	09/19/2006		50
8-I	09/19/2006		50
8-OS	09/19/2006		50
8-R	09/19/2006		50
9-I	09/19/2006		50
9-OS	09/19/2006		50
9-R	09/19/2006		50
DUP 906	09/19/2006		50
LCS-3850	09/19/2006		50
MB-3850	09/19/2006		50
PW-1	09/19/2006		50
PW-2	09/19/2006		50
SVWC-93	09/19/2006		50
SVWC-94	09/19/2006		50
SVWC-95	09/19/2006		50
SVWC-96	09/19/2006		50

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Instrument ID Number: FIMS 100 Method: AV

Start Date: 09/19/2006 End Date: 09/19/2006

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.00	1356																X												
S0.2	1.00	1358																X												
S0.5	1.00	1400																X												
S1.0	1.00	1402																X												
S2.0	1.00	1404																X												
S5.0	1.00	1406																X												
S10.0	1.00	1409																X												
ICV	1.00	1509																X												
ICB	1.00	1511																X												
CRA	1.00	1513																X												
MB-3851	1.00	1515																X												
MB-3853	1.00	1515																X												
LCS-3851	1.00	1518																X												
LCS-3853	1.00	1518																X												
ZZZZZZ	1.00	1520																X												
ZZZZZZ	1.00	1522																X												
ZZZZZZ	1.00	1524																X												
ZZZZZZ	1.00	1526																X												
ZZZZZZ	1.00	1529																X												
ZZZZZZ	1.00	1531																X												
MBF-3852	1.00	1535																X												
CCV1	1.00	1538																X												
CCB1	1.00	1540																X												
ZZZZZZ	1.00	1542																X												
ZZZZZZ	1.00	1544																X												
ZZZZZZ	1.00	1546																X												
ZZZZZZ	1.00	1548																X												
ZZZZZZ	1.00	1551																X												
ZZZZZZ	1.00	1553																X												
ZZZZZZ	1.00	1555																X												
MB-3850	1.00	1557																X												
LCS-3850	1.00	1559																X												
SVWC-93	1.00	1602																X												
CCV2	1.00	1604																X												
CCB2	1.00	1606																X												

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Instrument ID Number: FIMS 100 Method: AV

Start Date: 09/19/2006 End Date: 09/19/2006

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
SVWC-94	1.00	1608																X									
SVWC-95	1.00	1610																X									
SVWC-96	1.00	1612																X									
9-R	1.00	1616																X									
ZZZZZZ	1.00	1618																X									
ZZZZZZ	1.00	1620																X									
ZZZZZZ	1.00	1623																X									
DUP 906	1.00	1625																X									
9-I	1.00	1627																X									
9-OS	1.00	1629																X									
CCV3	1.00	1631																X									
CCB3	1.00	1634																X									
PW-1	1.00	1636																X									
PW-2	1.00	1638																X									
8-R	1.00	1640																X									
7-OS	1.00	1642																X									
8-OS	1.00	1644																X									
8-I	1.00	1646																X									
5-OS	1.00	1649																X									
1-OS	1.00	1651																X									
2-OS	1.00	1653																X									
3-OS	1.00	1655																X									
CCV4	1.00	1657																X									
CCB4	1.00	1659																X									
4-OS	1.00	1702																X									
ZZZZZZ	1.00	1704																X									
ZZZZZZ	5.00	1706																X									
ZZZZZZ	1.00	1708																X									
ZZZZZZ	5.00	1710																X									
CCV5	1.00	1712																X									
CCB5	1.00	1715																X									

ICP 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: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CMS	SampType: MS	TestCode: 6010W05	Units: mg/L	Prep Date: 9/15/2006	RunNo: 6696		
Client ID: 9-R	Batch ID: 3835	Method: SW6010B	(SW3005A)	Analysis Date: 9/21/2006	SeqNo: 179122		
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.1	0.050	1	0.0727	99	80	122				
Antimony	0.20	0.0030	0.2	0	100	80	120				
Arsenic	0.21	0.0050	0.2	0.0059	102	80	120				
Barium	0.22	0.10	0.2	0.02111	99	77	122				
Beryllium	0.20	0.0030	0.2	0	99	80	120				
Cadmium	0.20	0.0010	0.2	0.00053	101	80	120				
Calcium	38	1.0	10	27.35	105	60	140				
Chromium	0.21	0.010	0.2	0.00413	101	80	120				
Cobalt	0.20	0.010	0.2	0.00369	100	78	120				
Copper	0.20	0.010	0.2	0	100	80	120				
Iron	8.2	0.050	1	6.995	124	67	130				
Lead	0.20	0.0050	0.2	0	101	80	120				
Magnesium	18	1.0	10	8.293	100	73	120				
Manganese	3.0	0.050	0.2	2.783	84	77	120				
Nickel	0.20	0.050	0.2	0.0018	102	80	120				
Potassium	22	5.0	10	10.99	109	78	140				
Selenium	0.20	0.0050	0.2	0	101	76	121				
Silver	0.049	0.010	0.05	0	99	80	120				
Sodium	38	1.0	10	28.14	99	60	140				
Strontium	0.32	0.050	0.2	0.1235	100	75	125				
Thallium	0.20	0.010	0.2	0	102	76	120				
Vanadium	0.21	0.050	0.2	0	103	80	120				
Zinc	0.23	0.010	0.2	0.02848	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				

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Life Science Laboratories, Inc.

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

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CMSD SampType: MSD TestCode: 6010W05 Units: mg/L Prep Date: 9/15/2006 RunNo: 6696
Client ID: 9-R Batch ID: 3835 Method: SW6010B (SW3005A) Analysis Date: 9/21/2006 SeqNo: 179123
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.1	0.050	1	0.0727	102	80	122	1.066	1.99	10	
Antimony	0.20	0.0030	0.2	0	101	80	120	0.1994	1.28	10	
Arsenic	0.21	0.0050	0.2	0.0059	103	80	120	0.2098	1.31	10	
Barium	0.22	0.10	0.2	0.02111	100	77	122	0.2182	0.89	10	
Beryllium	0.20	0.0030	0.2	0	101	80	120	0.199	1.06	10	
Cadmium	0.20	0.0010	0.2	0.00053	102	80	120	0.2022	1.18	10	
Calcium	38	1.0	10	27.35	108	60	140	37.82	0.80	10	
Chromium	0.21	0.010	0.2	0.00413	103	80	120	0.2069	1.23	10	
Cobalt	0.21	0.010	0.2	0.00369	101	78	120	0.2035	1.11	10	
Copper	0.20	0.010	0.2	0	102	80	120	0.201	1.12	10	
Iron	8.3	0.050	1	6.995	131	67	130	8.233	0.92	10	S
Lead	0.20	0.0050	0.2	0	102	80	120	0.2022	1.15	10	
Magnesium	18	1.0	10	8.293	101	73	120	18.26	0.88	10	
Manganese	3.0	0.050	0.2	2.783	91	77	120	2.951	0.50	10	
Nickel	0.21	0.050	0.2	0.0018	103	80	120	0.2048	1.23	10	
Potassium	22	5.0	10	10.99	111	78	140	21.94	0.91	10	
Selenium	0.20	0.0050	0.2	0	101	76	121	0.2027	0.19	10	
Silver	0.051	0.010	0.05	0	101	80	120	0.04931	2.80	10	
Sodium	39	1.0	10	28.14	104	60	140	38.04	1.23	10	
Strontium	0.33	0.050	0.2	0.1235	102	75	125	0.3241	0.76	20	
Thallium	0.21	0.010	0.2	0	104	76	120	0.2043	1.56	11	
Vanadium	0.21	0.050	0.2	0	104	80	120	0.206	1.24	10	
Zinc	0.26	0.010	0.2	0.02848	114	80	120	0.2333	9.59	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

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26-Sep-06

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CDUP SampType: DUP TestCode: 6010W05 Units: mg/L Prep Date: 9/15/2006 RunNo: 6696
Client ID: 9-R Batch ID: 3835 Method: SW6010B (SW3005A) Analysis Date: 9/21/2006 SeqNo: 179121
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.075	0.050						0.0727	2.79	22	
Antimony	ND	0.0030								20	
Arsenic	0.0042	0.0050						0.0059	34.4	40	J
Barium	0.022	0.10						0.02111	5.17	10	J
Beryllium	ND	0.0030								20	
Cadmium	0.00044	0.0010						0.00053	18.6	20	J
Calcium	28	1.0						27.35	1.31	10	
Chromium	0.0039	0.010						0.00413	5.47	40	J
Cobalt	0.0033	0.010						0.00369	10.3	20	J
Copper	ND	0.010								24	
Iron	7.1	0.050						6.995	1.31	14	
Lead	0.0013	0.0050						0	200	38	J~~R~~
Magnesium	8.4	1.0						8.293	1.11	10	
Manganese	2.8	0.050						2.783	1.07	10	
Nickel	ND	0.050						0.0018	200	29	~~R~~
Potassium	11	5.0						10.99	1.52	10	CT
Selenium	ND	0.0050								20	9/28/06
Silver	ND	0.010								20	
Sodium	28	1.0						28.14	0.98	11	
Strontium	0.13	0.050						0.1235	1.26	20	
Thallium	ND	0.010								20	
Vanadium	ND	0.050								26	
Zinc	0.029	0.010						0.02848	2.43	24	

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.
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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005C SampType: PDS TestCode: 6010W05 Units: mg/L Prep Date: 9/15/2006 RunNo: 6696
Client ID: 9-R Batch ID: 3835 Method: SW6010B (SW3005A) Analysis Date: 9/21/2006 SeqNo: 179124
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.1	0.050	1	0.0727	100	75	125				
Antimony	0.19	0.0030	0.2	0	96	75	125				
Arsenic	0.21	0.0050	0.2	0.0059	100	75	125				
Barium	0.22	0.10	0.2	0.02111	97	75	125				
Beryllium	0.20	0.0030	0.2	0	98	75	125				
Cadmium	0.20	0.0010	0.2	0.00053	100	75	125				
Calcium	37	1.0	10	27.35	98	75	125				
Chromium	0.20	0.010	0.2	0.00413	100	75	125				
Cobalt	0.20	0.010	0.2	0.00369	99	75	125				
Copper	0.20	0.010	0.2	0	99	75	125				
Iron	8.1	0.050	1	6.995	110	75	125				
Lead	0.20	0.0050	0.2	0	101	75	125				
Magnesium	18	1.0	10	8.293	97	75	125				
Manganese	2.9	0.050	0.2	2.783	55	75	125				S
Nickel	0.20	0.050	0.2	0.0018	100	75	125				
Potassium	21	5.0	10	10.99	105	75	125				
Selenium	0.20	0.0050	0.2	0	100	75	125				
Silver	0.049	0.010	0.05	0	98	75	125				
Sodium	38	1.0	10	28.14	95	75	125				
Strontium	0.32	0.050	0.2	0.1235	98	75	125				
Thallium	0.20	0.010	0.2	0	101	75	125				
Vanadium	0.20	0.050	0.2	0	102	75	125				
Zinc	0.23	0.010	0.2	0.02848	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				

e: *26-Sep-06*

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Life Science Laboratories, Inc.

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

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-3835	SampType: LCS	TestCode: 6010W05	Units: mg/L	Prep Date: 9/15/2006		RunNo: 6696	
Client ID: ZZZZZ	Batch ID: 3835	Method: SW6010B	(SW3005A)	Analysis Date: 9/21/2006		SeqNo: 179112	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.0	0.050	1	0	101	85	115				
Antimony	0.20	0.0030	0.2	0	100	85	115				
Arsenic	0.20	0.0050	0.2	0	102	85	115				
Barium	0.20	0.10	0.2	0	99	85	115				
Beryllium	0.20	0.0030	0.2	0	100	85	115				
Cadmium	0.20	0.0010	0.2	0	101	85	115				
Calcium	10	1.0	10	0	101	85	115				
Chromium	0.20	0.010	0.2	0	102	85	115				
Cobalt	0.20	0.010	0.2	0	101	85	115				
Copper	0.20	0.010	0.2	0	100	85	115				
Iron	1.0	0.050	1	0	101	85	115				
Lead	0.20	0.0050	0.2	0	101	85	115				
Magnesium	10	1.0	10	0	101	85	115				
Manganese	0.20	0.050	0.2	0	101	85	115				
Nickel	0.20	0.050	0.2	0	102	85	115				
Potassium	10	5.0	10	0	105	85	115				
Selenium	0.20	0.0050	0.2	0	102	85	115				
Silver	0.050	0.010	0.05	0	100	85	115				
Sodium	10	1.0	10	0	100	85	115				
Strontium	0.20	0.050	0.2	0	101	80	120				
Thallium	0.21	0.010	0.2	0	103	85	115				
Vanadium	0.21	0.050	0.2	0	103	85	115				
Zinc	0.21	0.010	0.2	0	103	85	115				

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.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-3835	SampType: MBLK	TestCode: 6010W05	Units: mg/L	Prep Date: 9/15/2006	RunNo: 6696		
Client ID: ZZZZZ	Batch ID: 3835	Method: SW6010B	(SW3005A)	Analysis Date: 9/21/2006	SeqNo: 179111		
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.025	0.050									
Antimony	ND	0.0030									J
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									
Strontium	ND	0.050									
Thallium	ND	0.010									
Vanadium	ND	0.050									
Zinc	0.0015	0.010									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				

209 : *26-Sep-06*

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum				100.00			104.43	104.4
Antimony				60.00			60.08	100.1
Arsenic				5.00			3.85	77.0
Barium				100.00			98.62	98.6
Beryllium				10.00			9.88	98.8
Cadmium				10.00			11.72	117.2
Calcium				1000.00			964.12	96.4
Chromium				10.00			9.51	95.1
Cobalt				50.00			49.33	98.7
Copper				10.00			10.73	107.3
Iron				50.00			50.16	100.3
Lead				5.00			5.11	102.2
Magnesium				1000.00			1014.14	101.4
Manganese				50.00			49.89	99.8
Nickel				50.00			49.51	99.0
Potassium				5000.00			4795.32	95.9
Selenium				5.00			4.68	93.6
Silver				10.00			8.78	87.8
Sodium				1000.00			855.02	85.5
Strontium				50.00			49.59	99.2
Thallium				10.00			9.15	91.5
Vanadium				50.00			50.08	100.2
Zinc				10.00			10.15	101.5

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum				50.00			43.48	87.0
Antimony				3.00			2.98	99.3
Beryllium				3.00			2.90	96.7

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Cadmium				1.00			1.17	117.0

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

ICP ID Number: ICAP 61E ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	474632	465021.8	93.0	481473	469929.5	94.0
Antimony	0	600	0	563.0	93.8	1	566.6	94.4
Arsenic	0	100	0	93.7	93.7	0	93.3	93.3
Barium	0	500	0	474.5	94.9	1	469.2	93.8
Beryllium	0	500	0	457.6	91.5	0	461.9	92.4
Boron	0	0	31	-3.7		33	-1.6	0.0
Cadmium	0	1000	2	878.4	87.8	1	884.5	88.4
Calcium	500000	500000	494271	487885.4	97.6	494877	484669.4	96.9
Chromium	0	500	0	452.8	90.6	1	457.9	91.6
Cobalt	0	500	2	444.3	88.9	4	447.9	89.6
Copper	0	500	1	495.7	99.1	1	494.1	98.8
Iron	200000	200000	180165	177843.4	88.9	183392	179364.2	89.7
Lead	0	50	0	45.4	90.8	3	44.8	89.5
Magnesium	500000	500000	507076	498391.5	99.7	516240	503476.0	100.7
Manganese	0	500	-1	455.4	91.1	-1	457.0	91.4
Molybdenum	0	0	0	-1.2		0	-0.6	0.0
Nickel	0	1000	0	889.1	88.9	0	884.4	88.4
Potassium	0	0	76	48.5		82	81.9	0.0
Selenium	0	50	-1	48.2	96.4	-1	45.4	90.9
Silver	0	200	0	194.3	97.1	-1	195.3	97.6
Sodium	0	0	5	13.0		7	16.7	0.0
Strontium	0	0	-1	0.2		-1	0.2	0.0
Thallium	0	100	1	89.6	89.6	3	91.5	91.5
Tin	0	0	24	23.9		26	25.2	0.0
Titanium	0	0	1	0.6		1	1.3	0.0
Vanadium	0	500	1	460.6	92.1	0	463.4	92.7
Zinc	0	1000	1	946.1	94.6	1	952.0	95.2

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

ICP ID Number: ICAP 61E ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	478148	473433.4	94.7	477997	474867.1	95.0
Antimony	0	600	-1	567.3	94.5	0	560.6	93.4
Arsenic	0	100	0	97.1	97.1	0	95.8	95.8
Barium	0	500	0	466.2	93.2	1	463.3	92.7
Beryllium	0	500	0	456.0	91.2	0	452.4	90.5
Boron	0	0	31	-2.3		32	-1.8	0.0
Cadmium	0	1000	0	881.3	88.1	-1	875.2	87.5
Calcium	500000	500000	489704	486628.4	97.3	482040	481813.4	96.4
Chromium	0	500	0	452.4	90.5	1	450.1	90.0
Cobalt	0	500	2	448.8	89.8	3	444.8	89.0
Copper	0	500	1	501.3	100.3	1	495.6	99.1
Iron	200000	200000	177561	176495.8	88.2	175365	175129.3	87.6
Lead	0	50	6	46.9	93.8	5	46.4	92.8
Magnesium	500000	500000	499541	494960.2	99.0	492187	490275.5	98.1
Manganese	0	500	0	451.7	90.3	0	448.4	89.7
Molybdenum	0	0	1	0.3		1	0.0	0.0
Nickel	0	1000	1	891.2	89.1	0	885.7	88.6
Potassium	0	0	-292	-274.8		-247	-264.9	0.0
Selenium	0	50	-1	44.0	87.9	-3	43.3	86.5
Silver	0	200	0	196.8	98.4	0	194.6	97.3
Sodium	0	0	3	16.9		6	18.1	0.0
Strontium	0	0	-1	0.1		-1	0.1	0.0
Thallium	0	100	-5	95.7	95.7	0	91.5	91.5
Tin	0	0	23	25.1		21	22.3	0.0
Titanium	0	0	1	0.9		1	1.0	0.0
Vanadium	0	500	1	457.6	91.5	0	454.7	90.9
Zinc	0	1000	1	953.4	95.3	-1	941.9	94.2

ICP SERIAL DILUTIONS

Lab Name: Life Science Laboratories, Inc Contract:

ZZZZZZ

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Matrix (soil/water): WATER Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	72.70		190.33	J	161.8		P
Antimony	1.52	U	18.39	J			P
Arsenic	5.90		7.58	J	28.5		P
Barium	21.11	J	22.94	J	8.7		P
Beryllium	0.10	U	0.65	J			P
Cadmium	0.53	J	2.74	J	417.0		P
Calcium	27350.63		27024.81		1.2		P
Chromium	4.13	J	12.04	J	191.5		P
Cobalt	3.69	J	11.45	J	210.3		P
Copper	1.88	U	9.40	U			P
Iron	6995.42		6955.67		0.6		P
Lead	0.84	U	4.20	U			P
Magnesium	8293.31		8452.71		1.9		P
Manganese	2783.28		2787.15		0.1		P
Mercury	0.01	U	0.03	U			AV
Nickel	1.80	J	5.60	U	100.0		P
Potassium	10987.50		10319.79	J	6.1		P
Selenium	2.64	U	13.20	U			P
Silver	0.90	U	4.50	U			P
Sodium	28138.36		26171.06		7.0		P
Thallium	5.87	U	29.35	U			P
Vanadium	2.00	U	10.00	U			P
Zinc	28.48		28.76	J	1.0		P

Trace Metals MDL Study Summary

Instrument ID(s):	ICAP 61E													
Analytical Method	Prep. Method	Matrix	Analyte	Date Analyzed	MDL #1	MDL #2	MDL #3	MDL #4	MDL #5	MDL #6	MDL #7	Test Conc. (mg/L)	Std Dev	MDL (mg/L)
6010B	3005A	Water	Ag	6/20/2006	0.00540	0.00488	0.00494	0.00531	0.00467	0.00533	0.00485	0.0050	0.00029	0.00090
6010B	3005A	Water	Al	6/20/2006	0.06124	0.06762	0.06298	0.06340	0.05617	0.05826	0.05787	0.0500	0.00396	0.01245
6010B	3005A	Water	As	7/11/2006	0.01039	0.01042	0.01028	0.01040	0.01000	0.00940	0.01044	0.0100	0.00038	0.00120
6010B	3005A	Water	B_	6/20/2006	0.01226	0.01317	0.01216	0.01231	0.01045	0.01105	0.01102	0.0100	0.00095	0.00300
6010B	3005A	Water	Ba	6/20/2006	0.00123	0.00108	0.00127	0.00114	0.00079	0.00095	0.00095	0.0010	0.00017	0.00054
6010B	3005A	Water	Be	6/20/2006	0.00059	0.00060	0.00057	0.00057	0.00052	0.00053	0.00054	0.0005	0.00003	0.00010
6010B	3005A	Water	Ca	6/20/2006	0.03439	0.03157	0.03114	0.03032	0.02807	0.02802	0.03059	0.0500	0.00219	0.00688
6010B	3005A	Water	Cd	6/20/2006	0.00144	0.00130	0.00138	0.00137	0.00106	0.00117	0.00122	0.0010	0.00013	0.00042
6010B	3005A	Water	Co	6/20/2006	0.00702	0.00646	0.00693	0.00697	0.00542	0.00597	0.00609	0.0050	0.00061	0.00192
6010B	3005A	Water	Cr	6/20/2006	0.00728	0.00795	0.00694	0.00702	0.00685	0.00666	0.00662	0.0050	0.00046	0.00144
6010B	3005A	Water	Cu	6/20/2006	0.00627	0.00500	0.00448	0.00487	0.00562	0.00569	0.00537	0.0050	0.00060	0.00188
6010B	3005A	Water	Fe	6/20/2006	0.02293	0.02224	0.02131	0.02104	0.02152	0.02542	0.02391	0.0200	0.00159	0.00500
6010B	3005A	Water	K_	6/20/2006	0.32322	0.34074	0.31213	0.32192	0.27652	0.29623	0.29597	0.3000	0.02149	0.06756
6010B	3005A	Water	Mg	6/20/2006	0.06656	0.06372	0.06406	0.06472	0.05488	0.05889	0.06072	0.0500	0.00403	0.01266
6010B	3005A	Water	Mn	6/20/2006	0.00133	0.00143	0.00125	0.00131	0.00126	0.00121	0.00119	0.0010	0.00008	0.00026
6010B	3005A	Water	Mo	6/20/2006	0.01204	0.01238	0.01056	0.01043	0.00999	0.01173	0.01058	0.0100	0.00093	0.00292
6010B	3005A	Water	Na	6/20/2006	0.05234	0.05058	0.04730	0.05256	0.04542	0.05082	0.05147	0.0500	0.00269	0.00846
6010B	3005A	Water	Ni	6/20/2006	0.00559	0.00491	0.00496	0.00499	0.00474	0.00539	0.00457	0.0050	0.00036	0.00112
6010B	3005A	Water	Pb	6/20/2006	0.00533	0.00520	0.00468	0.00472	0.00504	0.00492	0.00465	0.0050	0.00027	0.00084
6010B	3005A	Water	Sb	6/20/2006	0.01073	0.00952	0.01043	0.01064	0.00968	0.00991	0.00985	0.0100	0.00048	0.00152
6010B	3005A	Water	Se	6/20/2006	0.00946	0.00942	0.00826	0.01010	0.01023	0.00999	0.00822	0.0100	0.00084	0.00264
6010B	3005A	Water	Sn	6/20/2006	0.02345	0.02519	0.02322	0.02287	0.01973	0.02001	0.02060	0.0200	0.00206	0.00647
6010B	3005A	Water	Sr	6/20/2006	0.00046	0.00042	0.00044	0.00044	0.00032	0.00037	0.00038	0.0005	0.00005	0.00016
6010B	3005A	Water	Ti	6/20/2006	0.00307	0.00295	0.00295	0.00305	0.00245	0.00261	0.00267	0.0020	0.00024	0.00076
6010B	3005A	Water	Tl	6/20/2006	0.02660	0.02335	0.02539	0.02539	0.02155	0.02236	0.02289	0.0200	0.00187	0.00587
6010B	3005A	Water	V_	6/20/2006	0.00474	0.00465	0.00434	0.00455	0.00432	0.00488	0.00443	0.0050	0.00021	0.00066
6010B	3005A	Water	Zn	6/20/2006	0.01198	0.01156	0.01144	0.01145	0.01205	0.01151	0.01259	0.0100	0.00043	0.00135

MDLs are calculated using the method in Appendix B, Part 136, Revision 1.11 of the Federal Register, Volume 49, No. 209, October 1984.

MDL=(S.Dev) x (t-value)

The MDL is a statistical measurement which defines the theoretical minimum concentration of a substance which can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

ICP ID Number: ICAP-61E Date: 12/15/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.22			0.0003460		0.0006480
Antimony	206.83			0.0000750		0.0129480
Arsenic	196.70			-0.0000090		-0.0034400
Barium	493.41					
Beryllium	313.04					
Cadmium	228.80	0.0000330		0.0000520		
Calcium	317.93					
Chromium	267.72			0.0000500	0.0000320	
Cobalt	228.62					
Copper	324.75			-0.0000350		-0.0001440
Iron	259.94				0.0002240	
Lead	220.35	0.0007520		0.0000550		
Magnesium	279.08					
Manganese	257.61			0.0000260		
Molybdenum	202.03					
Nickel	231.60					
Potassium	766.49		-0.000615		-0.0010980	
Selenium	196.03			-0.0000230		-0.0000670
Silver	328.07					
Sodium	589.00					
Thallium	190.86	0.0004910		0.0001340		0.0003140
Vanadium	292.40					
Zinc	213.86	0.0000210		0.0000520	0.0000320	

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

ICP ID Number: ICAP-61E Date: 12/15/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Mo	Ni	Co	Mn
Aluminum	308.22	0.0202100	0.0208750			
Antimony	206.83	-0.0056200	-0.0032040			
Arsenic	196.70		-0.0018450			
Barium	493.41					
Beryllium	313.04					
Cadmium	228.80					
Calcium	317.93					
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35		-0.0005760	0.000128		
Magnesium	279.08					
Manganese	257.61					
Molybdenum	202.03					
Nickel	231.60				-0.000791	
Potassium	766.49					
Selenium	196.03				-0.000303	0.000372
Silver	328.07		0.0006540			
Sodium	589.00					
Thallium	190.86	0.0029890			0.004124	0.002437
Vanadium	292.40		-0.0021760			
Zinc	213.86			0.004975		

Comments:

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

ICP ID Number: ICAP-61E Date: 12/15/05

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	Pb	___	___	___
Aluminum	308.22					
Antimony	206.83					
Arsenic	196.70					
Barium	493.41					
Beryllium	313.04					
Cadmium	228.80					
Calcium	317.93					
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35	-0.000708				
Magnesium	279.08					
Manganese	257.61					
Molybdenum	202.03					
Nickel	231.60					
Potassium	766.49					
Selenium	196.03					
Silver	328.07					
Sodium	589.00					
Thallium	190.86	0.002999	0.000461			
Vanadium	292.40					
Zinc	213.86					

Comments:

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

ICP ID Number: ICAP 61E Date: 08/14/2006

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	15.00	600000	P
Antimony	15.00	10000	P
Arsenic	15.00	10000	P
Barium	15.00	10000	P
Beryllium	15.00	5000	P
Cadmium	15.00	5000	P
Calcium	15.00	2000000	P
Chromium	15.00	200000	P
Cobalt	15.00	30000	P
Copper	15.00	20000	P
Iron	15.00	500000	P
Lead	15.00	200000	P
Magnesium	15.00	600000	P
Manganese	15.00	10000	P
Nickel	15.00	50000	P
Potassium	15.00	100000	P
Selenium	15.00	10000	P
Silver	15.00	5000	P
Sodium	15.00	2000000	P
Thallium	15.00	20000	P
Vanadium	15.00	20000	P
Zinc	15.00	5000	P

Comments:

13
PREPARATION LOG

Lab Name: Life Science Laboratories, In Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
7-OS	09/15/2006		50
8-R	09/15/2006		50
9-I	09/15/2006		50
9-OS	09/15/2006		50
9-R	09/15/2006		50
~~9-RA~~	~~09/15/2006~~		~~50~~
9-RD	09/15/2006		50 CT 9/28/06
~~9-RL~~	~~09/15/2006~~		~~50~~
9-RS	09/15/2006		50
9-RSD	09/15/2006		50
DUP 906	09/15/2006		50
LCS-3835	09/15/2006		50
MB-3835	09/15/2006		50
PW-1	09/15/2006		50
PW-2	09/15/2006		50
SVWC-93	09/15/2006		50
SVWC-94	09/15/2006		50
SVWC-95	09/15/2006		50
SVWC-96	09/15/2006		50

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Instrument ID Number: ICAP 61E Method: P

Start Date: 09/21/2006 End Date: 09/21/2006

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1002		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S3 CT	1.00	1005		X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S2 9/28/06	1.00	1009		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1.00	1011		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICVH	1.00	1013		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	1017		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV/IPC	1.00	1020		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.00	1027		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1031		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSA	1.00	1038			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1045		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MB-3835	1.00	1105		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
LCS-3835	1.00	1108		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SVWC-93	1.00	1111		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1115		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1118		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1122		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVH1	1.00	1132		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV1	1.00	1136		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB1	1.00	1139		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1142		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1146		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1149		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1152		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1156		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	5.00	1159		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1203		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1206		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1209		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1213		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVH2	1.00	1216		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV2	1.00	1219		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB2	1.00	1223		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ZZZZZZ	1.00	1226		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	
ZZZZZZ	1.00	1230		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Instrument ID Number: ICAP 61E Method: P

Start Date: 09/21/2006 End Date: 09/21/2006

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ZZZZZZ	1.00	1234		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1237		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1245		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1248		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1251		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1255		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1258		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1302		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCVH3	1.00	1305		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV3	1.00	1308		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB3	1.00	1312		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MB-3873	1.00	1418		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
LCS-3873	1.00	1421		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
LCSD-3873	1.00	1424		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1434		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1438		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1442		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1455		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1459		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1502		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCVH4	1.00	1505		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV4	1.00	1509		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB4	1.00	1515		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1519		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1522		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1526		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1532		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1536		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1539		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1545		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1548		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.00	1552		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MB-3872	1.00	1604		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCVH5	1.00	1607		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV5	1.00	1610		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				

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14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069I

Instrument ID Number: ICAP 61E Method: P

Start Date: 09/21/2006 End Date: 09/21/2006

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN	
CCB5	1.00	1616		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
LCS-3872	1.00	1620		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1623				X	X		X			X			X						X	X						
ZZZZZZ	1.00	1627		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1630		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	1.00	1633		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ZZZZZZ	5.00	1641		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICSA	1.00	1644		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
ICSAB	1.00	1648		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCVH6	1.00	1651		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCV6	1.00	1655		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		
CCB6	1.00	1658		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X		

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0609069

Instrument ID Number: ICAP 61E Method: P

Start Date: 09/22/2006 End Date: 09/22/2006

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.00	1402		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S3 CT	1.00	1406		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S2 9/27/06	1.00	1410		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S1	1.00	1412		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICVH	1.00	1414		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICV	1.00	1418		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV/IPC	1.00	1422		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB	1.00	1425		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CRI	1.00	1433		X	X			X																						
CRI	1.00	1441							X																					
ICSA	1.00	1445		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.00	1449		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MB-3876	1.00	1501		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
LCS-3876	1.00	1505		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1508		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1511				X	X		X			X			X						X	X								
ZZZZZZ	1.00	1515		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCVH1	1.00	1518		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV1	1.00	1521		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB1	1.00	1525		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1528		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.00	1532		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	5.00	1535		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCVH2	1.00	1607		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV2	1.00	1610		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB2	1.00	1613		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSA	1.00	1634		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSAB	1.00	1637		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCVH3	1.00	1640		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCV3	1.00	1644		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB3	1.00	1647		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

Wet Chemistry Data

COD 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: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005ADUP SampType: DUP TestCode: COD410.4 Units: mg/L Prep Date: RunNo: 6627
Client ID: 9-R Batch ID: R6627 Method: EPA 410.4 Analysis Date: 9/14/2006 SeqNo: 177549
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	10						0	0	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

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: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609082-001ADUP SampType: DUP TestCode: COD410.4 Units: mg/L Prep Date: RunNo: 6654
Client ID: 8-OS Batch ID: R6654 Method: EPA 410.4 Analysis Date: 9/19/2006 SeqNo: 178135
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	ND	10						0	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				

:e: *02-Oct-06*

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005AMS	SampType: MS	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo: 6627	
Client ID: 9-R	Batch ID: R6627	Method: EPA 410.4		Analysis Date: 9/14/2006		SeqNo: 177550	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	75	10	75	0	101	71	130				

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.

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005AMSD	SampType: MSD	TestCode: COD410.4	Units: mg/L	Prep Date:			RunNo: 6627				
Client ID: 9-R	Batch ID: R6627	Method: EPA 410.4		Analysis Date: 9/14/2006			SeqNo: 177556				
Instrument:	ColumnID:										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	73	10	75	0	98	71	130	75.39	2.87	11	

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.

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609082-001AMS	SampType: MS	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo: 6654	
Client ID: 8-OS	Batch ID: R6654	Method: EPA 410.4		Analysis Date: 9/19/2006		SeqNo: 178136	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	75	10	75	0	101	71	130				

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

232 e: *02-Oct-06*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609082-001AMSD	SampType: MSD	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo: 6654			
Client ID: 8-OS	Batch ID: R6654	Method: EPA 410.4		Analysis Date: 9/19/2006		SeqNo: 178137			
Instrument:	ColumnID:								

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	78	10	75	0	103	71	130	75.39	2.79	11	

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
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ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R6627	SampType: LCS	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo: 6627	
Client ID: ZZZZZ	Batch ID: R6627	Method: EPA 410.4		Analysis Date: 9/14/2006		SeqNo: 177542	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	71	10	75	0	95	88	110				

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
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ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R6654	SampType: LCS	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo:	6654
Client ID: ZZZZZ	Batch ID: R6654	Method: EPA 410.4		Analysis Date: 9/19/2006		SeqNo:	178133
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chemical Oxygen Demand	73	10	75	0	98	88	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				

235

e: *02-Oct-06*

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: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R6627	SampType: MBLK	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo: 6627	
Client ID: ZZZZZ	Batch ID: R6627	Method: EPA 410.4		Analysis Date: 9/14/2006		SeqNo: 177541	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%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				

236 : *01-Oct-06*

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 410.4
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R6654	SampType: MBLK	TestCode: COD410.4	Units: mg/L	Prep Date:		RunNo: 6654			
Client ID: ZZZZZ	Batch ID: R6654	Method: EPA 410.4		Analysis Date: 9/19/2006		SeqNo: 178132			
Instrument:	ColumnID:								

Analyte	Result	PQL	SPK value	SPK Ref Val	%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				

237

te: *02-Oct-06*

Hardness Data

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005CDUP	SampType: DUP	TestCode: HARD130.2	Units: mg/L	Prep Date:		RunNo: 6789			
Client ID: 9-R	Batch ID: R6789	Method: EPA 130.2		Analysis Date: 9/29/2006		SeqNo: 182613			
Instrument:	ColumnID:								

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	120	10						124	0	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				

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:: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609082-007CDUP	SampType: DUP	TestCode: HARD130.2	Units: mg/L	Prep Date:		RunNo: 6736	
Client ID: 3-OS	Batch ID: R6736	Method: EPA 130.2		Analysis Date: 9/27/2006		SeqNo: 180647	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	600	10						580	3.39	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				

240 e: *02-Oct-06*

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R6737 SampType: LCS TestCode: HARD130.2 Units: mg/L Prep Date: RunNo: 6737
Client ID: ZZZZZ Batch ID: R6737 Method: EPA 130.2 Analysis Date: 9/26/2006 SeqNo: 180292
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	1100	10	1000	0	108	87	110				

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

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e: *02-Oct-06*

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R6736	SampType: LCS	TestCode: HARD130.2	Units: mg/L	Prep Date:		RunNo: 6736	
Client ID: ZZZZZ	Batch ID: R6736	Method: EPA 130.2		Analysis Date: 9/27/2006		SeqNo: 180644	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	1000	10	1000	0	102	87	110				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value exceeds the instrument calibration range
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit
U	Not Detected at the MDC or RL		

J	Analyte detected below the PQL
S	Spike Recovery outside accepted recovery limits

242 te: *02-Oct-06*

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R6789	SampType: LCS	TestCode: HARD130.2	Units: mg/L	Prep Date:			RunNo: 6789		
Client ID: ZZZZZ	Batch ID: R6789	Method: EPA 130.2		Analysis Date: 9/29/2006			SeqNo: 182610		
Instrument:	ColumnID:								

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hardness (As CaCO3)	940	10	1000	0	94	87	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				

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e: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R6737 SampType: MBLK TestCode: HARD130.2 Units: mg/L Prep Date: RunNo: 6737
Client ID: ZZZZZ Batch ID: R6737 Method: EPA 130.2 Analysis Date: 9/26/2006 SeqNo: 180272
Instrument: ColumnID:

Analyte	Result	PQL	SPK value	SPK Ref Val	%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
ND	Not Detected at the Practical Quantitation Limit (PQL)	R	RPD exceeds accepted precision limit
U	Not Detected at the MDC or RL		

J	Analyte detected below the PQL		
S	Spike Recovery outside accepted recovery limits		

244

e: *02-Oct-06*

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609082
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R6736	SampType: MBLK	TestCode: HARD130.2	Units: mg/L		Prep Date:			RunNo: 6736				
Client ID: ZZZZZ	Batch ID: R6736	Method: EPA 130.2			Analysis Date: 9/27/2006			SeqNo: 180643				
Instrument:	ColumnID:											
Analyte	Result	PQL	SPK value	SPK Ref Val	%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				

245 te: *02-Oct-06*

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 130.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R6789	SampType: MBLK	TestCode: HARD130.2	Units: mg/L	Prep Date:	RunNo: 6789
Client ID: ZZZZZ	Batch ID: R6789	Method: EPA 130.2		Analysis Date: 9/29/2006	SeqNo: 182609
Instrument:	ColumnID:				

Analyte	Result	PQL	SPK value	SPK Ref Val	%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				

246 te: *02-Oct-06*

Total Alkalinity Data

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: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005BDUP	SampType: DUP	TestCode: ALK310.1	Units: mg/L	Prep Date:		RunNo: 6697	
Client ID: 9-R	Batch ID: R6697	Method: EPA 310.1		Analysis Date: 9/20/2006		SeqNo: 179196	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (As CaCO3)	100	10						100	0	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				

te: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609082-008BDUP	SampType: DUP	TestCode: ALK310.1	Units: mg/L	Prep Date:			RunNo: 6697					
Client ID: ZZZZZ	Batch ID: R6697	Method: EPA 310.1		Analysis Date: 9/20/2006			SeqNo: 179211					
Instrument:	ColumnID:											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Alkalinity, Total (As CaCO3)	82	10						82	0	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				

e: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-R6697	SampType: LCS	TestCode: ALK310.1	Units: mg/L	Prep Date:				RunNo: 6697				
Client ID: ZZZZZ	Batch ID: R6697	Method: EPA 310.1		Analysis Date: 9/20/2006				SeqNo: 179190				
Instrument:	ColumnID:											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Alkalinity, Total (As CaCO3)	52	10	50	0	104	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				

250 e: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 310.1
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-R6697	SampType: MBLK	TestCode: ALK310.1	Units: mg/L	Prep Date:		RunNo: 6697	
Client ID: ZZZZZ	Batch ID: R6697	Method: EPA 310.1		Analysis Date: 9/20/2006		SeqNo: 179189	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Alkalinity, Total (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				

te: *02-Oct-06*

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Total Kjeldahl Nitrogen Data

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: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005ADUP	SampType: DUP	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006	RunNo: 6730		
Client ID: 9-R	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/25/2006	SeqNo: 180605		
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	5.2	0.40						5.242	1.42	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: *02-Oct-06*

253

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005ADUP	SampType: DUP	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006	RunNo: 6738		
Client ID: 9-R	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/26/2006	SeqNo: 180513		
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	4.8	0.80						4.855	0.58	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				

254 te: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005AMS	SampType: MS	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006	RunNo: 6730		
Client ID: 9-R	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/25/2006	SeqNo: 180608		
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	7.3	0.40	2	5.242	101	69	140				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: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005AMSD	SampType: MSD	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006	RunNo: 6730								
Client ID: 9-R	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/25/2006	SeqNo: 180609								
Instrument:	ColumnID:												
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		
Kjeldahl Nitrogen - Total (as N)	7.4	0.40	2	5.242	107	69	140	7.257	1.67	11	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				

256 e: *02-Oct-06*

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005AMS	SampType: MS	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006	RunNo: 6738				
Client ID: 9-R	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/26/2006	SeqNo: 180514				
Instrument:	ColumnID:								

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	7.00	0.800	2	4.855	107	69	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				

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e: *02-Oct-06*

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: 0609069-005AMSD	SampType: MSD	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/26/2006	RunNo: 6738				
Client ID: 9-R	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/26/2006	SeqNo: 180515				
Instrument:	ColumnID:								

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	7.12	0.800	2	4.855	113	69	140	6.995	1.83	11	

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				

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e: *02-Oct-06*

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: LCS-3888	SampType: LCS	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006	RunNo: 6730
Client ID: ZZZZZ	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/25/2006	SeqNo: 180599
Instrument:	ColumnID:				

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	2.1	0.40	2	0	103	79	116				

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				

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ANALYTICAL QC SUMMARY REPORT

Method: EPA 351.2
Work Order: 0609069
Project: Ramapo

CLIENT: Sterling Environmental Engineering, P.C.

Sample ID: MB-3888	SampType: MBLK	TestCode: TKN351.2	Units: mg/L	Prep Date: 9/25/2006		RunNo: 6730	
Client ID: ZZZZZ	Batch ID: 3888	Method: EPA 351.2	(E351.2)	Analysis Date: 9/25/2006		SeqNo: 180598	
Instrument:	ColumnID:						

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Kjeldahl Nitrogen - Total (as N)	ND	0.40									

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				

260 : *28-Sep-06*

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, P.C.

Project: RAMAPO (STERLING FILE NO. 20010)

Sampled by: PAUL STUDDER / LIZ DAVIS

Client Contact: LIZ DAVIS Phone # (518) 458-4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN (351.3)	COD (410.1)	A/K ANTIMONY (3101)	HARDNESS (130.1)	VOLATILES (SEE BELOW) **	TAL METALS * (CNYSDEC ASP)		Comments
SVWC-93	9-12-06	1135	GW	grab	6	✓	✓	✓	✓	✓	✓		
SVWC-94		1045											
SVWC-95		1120											
SVWC-96		1100											
9-R		1230											
DUP 906		1230											
9-R MS		1230											
9-R MSD		1230											
9-I		1300											
9-05		1320											
PW-1		1320											
PW-2		1400											

Relinquished by: Liz Davis	Date: 9/12/06	Time: 18:10	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Lab: Date: 9-13-06 Time: 8:40
Shipment Method: FEDERAL EXPRESS OVERNIGHT			Airbill Number:

Turnaround Time Required:
Routine ✓
Rush (Specify)

Temperature: 2.2°C

Comments: * ANTIMONY BY METHOD 200.8 TO ACHIEVE LOWER DETECTION LIMIT

** SITE RELATED VOLATILES:
1,1 Dichloroethane (601), Vinyl Chloride (601)
Benzene (602), Chlorobenzene (602)

263

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, P.C.
Project: RAMAPO (STERLING FILE No. 20010)
Sampled by: PAUL SHUDDER / LIZ DAVIS
Client Contact: LIZ DAVIS Phone # (518) 456-4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TKN (351.3)	COD (410.1)	ALKALINITY (310.1)	HARDNESS (130.1)	VOLATILES (See below) **	TAL METALS (NYSDEC ASP) *		Comments
B-R	9-12-06	1630	GW	grab	6	✓	✓	✓	✓	✓	✓		
7-05	↓	1700	↓	↓	↓	✓	✓	✓	✓	✓	✓		
TRIP BLANK										✓			

Relinquished by: Liz Davis	Date: 9/12/06	Time: 18:10	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Lab:
Shipment Method: Federal Express Overnight			Airbill Number:

Date: | Time:
Date: | Time:
Date: 9-13-06 | Time: 8:40

Turnaround Time Required:
Routine ✓
Rush (Specify)
Temperature: 2.2°C

Comments: * ANTIMONY BY METHOD 200.8 TO ACHIEVE LOWER DETECTION LIMIT
** SITE RELATED VOLATILES:
1,1 Dichloroethane (601), Vinyl Chloride (601)
Benzene (602), Chlorobenzene (602)

264

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: RGE&A NUCLEAR POWER P

Date and Time Received: 9/13/2006

Work Order Number 0609070

Received by: ac

Checklist completed by: a 9-13-06 (Initials / Date)

Reviewed by: DAM 9.13.06 (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:

Corrective Action::

Client/Project Sterling/Ramapo 0609069

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0609069-001-012	A		JC	9-14-06 12:20	COD	9-14-06 14:30
0609069-001→014	D		JK	9/14/06 13:05	8260	NR
0609069-001→012	C		ABM	9/15/06 14:00	ICAP digest	9/15/06 16:00
0609069-001→012	C		ABM	9/19/06 9:30	Hg digest	9/19/06 14:00
0609069-001-012	B		JK/WMC	9-19-06 10:00	ALK	9/19/06 16:30
" "	B		JK/WMC	9-20-06 8:45	ALK	9/20/06 16:30
0609069-001-012	A		JK	9/25/06 10:05	TKN	9/25/06 16:30
0609069-001-012	C		WMC	9-26-06 10:10	HARDNESS	9-26-06 18:00
0609069-005	C		WMC	9-27-06 12:45	HARD	9-27-06 13:15
0609069-005	C		WMC	9-29-06 10:50	HARD	9-29-06 14:00

ALIGN OPEN END OF FEDEX AIRBILL POUCH HERE

267

FedEx PRIORITY OVERNIG

emp# 47797J 12SEP06

TRK# 8581 1778 0609 FORM 0215

13057 -NY -US SYI EK SYR

50

52

FedEx. US Airbill Express

FedEx Tracking Number 8581 1778 0609

1 From This portion can be removed for recipient's records.

Date 9/12/06 FedEx Tracking Number 858117780609

Sender's Name Phone 315 437-0200

Company LIFE SCIENCE LABORATORIES INC

Address 5600 BRITTONFIELD PKWY STE 200 Dept./Floor/Suite/Room

City EAST SYRACUSE State NY ZIP 13057-9211

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

2 Your Internal Billing Reference

3 To

Recipient's Name Tom Alexander Phone 315 437-0200

Company Life Science Laboratories - Brittonfield

Recipient's Address 5000 Brittonfield Parkway

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 East Syracuse State NY ZIP 13057

0837973660

8581 1778 0609

4a Express

FedEx Pr Next busine shipments w unless SAT

FedEx 2 Second bu shipments unless SA FedEx

4b Expr

FedEx Next bu shipmen unless S

* Call for Confi

5 Pac

Fedf Envi

6 Sp

SA Not Fed Fec Se

No

As per attached Shipper's Declaration.

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

Total Packages Total Weight 65 Total Charges

Credit Card Auth.

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

8 NEW 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 Anyone at recipient's address may sign for delivery. *Fee applies.*

Indirect Signature If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. *Fee applies.*

519

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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, P.C.

Project: RAMAPO (STERLING FILE No. 20010)

Sampled by: PAUL SKUDDER / LIZ DAVIS

Client Contact: LIZ DAVIS Phone # (518) 456 4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	TKN (351.3)	COD (410.1)	ANTIMONY (200.8)*	HARDNESS (130.1)	VOLATILES **(see below)	TAL METALS (NYSDEC ASP)*		Comments
1-OS	9-13-06	0930	GW	grab	6	✓	✓	✓	✓	✓	✓		
2-OS	↓	0940	↓	↓	↓	↓	↓	↓	↓	↓	↓		
3-OS		0825											
4-OS	↓	1035	↓	↓	↓	↓	↓	↓	↓	↓	↓		

Relinquished by: [signature]	Date: 9-13-06	Time: 1315	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Lab: [signature]
Shipment Method: FEDERAL EXPRESS OVERNIGHT			Airbill Number:

Date: | Time:
Date: | Time:
Date: 9-14-06 | Time: 840

Turnaround Time Required:
Routine ✓
Rush (Specify)

Temperature: 6 with ice #81

Comments: *ANTIMONY BY METHOD 200.8 TO ACHIEVE LOWER DETECTION LIMIT

** SITE RELATED VOLATILES:
1,1 Dichloroethane (601)
Benzene (602)
Vinyl Chloride (601)
Chlorobenzene (602)

268

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, P.C.

Project: RAMAPO (STERLING FILE # 20010)

Sampled by: PAUL SKUDDER / LIZ DAVIS

Client Contact: LIZ DAVIS Phone # (518) 456 4900

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	TKN (351.3)	COD (410.1)	ANTIMONY (310.1)	HARDNESS (130.1)	VOLATILES ** (See below)	TAL METALS (INSDEC ASP) *		Comments
B-05	9-13-06	1155	GW	grab	6	✓	✓	✓	✓	✓	✓		
B-I	↓	1200	↓	↓	↓	↓	↓	↓	↓	↓	↓		
5-05	↓	1430	↓	↓	↓	↓	↓	↓	↓	↓	↓		
TRIP BLANK										✓			

Relinquished by: Paul A. Skudder	Date: 9-13-06	Time: 1600	Received by:
Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by Lab: Date: 9-14-06 Time: 8:40
Shipment Method: FEDERAL EXPRESS OVERNIGHT			Airbill Number:

Turnaround Time Required:
Routine ✓
Rush (Specify)

Temperature: 6°C with ice

Comments:
* ANTIMONY BY METHOD 200.8 TO ACHIEVE LOWER DETECTION LIMIT
** SITE RELATED VOLATILES:
1,1 Dichloroethane (601), Vinyl Chloride (601)
Benzene (602), Chlorobenzene (602)

269

Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: STERLING

Date and Time Received: 9/14/2006 8:40:00 AM

Work Order Number 0609082

Received by: ac

Checklist completed by: MLP Initials 9/14/2006 Date

Reviewed by: DAD Initials 9.14.06 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:

Corrective Action::

Client/Project Sterling / Ramapo 0609082

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0609082-001→003, -005→008	C		ABM	9-15-06 14:00	ICAP digest	9-15-06 16:00
0609082-001→009	A/D		JK	9/15/06 14:20	8260	NR
0609082-001→003, -005-008	C		ABM	9/19/06 9:30	Hg digest	9/19/06 14:00
0609082-001-003, 005-008	B		JC/WMC	9-19-06 10:00	ALK 310.1	9-19-06 16:30
0609082-001-005, 006-008	A		DR	9-19-06 10:05	COD	9-19-06 17:00
0609082-001-003, 005-008	B		JC/WMC	9/20/06 8:45	ALK	9/20/06 16:30
0609082-001-003, 005-008	A		JC	9/25/06 10:05	TKN	9/25/06 16:30
0609082-001-003, 006-008	C		WMC	9-26-06 10:10	Hardness	9-26-06 18:00
0609082-007C, 008R	C		WMC	9-27-06 8:45	Hardness	9-27-06 10:15
0609082-006C	C		WMC	9-27-06 9:00	Hards	9-27-06 10:15
0609082-007C	C		WMC	9-27-06 10:30	Hard	9-27-06 11:00

Part # 156297-435 RIT 04/06

FedEx PRIORITY OVERNIGHT THU

emp# 107425 13SEP06

TRK# 8581 1778 0594 FORM 0201

Deliver By: 14SEP06 A1

13057 -NY -US SYR

EK SYRA

FedEx Express US Airbill

FedEx Tracking Number 8581 1778 0594

1 From This portion can be removed for recipient's records.

Date 9/11/06 FedEx Tracking Number 858117780594

Sender's Name Phone 315 437-0200

Company LIFE SCIENCE LABORATORIES INC

Address 5005 BRITTONFIELD PKWY STE 200

Dept./Floor/Suite/Room

City EAST SYRACUSE State NY ZIP 13057-7231

2 Your Internal Billing Reference

3 To

Recipient's Name Tom Alexander Phone 315 437-0200

Company Life Science Laboratories - Brittonfield

Recipient's Address 5000 Brittonfield Parkway

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 East Syracuse State NY ZIP 13057

0337973668

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

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. * 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
- [X] 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.

- [X] 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. Express Rate Acct. No.

- [X] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Total Packages 1 Total Weight 5C Total Charges Credit Card Auth.

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

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

- [ ] No Signature Required — Package may be left without obtaining a
- [ ] Direct Signature — Anyone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.

519

fedex.com 1.800.GoFedEx 1.800.463.3339

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Part # 156297-435 RIT 04/06

FedEx PRIORITY OVERNIGHT THU

emp# 107425 13SEP06

TRK# 8581 1778 0610 FORM 0201

Deliver By: 14SEP06 A1

13057 -NY -US SYR

EK SYRA

FedEx Express US Airbill

FedEx Tracking Number 8581 1778 0610

1 From This portion can be removed for recipient's records.

Date 9/13/06 FedEx Tracking Number 858117780610

Sender's Name Phone 315 437-0200

Company LIFE SCIENCE LABORATORIES INC

Address 5000 BRITTONFIELD PKWY STE 200

Dept./Floor/Suite/Room

City EAST SYRACUSE State NY ZIP 13057-9231

2 Your Internal Billing Reference

3 To

Recipient's Name Tom Alexander Phone 315 437-0200

Company Life Science Laboratories - Brittonfield

Recipient's Address 5000 Brittonfield Parkway

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 East Syracuse State NY ZIP 13057

0337973666

8581 1778 0610

RECIPIENT: PEEL HERE

fedex.com 1.800.GoFedEx 1.800.463.3339

4a Express Package Service

- [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. * 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
- [X] 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.

- [X] 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 1 Total Weight 2.7 Total Charges

Credit Card Auth.

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

8 NEW 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 — Anyone at recipient's address may sign for delivery. Fee applies.
- [ ] Indirect Signature — If no one is available at recipient's address, anyone at a neighboring address may sign for delivery. Fee applies.

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Internal Chain of Custody

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 3835 Date Digested : 9-15-06

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
Sterling/Ramapo	0609069-001C→012C	0609069-001C→012C	C. Train	9-21-06	9:00	16:30
	0609082-001C→003C	0609082-001C→003C, 005C→008C	↓	↓	↓	↓
	↓ -005C→008C					