

ANALYTICAL REPORT

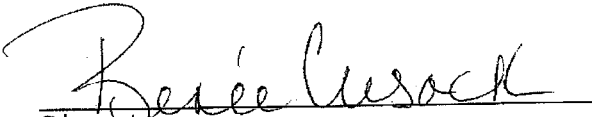
JOB NUMBER: 247954

Prepared For:

Edward Moran
237 Route 59
Suffern, NY 10901

Attention: Town of Ramapo

Date: 05/18/2005


Signature

Name: Richard E. Bayer

Title: Project Manager

E-Mail: rickbayer@stl-inc.com

5/18/05
Date

315 Fullerton Avenue
Newburgh, NY 12550

PHONE: (845) 562-0890
FAX...: (845) 562-0841

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SEVERN
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NYSDOH 10142

NJDEP 73015

CTDOHS PH-0554

EPA NY049

PA 68-378

M-NY049

STL Newburgh
315 Fullerton Avenue
Newburgh, NY 12550
Tel (845) 562-0890
Fax (845) 562-0841

SAMPLE INFORMATION
Date: 05/18/2005

Job Number.: 247954
Customer...:
Attn.....: Town of Ramapo

Project Number.....: 99999903
Customer Project ID....: TOWN OF RAMAPO
Project Description....: Walkin Project for Rick Bayer

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
247954-1	PW-1	Water	05/05/2005	12:30	05/09/2005	10:25
247954-2	SVWC-94	Water	05/05/2005	11:15	05/09/2005	10:25
247954-3	SVWC-96	Water	05/05/2005	11:28	05/09/2005	10:25
247954-4	SVWC-95	Water	05/05/2005	11:20	05/09/2005	10:25
247954-5	PW-2	Water	05/05/2005	11:48	05/09/2005	10:25
247954-6	SVWC-93	Water	05/05/2005	11:35	05/09/2005	10:25

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Job Number: 247954

LABORATORY TEST RESULTS

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Customer Sample ID: PW-1
Date Sampled.....: 05/05/2005
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 247954-1
Date Received.....: 05/09/2005
Time Received.....: 10:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.8	Metals Analysis (ICP-MS) Antimony (Sb)	0.40	U		0.40	ug/L	05/17/05	mad

* In Description = Dry Wgt.

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Job Number: 247954

LABORATORY TEST RESULTS

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Customer Sample ID: SVWC-94
Date Sampled.....: 05/05/2005
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 247954-2
Date Received.....: 05/09/2005
Time Received.....: 10:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.8	Metals Analysis (ICP-MS) Antimony (Sb)	0.40	U		0.40	ug/L	05/17/05	mad

* In Description = Dry Wgt.

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Job Number: 247954

LABORATORY TEST RESULTS

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Customer Sample ID: SVWC-96
Date Sampled.....: 05/05/2005
Time Sampled.....: 11:28
Sample Matrix.....: Water

Laboratory Sample ID: 247954-3
Date Received.....: 05/09/2005
Time Received.....: 10:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.8	Metals Analysis (ICP-MS) Antimony (Sb)	0.40		U	0.40	ug/L	05/17/05	mad

* In Description = Dry Wgt.

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Job Number: 247954

LABORATORY TEST RESULTS

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Customer Sample ID: SVWC-95
Date Sampled.....: 05/05/2005
Time Sampled.....: 11:20
Sample Matrix.....: Water

Laboratory Sample ID: 247954-4
Date Received.....: 05/09/2005
Time Received.....: 10:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.8	Metals Analysis (ICP-MS) Antimony (Sb)	0.40	U		0.40	ug/L	05/17/05	mad

* In Description = Dry Wgt.

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Job Number: 247954

LABORATORY TEST RESULTS

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Customer Sample ID: PW-2
Date Sampled.....: 05/05/2005
Time Sampled.....: 11:48
Sample Matrix.....: Water

Laboratory Sample ID: 247954-5
Date Received.....: 05/09/2005
Time Received.....: 10:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.8	Metals Analysis (ICP-MS) Antimony (Sb)	0.40	U		0.40	ug/L	05/17/05	mad

* In Description = Dry Wgt.

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Job Number: 247954

LABORATORY TEST RESULTS

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Customer Sample ID: SVWC-93
Date Sampled.....: 05/05/2005
Time Sampled.....: 11:35
Sample Matrix.....: Water

Laboratory Sample ID: 247954-6
Date Received.....: 05/09/2005
Time Received.....: 10:25

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 200.8	Metals Analysis (ICP-MS) Antimony (Sb)	0.40		U	0.40	ug/L	05/17/05	mad

* In Description = Dry Wgt.

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 05/18/2005

The test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements will be noted in a case narrative.
Report Comments

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Soil, sediment and sludge sample results are reported on a "dry weight" basis.
- 3) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.

Glossary of flags and qualifiers.

Inorganic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- 1 Result fails applicable drinking water standards.
- * Duplicate analysis not within control limits.
- N Spiked sample recovery not within control limits.
- E Indicates an estimated value because of the presence of interferences.
- W Post digestion spike for furnace AA analysis is out of the control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
- + Correlation coefficient for the MSA is less than 0.995
- B The reported value is less than the Contract Required Detection Limit (CRDL), but greater than the Instrument Detection Limit (IDL).

Organic Qualifiers (Q-Column)

- U Indicates that the compound was analyzed for but not detected.
- J Indicates an estimated value. This compound meets the identification criteria, but the result is less than the specified detection limit.
- B Indicates that the analyte was found in both the sample and its associated laboratory blank.
- D Indicates all compounds identified in an analysis at a secondary dilution factor.
- E Indicates that the analyte in an analysis has exceeded the linear calibration range.
- RE Indicates a re-analyzed sample

Glossary of Terms

Surrogates (Surrogate Standards) - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For semi-volatiles, volatiles and pesticides/Aroclors, surrogate compounds are added to every blank, sample, matrix sample, matrix spike, matrix sample duplicate, matrix spike blank, and standard. These are used to evaluate analytical efficiency by measuring recovery. Poor surrogate recovery may indicate a problem with the sample composition.

Matrix Spike - an aliquot of a sample (water or soil) fortified (spiked) with known quantities of specific compounds (target analytes) and subjected to the entire analytical procedure in order to indicate the appropriateness of the method for the matrix by measuring recovery. The spiking occurs prior to sample preparation and analysis. Poor spike recovery may indicate a problem with the sample composition.

Internal Standards - an organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process. For GC/MS semi-volatiles and volatiles, internal standards are added to every blank, sample, matrix spike, matrix spike duplicate, matrix spike blank, and standard. Internal standard responses outside of established limits will adversely affect the quantitation and final concentration of target compounds.

Job Number: 247954

LABORATORY CHRONICLE

Date: 05/18/2005

CUSTOMER:

PROJECT: TOWN OF RAMAPO

ATTN: Town of Ramapo

Lab ID: 247954-1	Client ID: PW-1	Date Recvd: 05/09/2005	Sample Date: 05/05/2005	
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.8	Metals Analysis (ICP-MS)	1 90879	05/17/2005 1258	
Lab ID: 247954-2	Client ID: SVWC-94	Date Recvd: 05/09/2005	Sample Date: 05/05/2005	
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.8	Metals Analysis (ICP-MS)	1 90879	05/17/2005 1259	
Lab ID: 247954-3	Client ID: SVWC-96	Date Recvd: 05/09/2005	Sample Date: 05/05/2005	
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.8	Metals Analysis (ICP-MS)	1 90879	05/17/2005 1301	
Lab ID: 247954-4	Client ID: SVWC-95	Date Recvd: 05/09/2005	Sample Date: 05/05/2005	
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.8	Metals Analysis (ICP-MS)	1 90879	05/17/2005 1303	
Lab ID: 247954-5	Client ID: PW-2	Date Recvd: 05/09/2005	Sample Date: 05/05/2005	
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.8	Metals Analysis (ICP-MS)	1 90879	05/17/2005 1305	
Lab ID: 247954-6	Client ID: SVWC-93	Date Recvd: 05/09/2005	Sample Date: 05/05/2005	
METHOD	DESCRIPTION	RUN# BATCH# PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
EPA 200.8	Metals Analysis (ICP-MS)	1 90879	05/17/2005 1307	

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CUSTOMER NAME	TOWN OF RAMAPO
ADDRESS	237 ROUTE 59
CITY, STATE, ZIP	SUFFERN, NY 10901
NAME OF CONTACT	EDWARDS MORAN
PHONE NO.	845-357-0591
PROJECT LOCATION	RAMAPO LANDFILL MONITORING WELLS
PROJECT NUMBER / PO NO.	

REPORT TYPE STANDARD ☐ ISRA ☐ NJ REG ☐ NYASP A ☐ B ☐ CLP ☐ OTHER _____	TURNAROUND ☒ NORMAL _____ ☐ QUICK _____ ☐ VERBAL _____
--	---

REPORT # (Lab Use Only) 24795 Y	NY PUBLIC WATER SUPPLIES SOURCE ID _____ ELRP TYPE _____ FEDERAL ID _____
--	--

SAMPLE TEMP _____ 15.40 _____ C SAMPLE REC'D ON ICE Y ☒ N _____ pH CHECK Y _____ N _____ CHLORINE (RESIDUAL) Y _____ N ☒ REVIEWED BY: <u>MM</u>	Matrix DW = DRINKING WATER S = SOIL O = OIL W = WASTE WATER SL = SLUDGE GW = GROUND WATER
--	---

Matrix
DW = DRINKING WATER S = SOIL O = OIL
WW = WASTE WATER SL = SLUDGE GW = GROUND WATER

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE $4^{\circ} \pm 2^{\circ}\text{C}$.

STL #	SAMPLING DATE TIME AM PM	COMP	MATRIX	CLIENT I.D.	Total Cd of Co. 40m ³	Liter A	250ml St.	Life Organism	250ml Nitr.	Sodium	Life Substr.	250ml St.	80%	Qc	250ml NaOH	ANALYSIS REQUESTED
	5/5 12:30 AM			PW-1					↓							Antimony
	5/5 11:15 AM			SVWC-94												"
	5/5 11:28 AM			SVWC-96												"
	5/5 11:30 AM			SVWC-95												"
	5/5 11:18 AM			PW-2												"
	5/5 11:35 AM			SVWC-93												"
																In process of setting up Accl. per P.B. 207

SAMPLES SUBMITTED FOR ANALYSIS WILL BE SUBJECTED TO THE STL TERMS AND CONDITIONS OF SALE (SHORT FORM) UNLESS ALTERNATE TERMS ARE AGREED IN WRITING.

RELINQUISHED BY <i>John</i>	COMPANY TOW ex RANPO	DATE 5/9/05	TIME 10:25	RECEIVED BY <i>John</i>	COMPANY 57L	DATE 5/9/05	TIME 10:35
SAMPLED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME

COMMENTS