NYSDEC Albany
Case #: SH304
SDG #: 1102
STL Lab. #: 242143
Matrix: Water & Sediment
1 of 1

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11/22/2004

NYS Dept. of Environmental Conservation
21 South Putt Corners Road
New Paltz, NY 12561

Attn: Steve Parisio

SUBJECT: Case Narrative, Taylor Lane Site,
Case No.: SH304, SDG No.: 1102
STL Job Number 242143.

Dear Steve Parisio:

Enclosed are the analytical results for the Taylor Lane Site project. The samples were received on 11/02/2004 and were prepared and analyzed according to EPA established methodologies and protocols. The reports were completed according to contract specific reporting requirements.

Your evaluation of the enclosed data should incorporate the use of the attached case narrative.

I certify that this package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release has been authorized by the Laboratory Director or her designee, as verified by the following signature.

STL NEWBURGH

Ronald A. Bayer
Laboratory Director

Leaders in Environmental Testing

Severn Trent Laboratories, Inc.

CASE NARRATIVE
Client: NYSDEC
Date: 11/19/04
Case No.: SH304
SDG No.: 1102
STL Lab No. 242143
Page 1 of 1

Inorganics

ICP

Matrix Spike

The percent spike recovery of manganese in spike sample number A893-02MS (242143-02MS) is outside of the established control limits. A post digestion spike was analyzed for manganese.

Sample Dilutions

The following sample was diluted at the indicated amount and reanalyzed due to the interference of iron on the undiluted sample at a concentration above the linear range of the instrument:

A893-08 (242143-08): 2x

Wet Chemistry

Matrix Spike/Duplicate

The matrix spike/duplicate for alkalinity, ammonia and chloride were not performed on a sample from laboratory number 242143.

Alkalinity

Matrix Spike

The percent spike recovery of alkalinity in spike sample number ZZZZZMS (242115-01MS) is outside of the established control limits.

Chloride

Sample Dilution

Due to the results of the initial titration the following samples were diluted for chloride at the indicated amount:

A893-03 (242143-02): 10x
A893-05 (242143-03): 5x
A893-07 (242143-07): 5x

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SAMPLE INFORMATION
Date: 11/22/2004

Job Number.: 242143
Customer...: NYS Dept. of Environmental Conservation
Attn.....: Steve Parisio

Project Number.....: 20000048
Customer Project ID....: TAYLORS LANE SITE
Project Description....: NYSDECA

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
242143-1	A893-01	Water	11/02/2004	11:15	11/02/2004	15:00
242143-2	A893-02	Sediment	11/02/2004	11:30	11/02/2004	15:00
242143-3	A893-03	Water	11/02/2004	11:50	11/02/2004	15:00
242143-4	A893-04	Sediment	11/02/2004	12:15	11/02/2004	15:00
242143-5	A893-05	Water	11/02/2004	12:20	11/02/2004	15:00
242143-6	A893-06	Sediment	11/02/2004	12:25	11/02/2004	15:00
242143-7	A893-07	Water	11/02/2004	12:30	11/02/2004	15:00
242143-8	A893-08	Sediment	11/02/2004	12:45	11/02/2004	15:00
242143-9	A893-09	Water	11/02/2004	13:00	11/02/2004	15:00
242143-10	A893-10	Sediment	11/02/2004	13:15	11/02/2004	15:00

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LABORATORY CHRONICLE

Job Number: 242143 Date: 11/22/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Lab ID: 242143-1 Client ID: A893-01 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SM18 2320B	Alkalinity	1	79900		11/05/2004 1444	
HACH 8000	Chemical Oxygen Demand (HACH)	1	79255		11/04/2004 0800	
SM18 4500Cl	Chloride	1	78855		11/03/2004 1341	
	Electronic Data Deliverable	1				
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	79901		11/03/2004 2200	
QA Services	Quality Assurance Services	1	79508		11/12/2004 0000	

Lab ID: 242143-2 Client ID: A893-02 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW846 3050B	Acid Digestion (ICP) Solids	1	78768		11/04/2004 1345	
SW846 6010B	Metals Analysis (ICAP)	1	79339	78768	11/05/2004 1341	
QA Services	Quality Assurance Services	1	79508			
EPA 160.3	Solids, Total	1	79044		11/04/2004 1500	

Lab ID: 242143-3 Client ID: A893-03 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SM18 2320B	Alkalinity	1	79900		11/05/2004 1452	
HACH 8000	Chemical Oxygen Demand (HACH)	1	79224		11/04/2004 1000	
SM18 4500Cl	Chloride	1	78855		11/03/2004 1344	
	Electronic Data Deliverable	1				
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	79901		11/03/2004 2200	
QA Services	Quality Assurance Services	1	79508			

Lab ID: 242143-4 Client ID: A893-04 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW846 3050B	Acid Digestion (ICP) Solids	1	78768		11/04/2004 1345	
SW846 6010B	Metals Analysis (ICAP)	1	79339	78768	11/05/2004 1401	
QA Services	Quality Assurance Services	1	79508			
EPA 160.3	Solids, Total	1	79044		11/04/2004 1500	

Lab ID: 242143-5 Client ID: A893-05 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SM18 2320B	Alkalinity	1	79900		11/05/2004 1500	
HACH 8000	Chemical Oxygen Demand (HACH)	1	79255		11/04/2004 0800	
SM18 4500Cl	Chloride	1	78855		11/03/2004 1347	
	Electronic Data Deliverable	1				
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	79901		11/03/2004 2200	
QA Services	Quality Assurance Services	1	79508			

Lab ID: 242143-6 Client ID: A893-06 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW846 3050B	Acid Digestion (ICP) Solids	1	78768		11/04/2004 1345	
SW846 6010B	Metals Analysis (ICAP)	1	79339	78768	11/05/2004 1405	
QA Services	Quality Assurance Services	1	79508			
EPA 160.3	Solids, Total	1	79044		11/04/2004 1500	

Lab ID: 242143-7 Client ID: A893-07 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SM18 2320B	Alkalinity	1	79900		11/05/2004 1508	
HACH 8000	Chemical Oxygen Demand (HACH)	1	79255		11/04/2004 0800	
SM18 4500Cl	Chloride	1	78855		11/03/2004 1350	
	Electronic Data Deliverable	1				
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	79901		11/03/2004 2200	
QA Services	Quality Assurance Services	1	79508			

Lab ID: 242143-8 Client ID: A893-08 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED	DILUTION
SW846 3050B	Acid Digestion (ICP) Solids	1	78768		11/04/2004 1345	

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L A B O R A T O R Y C H R O N I C L E

Job Number: 242143 Date: 11/22/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Lab ID: 242143-8 Client ID: A893-08 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 6010B	Metals Analysis (ICAP)	1	79339	78768	11/05/2004	1554	2
QA Services	Quality Assurance Services	1	79508				
EPA 160.3	Solids, Total	1	79044		11/04/2004	1500	

Lab ID: 242143-9 Client ID: A893-09 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SM18 2320B	Alkalinity	1	79900		11/05/2004	1516	
HACH 8000	Chemical Oxygen Demand (HACH)	1	79255		11/04/2004	0800	
SM18 4500Cl	Chloride	1	78855		11/03/2004	1354	
	Electronic Data Deliverable	1					
SM18 4500NH3E	Nitrogen, Ammonia (Distillation)	1	79901		11/03/2004	2200	
QA Services	Quality Assurance Services	1	79508				

Lab ID: 242143-10 Client ID: A893-10 Date Recvd: 11/02/2004 Sample Date: 11/02/2004

METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT #(S)	DATE/TIME ANALYZED		DILUTION
SW846 3050B	Acid Digestion (ICP) Solids	1	78768		11/04/2004	1345	
SW846 6010B	Metals Analysis (ICAP)	1	79339	78768	11/05/2004	1430	
QA Services	Quality Assurance Services	1	79508				
EPA 160.3	Solids, Total	1	79044		11/04/2004	1500	

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

		Analytical Requirements					
Customer Sample Code	Laboratory Sample Code	*VOA GC/MS Method #	*BNA GC/MS Method #	*VOA GC Method #	*PEST PCBs Method #	*Metals	*Other
A893-01	242143-01						2, 20, 16, 3
A893-02	242143-02					55	124
A893-03	242143-03						2, 20, 16, 3
A893-04	242143-04					55	124
A893-05	242143-05						2, 20, 16, 3
A893-06	242143-06					55	124
A893-07	242143-07						2, 20, 16, 3
A893-08	242143-08					55	124
A893-09	242143-09						2, 20, 16, 3
A893-10	242143-10					55	124

*See attached summary of methodology for method numbers.

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Analysis	Aqueous	Ground Water Liquid/Solid Matrices
1 % Solid	EPA 160.3(A)	EPA 160.3(A)
2 Alkalinity-Tit.	SM182320-B(Q)	
3 Ammonia	SM184500-NH3E(Q)	
4 Ammonia	SM184500-NH3F(Q)	
5 Ammonia	LAC107061A(U)	
6 Antimony	EPA 204.2(A,D)	
7 Antimony	SM183113B(Q)	
8 Arsenic	EPA 206.2(A,D)	
9 Arsenic		SW846-7060A(B,D)
10 Arsenic	SM183113B(Q)	
11 Beryllium	SM183113B(Q)	
12 BOD	SM185210-B(Q)	
13 Bromide	EPA 300(A)	
14 Cadmium	SM183113B(Q)	
15 CBOD	SM185210-B(Q)	
16 Chloride	SM184500-CL-B(Q)	
17 Chloride(DW)	SM174500-CL-B(N)	
18 Chloride-IC	EPA 300(A)	
19 COD (high)	EPA 410.4(A)	
20 COD (low)	HACH 8000(W)	
21 Color	SM18 2120-B(Q)	
22 Coliform, Total-MF	SM18 9222B(Q)	
23 Coliform, Total	SM18 9223-MPN(Q)	
24 Conductivity	SM182510-B(Q)	
25 Cyanide	SM184500-CNE(Q)	
26 Cyanide		SW846-9010B(B)
27 Cyanide	LAC204001A(R)	
28 Cyanide, Amenable	SM184500-CNG(Q)	SW846-9010B(B)
29 Dissolved Oxygen	SM184500-O-C(Q)	
30 DRO		EPA DRO Draft Rev.5 (Y)
31 Enterococcus	ENTEROLERT	
32 E.Coli	SM18 9223-MPN(Q)	
33 Eptox		SW846-1310A(B)
34 Ethylene glycol	NYSDEC 89-9(M)	
35 ETPH	(AA)	
36 F. Coli-MF	SM189222C(Q)	
37 F. Coli-MF	SM189222D(Q)	
38 F. Coli-MPN	SM189221C(Q)	
39 Ferrous Iron	SM183500-FED(Q)	

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40 Flashpoint		SW846-1010(B)
41 Fluoride, Total	EPA 340.2(A)	EPA 340.2(A)
42 Fluoride, Total	EPA 300(A)	
43 Grease & Oil	SM185520-B(Q)	
44 Grease & Oil	EPA 413.1 (A)	
45 Grease & Oil	EPA 1664(A)	
46 GRO		EPA GRO Draft Rev. 5(Y)
47 Hardness, Total	EPA 200.7(A)	
48 Hardness, Total	EPA 130.2(A)	
49 Heat of Combustion	D2015(X)	
50 Herbicides		SW846-8151A(B)
51 Herbicides	EPA 515.1(L)	
52 Heterotropic Plate Count	SM18 9215B(Q)	SM18 9215B(Q)
53 Hex Chrome		SW846-7196A(B)
54 Hex Chrome	SM183500-Cr-D(Q)	
55 ICP Metals		SW846-6010B(B)
56 ICP Metals	EPA 200.7(A)	
57 Langlier Index	SM182330B(Q)	
58 Lead		SW846-7421(B,C)
59 Lead	EPA 239.2(A,D)	
60 Lead		SW846-7420(B,D)
61 Lead	SM183113B(Q)	
62 MBAS	SM185540-C(Q)	
63 Mercury		SW846-7470A(B)
64 Mercury		SW846-7471A(B)
65 Mercury	EPA 245.1(A)	
66 Mercury	EPA 245.2(A)	
67 Methanol	Modified 8015(B)	
68 Nitrate-AA	SM174500-NO3F(N)	
69 Nitrate-IC	EPA 300(A)	
70 Nitrate-Nitrite	SM184500-NO3F(Q)	
71 Nitrate-Nitrite	LAC107041A(T)	
72 Nitrite	EPA 354.1(A)	
73 Nitrite	SM184500-NO2-B(Q)	
74 Odor	SM182150(Q7)	
75 Organochlorine PSTs		SW846-8081A(B)
76 Organochlorine PSTs	EPA 608(F)	
77 Paint Filter Test		SW846-9095A(B)
78 PCB's	EPA 508(H)	
79 Pesticides/PCB's		SW846-8082(B)
80 Pesticides/PCB's	95.3(Z)	95.3(Z)
81 Pesticides/PCB's	EPA 505(H)	
82 pH		SW846-9045C(B)

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83	pH	SM184500-H-B(Q)	
84	Phenols		SW846-9065(B)
85	Phenols	EPA 420.A(A)	
86	Phenols	LAC210001A(S)	
87	Phosphate, Ortho	SM184500-PE(Q)	
88	Phosphate, Total	EPA 365.3(A)	
89	Propylene glycol	Modified 8015(B)	
90	Reactivity		SW846-7.3.2(B)
91	Selenium		SW846-7740(B,D)
92	Selenium	EPA 270.2(A,D)	
93	Selenium	SM183113B(Q)	
94	Semi-Volatiles		SW846-8270C(B)
95	Semi-Volatiles	EPA 625(E)	
96	Semi-volatiles	95.2(Z)	95.2(Z)
97	Semi-Volatiles	EPA 525.1(H)	
98	Specific Gravity		D1298-83
99	Specific Conductance	SM182510B(Q)	
100	SS	EPA 160.5(A)	
101	Sulfate		EPA 375.4(A)
102	Sulfate	EPA 375.4(A)	
103	Sulfate	EPA 300(A)	
104	Sulfide		SM184500-S2E(Q)
105	Sulfide	SM184500-S2D(Q)	
106	Sulfite	SM184500-SO3B(Q)	
107	Sulfite		SM184500SO3B(Q)
108	TCLP		SW846-1311(B)
109	TDS	EPA 160.1(A)	
110	TDS	SM182540C(Q)	
111	Temperature	EPA 170.1(A)	
112	Thallium		SW846-7841(B,D)
113	Thallium	EPA 279.2(A,D)	
114	Thallium	EPA 200.9(A)	
115	Tin	EPA 282.2 (A)	
116	TOC	SM185310-B(Q)	
117	Total Kjeldahl Nitrogen	SM184500NH3-F(Q)	
118	Total Kjeldahl Nitrogen	LAC107062D(V)	
119	TOX		SW846-9020B(B)
120	TPH	EPA 418.1(A)	
121	TPH 310.13		LOAC 310.13(P)
122	TPH	EPA 1664 (A)	
123	TPH-Calif.	Calif. DHS 8015	Calif. DHS 8015
124	TS	EPA 160.3(A)	
125	TSS	EPA 160.2(A)	

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126 TVS	EPA 160.4(A)	
127 Turbidity	SM182130-B(Q) and EPA 180.1(A)	
128 Volatiles Organics		SW846-8260B(B)
129 Volatiles Organics	EPA 624(E)	
130 Volatiles Organics	EPA 524.2(H)	
131 Volatiles Organics	EPA 502.2(K)	
132 Volatiles Organics	EPA 504.1(H)	
133 Volatiles Organics		SW846-8021B(B)
134 Volatiles Organics	EPA 601(F)	
135 Volatiles Organics	EPA 602(F)	
136 Volatiles Organics	95.1(Z)	95.1(Z)
137 Volatiles Organics	95.4(Z)	95.4(Z)
138 Volatiles Organics	OLC02.1(AB)	
139 Volatiles Organics	OLM03.2(AC)	

References

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B. "Test Methods for Evaluating Solid Waste",USEPA-SW846, Third Edition, September 1986 with all current revisions.
C. Atomic Absorption - Direct Aspiration
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E. Federal Register, V. 50 No. 3, January 4, 1985.
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H. "Methods for the Determination of Organic Compounds in Drinking Water, EPA/600/4-88/039, December 1988.
I. The Anaylsis of Trihalomethanes in Finished Waters by the Purge and Trap Method, EMSL, Cincinnati, Ohio 45268, November 6, 1979.
J. Volatile Aromatic and Unsaturated Organic Compounds in Water by Purge and Trap Gas Chromatography, EMSL, Cincinnati, Ohio, 45268, Revision 2.0, (1989).
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P. " Analytical Handbook for the Laboratory of Organic Analytical Chemistry", Wadsworth Center for Laboratories and Research, New York State Department of Health, August, 1991.

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Q. "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

R. "Determination of Cyanide" (Macro Distillation Method in Waters), QUIK CHEM Method 10-204-00-1-A, Karin Wendt, Revised June 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218

S. "Determination of Total Recoverable Phenols by Flow Injection Analysis Colorimetry", QUIK CHEM Method 10-210-00-1-A, Ninglan Liao, Revised August 6, 1996, Lachat Instruments, Milwaukee, Wi. 53218.

T. "Determination of Nitrate/Nitrite in Surface and Wastewaters by Flow Injection Analysis", QUIK CHEM Method 10-107041A, Karin Wendt, Revised June 24, 1997, Zellweger Analytics, Milwaukee, Wi. 53218.

U. "Determination of Ammonia by Flow Injection Analysis Colorimetry", QUIK CHEM Method 10-107-06-1-A, Kevin Switala, Revised May 20 ,1997, Lachat Instruments, Milwaukee, Wi. 53218.

V. "Determination of Nitrogen, Total Kjeldahl by Flow Injection Analysis Colorimetry", QUIK CHEM Method 10-107-06-2-D, Kevin Switala, Revised October 7,1997, Lachat Instruments, Milwaukee, Wi. 53218.

W. HACH8000 1979 Handbook

X. NYS Department of Health, APC44, Revision 5/91.

Y. EPA Method for the Determination of Gasoline Range Organics, Draft, Rev. 5 , 2/5/92.

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AA. "Analysis of Extractable Total Petroleum Hydrocarbons (ETPH) Using Methylene Chloride Gas Chromatograph/Flame Ionization Detection", Environmental Research Institute, University of Connecticut, March 1999.

AB. USEPA CLP SOW for Organics Analysis Low Concentration Water

AC. USEPA CLP SOW for Organics Analysis Multi-Media, Multi-Concentration

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74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 In Water
☐ 33. Metals—23 In Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other NH_3, COD, Cl, Alkalinity
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	(845) 256 3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	11:15

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☑ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S H 3 0 4	1 1 1 0 2	A 8 9 3 0 1	☐ This sample	☑ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE 360021
WEINSTEIN RESIDENCE, BASEMENT SUMP

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

000007

Received: 11/19/04 5:40PM; 8452553414 -> STL; Page 2
NYSDEC Fax:8452553414 Nov 19 2004 17:41 P.02

74-15-1 (4/91)—9a

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Part 1

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13 PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCB's (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601-GC)
☐ 8. Aromatic Volatiles (USEPA 602-GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease
☐ 20. TOC
☐ 60. PCB's congener method
☐ 22. Other _____
☐ 59. PCB's at 0.065 ug/L
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23. (ALL)—Water—Includes 24-28
☐ 29. (ALL)— Soil/Sediments—Includes 30-34
☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
☐ 27. Metals—23 in Water
☐ 33. Metals—23 inSoil/Sediment
☐ 28. Cyanide—Water
☐ 34. Cyanide—Soils/Sediment
☐ 66. Dioxin-Water (ASP #89-4)
☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8240-GC/MS)
☐ 41. BNA—(USEPA 8270-GC/MS)
☐ 42. Pesticides/PCB's (USEPA 8080)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☐ 48. Other _____
☐ 63. Percent Solids
☑ 68. Metals—~~12 Hazardous~~ Fe, Mn, Al, As

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO:
STEVEN PARISIO	(845) 256 3153	3

CONTRACT LAB:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	11:30

SAMPLE MATRIX: ☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
54304	1102	A8B302	☐ This Sample	☐ Composite ☑ Grab ☐ Term ____ hrs

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Catagory B, unless checked ☐

SAMPLING POINT: TAYLOR LANE 360021 WEINSTEIN RESIDENCE, SHOP VAC USED TO CLEAN OUT SUMP

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

000008

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other NH_3 COD, Alkalinity, Cl
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	(845) 256 3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL. NEWBURGH	WESTCHESTER	11/2/04	11:50

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☐ Groundwater ☑ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SW 3014	IV.02	AT8930 3	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE SE 0021 MARROWITZ RESIDENCE, LEACHATE PONDED ON FRONT LAWN

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

Received: 11/19/04 5:41PM; 8452553414 -> STL; Page 4
NYSDEC Fax:8452553414 Nov 19 2004 17:42 P.04

74-15-1 (9/97)—q

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 In Water
☐ 33. Metals—23 In Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. ~~TCLP (Metals Only)~~
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☐ 48. Other _____
☐ 63 Percent Solids
☑ 68. Metals—~~17 Hazardous~~ Fe, Mn, Al, As

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	845 256 3153	03

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	12:15

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SH1304	1112	A8913014	☐ This sample	☐ Grab ☑ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE 360021 MARKOWITZ RESIDENCE IRON-STAINED SOIL IN AREAS OF LEACHATE PONDING, FRONT LAWN

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of Inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER: 000010

Received: 11/19/04 5:41PM; 8452553414 -> STL; Page 5
NYSDEC Fax:8452553414 Nov 19 2004 17:43 P.05

74-15-1 (4/91)—9a

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Part 1

CONTRACT LAB SAMPLE INFORMATION SHEET

Print legibly

CAUTION (check if applicable)

☐ Lab Personnel are expected to use caution when handling DEC samples, however, please use special precautions when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic material(s).

Place QA Label Here

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13 PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCB's (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 625-GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601-GC)
☐ 8. Aromatic Volatiles (USEPA 602-GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease
☐ 20. TOC
☐ 60. PCB's congener method
☐ 22. Other _____
☐ 59. PCB's at 0.065 ug/L
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23. (ALL)—Water—Includes 24-28
☐ 29. (ALL)— Soil/Sediments—Includes 30-34
☐ 24. Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #89-2)
☐ 30. B/N/A/—Soils/Sediment—GC/MS (ASP #89-2)
☐ 25. Volatile Organic Analysis VOA—Water—GC/MS(ASP #89-1)
☐ 31. VOA—Soils/Sediments—GC/MS (ASP #89-1)
☐ 26. Pesticides/PCB's—Water—GC(ASP #89-3)
☐ 32. Pesticides/PCB's—Soils/Sediment—GC (ASP #89-3)
☐ 27. Metals—23 In Water
☐ 33. Metals—23 inSoil/Sediment
☐ 28. Cyanide—Water
☐ 34. Cyanide—Soils/Sediment
☐ 66. Dioxin-Water (ASP #89-4)
☐ 67. Dioxin-Soil/Sediment (ASP #89-4)
☐ 35. Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8240-GC/MS)
☐ 41. BNA—(USEPA 8270-GC/MS)
☐ 42. Pesticides/PCB's (USEPA 8080)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other NH3, COD, Alkalinity, Cl
☐ 63. Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 49. RSGB-01 ☐ 50. RSSR-01 ☐ 51. RSGR-01 ☐ 52. RSRB-01 ☐ 53. RSRI-01 (EP Toxicity-Metals only + RSRR-01)
☐ 54. RSRO-01 ☐ 55. RSSB-01 ☐ 56. RSRR-01 ☐ 57. RSRR-02 ☐ 58. Other _____

COLLECTED BY: STEVEN PARISIO	TELEPHONE NUMBER: 845 256 3153	REGION NO: 3

CONTRACT LAB: STL NEWBURGH	COUNTY: WESTCHESTER	SAMPLING DATE: 11/2/04	MILITARY TIME: 12:20

SAMPLE MATRIX:
☐ Air ☐ Soil/Sediment ☐ Groundwater ☑ Surface Water ☐ Wastewater ☐ Other (Specify) _____

CASE NUMBER	SDG NUMBER	SAMPLE NUMBER	CHECK FOR MS/MD	TYPE OF SAMPLE:
SH304	1102	A8905	☐ This Sample	☑ Grab ☐ Composite ☐ Trap

☐ Check if there will be more samples with this SDG sent in this calendar week

Report via Category B, unless checked ☐

SAMPLING POINT: TAYLOR LANE SITE, 360021 STREAM DISCHARGING THROUGH CULVERT UNDER TAYLOR LANE INTO MAGID POND

Check if field duplicate ☐ | Outfall Number | Check if sampling is part of inspection ☐

SPDES NUMBER/REGISTRY NUMBER | FLOW GPD MGD

000011

Received: 11/19/04 5:42PM; 8452553414 -> STL; Page 6
NYSDEC Fax:8452553414 Nov 19 2004 17:43 P.06

74-15-1 (9/97)—q

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 In Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☐ 48. Other _____
☐ 63 Percent Solids
☑ 68. Metals—~~17 Hazardous~~ Fe, Mn, Al, As

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	(845) 256-3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	12:25

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S1H3014	111012	A8931 06	☐ This sample	☐ Grab ☑ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE 360021 IRON FLOC DEPOSITS IN STREAM FLOWING INTO MAGID POND FROM TAYLOR LANE CULVERT

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

000012

Received: 11/19/04 5:42PM; 8452553414 -> STL; Page 7
NYSDEC Fax:8452553414 Nov 19 2004 17:43 P.07

74-15-1 (9/97)—q

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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other NH3, COD, Alkalinity, Cl
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	845 256 3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	12:30

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☑ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SH1304	1/1/012	A8913017	☐ This sample	☑ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR'S LANE SITE 360021 GROUNDWATER DISCHARGING INTO CATCH BASIN ON TAYLOR'S LANE

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection 000013

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | | | |

Received: 11/19/04 5:43PM; 8452553414 -> STL; Page 8
NYSDEC Fax:8452553414 Nov 19 2004 17:44 P.08

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☐ 48. Other _____
☐ 63 Percent Solids
☑ 68. Metals—17 ~~Hazardous~~ Fe, Mn, Al, As

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	845 256 3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	12:45

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SH3014	111102	AS913018	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE 360021 IRON FLOC DEPOSIT IN PIPE DISCHARGING TO CATCH BASIN ON TAYLOR LANE

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD 000014

SPDES NUMBER/REGISTRY NUMBER

Received: 11/19/04 5:43PM; 8452553414 -> STL; Page 9
NYSDEC Fax:8452553414 Nov 19 2004 17:44 P.09

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other NH3, COD, Alkalinity, Cl
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	845 256 3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	13:00

SAMPLE MATRIX:

☐ Air ☐ Soil/Sediment ☑ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SIH131014	1/1/1012	A18191310	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE 360021 MONITORING WELL 25 (FLOWING WELL)

Report via Category B, unless checked ☐ 000015

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

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CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 624.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
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☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☐ 48. Other _____
☐ 63 Percent Solids
☑ 68. Metals—~~17 Hazardous~~ Fe, Mn, Al, As

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
STEVEN PARISIO	845 256 3153	3

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL NEWBURGH	WESTCHESTER	11/2/04	15:15

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SH1304	1 1 1 0 2	A8 9 3 1 0	☐ This sample	☐ Grab ☑ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TAYLOR LANE SITE 360021 IRON-STAINED (RED & GRAY) SOIL IN LEACHATE SEEP ZONE ALONG TAYLOR LANE

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

000016

Received: 11/19/04 5:44PM; 8452553414 -> STL; Page 11
NYSDEC Fax:8452553414 Nov 19 2004 17:45 P.11

SEVERN TRENT **STL**

STL Newburgh

CHAIN OF CUSTODY

315 Fullerton Avenue
Newburgh, NY 12550
TEL (845) 562-0890
FAX (845) 562-0841

CUSTOMER NAME: NY STATE DEPT OF ENVIRONMENTAL CONSERVATION
ADDRESS: 21 SOUTH PLATT CORNERS RD
CITY, STATE, ZIP: NEW PALTZ NY 12561
NAME OF CONTACT: STEVEN PARISKO
PHONE NO.: (845) 256 3153
PROJECT LOCATION: TAYLORS LANE SITE, V-MAMARONECK
PROJECT NUMBER / PO NO.:

REPORT TYPE
STANDARD ☐ ISRA ☐
NJ REG ☐
NYASP A ☐ B ☐ CLP ☐
OTHER ____

TURNAROUND
☐ NORMAL ____
☐ QUICK ____
☐ VERBAL ____

REPORT # (Lab Use Only)
242143
SAMPLE TEMP. 15.8 C
SAMPLE REC'D ON ICE Y ✓ N ____
pH CHECK Y ✓ N ____
CHLORINE (RESIDUAL) Y ____ N ____
REVIEWED BY: ____

NY PUBLIC WATER SUPPLIES
SOURCE ID ____
ELRP TYPE ____
FEDERAL ID ____

NOTE: SAMPLE TEMPERATURE UPON RECEIPT MUST BE 4° ± 2°C.

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

STL #	SAMPLING DATE	TIME AM PM	COMP	GRAB	MATRIX	CLIENT I.D.	Total Number of Containers	40ml Glass HCL	Liter Amber HCL	250ml Amber Sulfuric	Liter Amber Organic Washed	250ml Plastic ~~Nitric~~ H2SO4	250ml Plastic Sodium Hydroxide	Liter Plastic	Liter Plastic Sulfuric Acid	250ml Plastic	125ml Plastic Sterile	8 oz. Soil	2 oz. Qorpak	250ml Plastic NAOH / ZN ACC	ANALYSIS REQUESTED
1	11/2/04	11:15		✓	W	A893-01	3					1				2					COD, NH3, Alkalinity, Cl
2	↓	11:30		✓	S	A893-02	1										1				Fe, Mn, Al, As
3		11:50		✓	W	A893-03	3					1				2					COD, NH3, Alkalinity, Cl
4		12:15	✓		S	A893-04	1										1				Fe, Mn, As, Al
5		12:20		✓	W	A893-05	3					1				2					COD, NH3, Alkalinity, Cl
6		12:25	✓		S	A893-06	1										1				Fe, Mn, As, Al
7		12:30		✓	W	A893-07	3					1				2					COD, NH3, Alkalinity, Cl
8		12:45		✓	S	A893-08	1										1				Fe, Mn, As, Al
9		13:00		✓	W	A893-09	3					1				2					COD, NH3, Alkalinity, Cl
10	↓	13:15	✓		S	A893-10	1										1				Fe, Mn, As, Al

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: Steven Parisko	COMPANY	DATE 11/2/04	TIME 2:45	RECEIVED BY	COMPANY	DATE	TIME
SAMPLED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY SN	DATE 11/2/04	TIME 1500

COMMENTS: CONTRACT LAB INFO SHEETS WILL BE FAXED ON 11/3/04

DATA REPORTING QUALIFIERS

Data qualifiers are used in the analytical report for organics and inorganics. The qualifiers are equivalent to those used by the USEPA in its Contract Laboratory Program.

ORGANIC QUALIFIERS

U - Indicates that the compound was analyzed for but not detected. The sample detection limit is corrected for dilution and percent moisture. This detection limit is not necessarily the instrument detection limit.

J - Indicates an estimated value. This qualifier is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria and the result is less than the specified detection limit but greater than zero.

B - Indicates that the analyte was found in both the sample and its associated laboratory blank. It indicates possible/probable blank contamination and warns the data user to take appropriate action.

C - This qualifier applies to pesticide parameters where the identification has been confirmed by gas chromatography/mass spectrometry.

E - This qualifier indicates compounds whose concentrations exceed the calibration range of the instrument for the specific analysis.

D - Indicates all compounds identified in an analysis at a secondary dilution factor.

DL - This suffix indicates a diluted sample and is appended to the sample number on the result form.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentration between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with an "P".

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

RE - This suffix indicates a re-analyzed sample and is appended to the sample number on the result form.

STL Newburgh is a part of Severn Trent Laboratories, Inc.

SEVERN TRENT STL

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

DATA REPORTING QUALIFIERS

RR - This suffix indicates a re-extracted and re-analyzed sample and is appended to the sample number on the result form.

INORGANICS

Concentration Qualifiers (C)

U - Indicates that the analyte was analyzed for but not detected.

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

Quality Qualifiers (Q)

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

M - Duplicate injection precision not met.

N - Spiked sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

W - Post digestion spike for furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis not within control limits.

+ - Correlation coefficient for the MSA is less than 0.995.

Method Qualifiers (M)

P - for ICP.
A - for Flame AA.
F - for Furnace AA.
PM - for ICP when Microwave Digestion is used.
AM - for Flame AA when Microwave Digestion is used.
FM - for Furnace AA when Microwave Digestion is used.
CV - for Manual Cold Vapor AA.
AV - for Automated Cold Vapor AA.
AS - for Semi-Automated Spectrophotometric
C - for Manual Spectrophotometric
T - for Titrimetric.
NR - if the analyte is not required to be analyzed.

STL Newburgh is a part of Severn Trent Laboratories, Inc.

SEVERN TRENT STL

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

Inorganic Data
Sample Data

LABORATORY TEST RESULTS

Job Number: 242143

Date:11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation

PROJECT: TAYLORS LANE SITE

ATTN: Steve Parisio

Customer Sample ID: A893-02
Date Sampled.....: 11/02/2004
Time Sampled.....: 11:30
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-2
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	5540			56.2	690	1	mg/Kg		11/05/04	mad
	Arsenic (As)*	71.3			9.3	34.5	1	mg/Kg		11/05/04	mad
	Iron (Fe)*	222000			60.7	345	1	mg/Kg		11/05/04	mad
	Manganese (Mn)*	3260		N	3.8	34.5	1	mg/Kg		11/05/04	mad

000020

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 242143

Date:11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation

PROJECT: TAYLORS LANE SITE

ATTN: Steve Parisio

Customer Sample ID: A893-04
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:15
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-4
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	7900			6.3	77.3	1	mg/Kg		11/05/04	mad
	Arsenic (As)*	17.7			1.0	3.9	1	mg/Kg		11/05/04	mad
	Iron (Fe)*	51000			6.8	38.7	1	mg/Kg		11/05/04	mad
	Manganese (Mn)*	898		N	0.43	3.9	1	mg/Kg		11/05/04	mad

* In Description = Dry Wgt.

000021

LABORATORY TEST RESULTS

Job Number: 242143

Date:11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation

PROJECT: TAYLORS LANE SITE

ATTN: Steve Parisio

Customer Sample ID: A893-06
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:25
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-6
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	481	B		219	2690	1	mg/Kg		11/05/04	mad
	Arsenic (As)*	36.3	U		36.3	134	1	mg/Kg		11/05/04	mad
	Iron (Fe)*	227000			237	1340	1	mg/Kg		11/05/04	mad
	Manganese (Mn)*	537		N	14.8	134	1	mg/Kg		11/05/04	mad

000022

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 242143

Date:11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation

PROJECT: TAYLORS LANE SITE

ATTN: Steve Parisio

Customer Sample ID: A893-08
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:45
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-8
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	146	B		31.7	388	2	mg/Kg		11/05/04	mad
	Arsenic (As)*	76.8			5.2	19.4	2	mg/Kg		11/05/04	mad
	Iron (Fe)*	263000			34.2	194	2	mg/Kg		11/05/04	mad
	Manganese (Mn)*	1670		N	2.1	19.4	2	mg/Kg		11/05/04	mad

000023

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 242143

Date:11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation

PROJECT: TAYLORS LANE SITE

ATTN: Steve Parisio

Customer Sample ID: A893-10
Date Sampled.....: 11/02/2004
Time Sampled.....: 13:15
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-10
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	IDL	RL	DILUTION	UNITS	DT	DATE	TECH
SW846 6010B	Metals Analysis (ICAP)										
	Aluminum (Al)*	14300			9.5	116	1	mg/Kg		11/05/04	mad
	Arsenic (As)*	17.7			1.6	5.8	1	mg/Kg		11/05/04	mad
	Iron (Fe)*	55900			10.2	58.0	1	mg/Kg		11/05/04	mad
	Manganese (Mn)*	992		N	0.64	5.8	1	mg/Kg		11/05/04	mad

000024

* In Description = Dry Wgt.

LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-01
Date Sampled.....: 11/02/2004
Time Sampled.....: 11:15
Sample Matrix.....: Water

Laboratory Sample ID: 242143-1
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 2320B	Alkalinity, Total as CaCO3	272		N	5.00	mg/L	11/05/04	se
SM18 4500Cl	Chloride	110			5.0	mg/L	11/03/04	se
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	11/03/04	jpp
HACH 8000	Chemical Oxygen Demand (COD)	11.6			10.0	mg/L	11/04/04	bg

000025

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-02
Date Sampled.....: 11/02/2004
Time Sampled.....: 11:30
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-2
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	94.6			0.10	%	11/04/04	mwh
EPA 160.3	% Solids	5.4			0.10	%	11/04/04	mwh

000026

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-03
Date Sampled.....: 11/02/2004
Time Sampled.....: 11:50
Sample Matrix.....: Water

Laboratory Sample ID: 242143-3
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 2320B	Alkalinity, Total as CaCO3	360		N	5.00	mg/L	11/05/04	se
SM18 4500Cl	Chloride	150			50	mg/L	11/03/04	se
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	11/03/04	jpp
HACH 8000	Chemical Oxygen Demand (COD-High)	249			150	mg/L	11/04/04	bg

000027

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-04
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:15
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-4
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	53.8			0.10	%	11/04/04	mwh
EPA 160.3	% Solids	46.2			0.10	%	11/04/04	mwh

000028

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-05
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:20
Sample Matrix.....: Water

Laboratory Sample ID: 242143-5
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 2320B	Alkalinity, Total as CaCO3	265		N	5.00	mg/L	11/05/04	se
SM18 4500Cl	Chloride	170			25	mg/L	11/03/04	se
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	11/03/04	jpp
HACH 8000	Chemical Oxygen Demand (COD)	17.5			10.0	mg/L	11/04/04	bg

000029

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-06
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:25
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-6
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	98.4			0.10	%	11/04/04	mwh
EPA 160.3	% Solids	1.6			0.10	%	11/04/04	mwh

000030

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-07
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:30
Sample Matrix.....: Water

Laboratory Sample ID: 242143-7
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 2320B	Alkalinity, Total as CaCO3	291		N	5.00	mg/L	11/05/04	se
SM18 4500Cl	Chloride	210			25	mg/L	11/03/04	se
SM18 4500NH3E	Ammonia (NH3), as N	1.15			1.00	mg/L	11/03/04	jpp
HACH 8000	Chemical Oxygen Demand (COD)	109			10.0	mg/L	11/04/04	bg

000031

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Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-08
Date Sampled.....: 11/02/2004
Time Sampled.....: 12:45
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-8
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	79.8			0.10	%	11/04/04	mwh
EPA 160.3	% Solids	20.2			0.10	%	11/04/04	mwh

000032

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Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-09
Date Sampled.....: 11/02/2004
Time Sampled.....: 13:00
Sample Matrix.....: Water

Laboratory Sample ID: 242143-9
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
SM18 2320B	Alkalinity, Total as CaCO3	292		N	5.00	mg/L	11/05/04	se
SM18 4500Cl	Chloride	110			5.0	mg/L	11/03/04	se
SM18 4500NH3E	Ammonia (NH3), as N	1.00	U		1.00	mg/L	11/03/04	jpp
HACH 8000	Chemical Oxygen Demand (COD)	14.5			10.0	mg/L	11/04/04	bg

000033

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LABORATORY TEST RESULTS

Job Number: 242143

Date: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Customer Sample ID: A893-10
Date Sampled.....: 11/02/2004
Time Sampled.....: 13:15
Sample Matrix.....: Sediment

Laboratory Sample ID: 242143-10
Date Received.....: 11/02/2004
Time Received.....: 15:00

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	ANALYZED	TECH
EPA 160.3	% Moisture	65.5			0.10	%	11/04/04	mwh
EPA 160.3	% Solids	34.5			0.10	%	11/04/04	mwh

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* In Description = Dry Wgt.

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Inorganic Data

QC Data

U. S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M02ISBICV1

Continuing Calibration Source: M02ISBCCV1

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Arsenic	500.0	508.92	101.8	1000.0	1033.49	103.3	1060.96	106.1	P
Calcium									NR
Iron									NR
Magnesium									NR
Manganese									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M02ISBICV1

Continuing Calibration Source: M02ISBCCV1

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum									NR
Arsenic				1000.0	1091.96	109.2	1094.48	109.4	P
Calcium									NR
Iron									NR
Magnesium									NR
Manganese									NR

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

000036

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M04IRICV01

Continuing Calibration Source: M04IRCCV01

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum	5000.0	5157.72	103.2	10000.0	10090.55	100.9	10139.79	101.4	P
Arsenic									NR
Calcium	12500.0	12375.14	99.0	25000.0	24657.68	98.6	24926.98	99.7	P
Iron	2500.0	2672.57	106.9	5000.0	5126.93	102.5	5185.97	103.7	P
Magnesium	12500.0	13378.51	107.0	25000.0	26485.22	105.9	26568.44	106.3	P
Manganese	1250.0	1380.85	110.5	2500.0	2726.78	109.1	2737.99	109.5	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Initial Calibration Source: M04IRICV01

Continuing Calibration Source: M04IRCCV01

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				10000.0	10178.10	101.8	10070.40	100.7	P
Arsenic									NR
Calcium				25000.0	25088.84	100.4	24531.12	98.1	P
Iron				5000.0	5187.46	103.7	5136.86	102.7	P
Magnesium				25000.0	26833.21	107.3	26384.82	105.5	P
Manganese				2500.0	2769.49	110.8	2708.70	108.3	P

(1) Control Limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

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2B
CRDL STANDARD FOR AA AND ICP

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

AA CRDL Standard Source: _____

ICP CRDL Standard Source: M04ICRI001

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
Arsenic				20.0	21.07	105.4	21.91	109.6
Calcium								
Iron								
Magnesium								
Manganese				30.0	36.85	122.8	37.01	123.4

Control Limits: no limits have been established by EPA at this time

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3
BLANKS

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Preparation Blank Matrix (soil/water): soil

Preparation Blank Concentration Units (ug/L or mg/kg): mg/Kg

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	16.3	U	16.3	U	-18.2	B	16.3	U	3.3	U	P
Arsenic	2.7	U	2.7	U	2.7	U	3.4	B	0.5	U	P
Calcium	104.0	U	104.0	U	104.0	U	104.0	U			P
Iron	17.6	U	17.6	U	17.6	U	17.6	U	4.8	B	P
Magnesium	11.2	U	11.2	U	11.2	U	11.2	U			P
Manganese	1.1	U	1.1	U	1.1	U	1.1	U	0.2	U	P

000040

FORM III - IN ILM04.0

U. S. EPA - CLP

3
BLANKS

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Preparation Blank Matrix (soil/water): _____

Preparation Blank Concentration Units (ug/L or mg/kg): _____

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			16.3	U							P
Arsenic			2.7	U							P
Calcium			104.0	U							P
Iron			17.6	U							P
Magnesium			24.7	B							P
Manganese			1.1	U							P

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FORM III - IN ILM04.0

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

ICP ID Number: ICP1 ICS Source: M03ISA001/M03ISR001

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Aluminum	500000	500000	480686	465617.6	93.1	483556	476447.9	95.3
Arsenic	0	100	-11	80.7	80.7	-12	86.4	86.4
Calcium	500000	500000	494716	506568.3	101.3	502888	511601.6	102.3
Iron	200000	200000	169571	172236.4	86.1	170700	176571.2	88.3
Magnesium	500000	500000	470727	474498.9	94.9	475479	464981.4	93.0
Manganese	0	500	-1	495.9	99.2	-0	515.0	103.0

000042

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5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A893-02S

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Level (low/med): _____

% Solids for Sample: 5.37

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Arsenic	75-125	179.9870		71.3425		140.54	77.3		P
Calcium									NR
Iron									NR
Magnesium									NR
Manganese	75-125	3270.3773		3261.6599		1633.52	0.5	N	P

Comments:

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5B
POST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

A893-02

Lab Name: Severn Trent Laboratories Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Sedimen Level (low/med): _____

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese	50-150	3120.81		945.79		2000.0	108.8		P
Nickel									NR
Potassium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR

Comments:

000044

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DUPLICATES

EPA SAMPLE NO.

A893-02D

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): SOIL Level (low/med): _____

% Solids for Sample: 5.37 % Solids for Duplicate: 5.37

Concentration Units (ug/L or mg/Kg dry weight): mg/Kg

Analyte	Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		5541.4761		5623.5329		1.5		P
Arsenic	34	71.3425		71.0769		0.4		P
Calcium								NR
Iron		222071.9290		220980.9670		0.5		P
Magnesium								NR
Manganese		3261.6599		3255.4203		0.2		P

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FORM VI - IN ILM04.0

QUALITY CONTROL RESULTS

Job Number.: 242143 | Report Date.: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Test Method.....: SM18 2320B
Method Description.: Alkalinity
Parameter.....: Alkalinity, Total as CaCO3
Batch.....: 79900
Units.....: mg/L
Analyst...: se
Test Code.: ALK

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ICV		W03ALKSTD1	99.99			100		100.0	87-119		11/05/2004	1030
ICB			0.13								11/05/2004	1038
CCV		W03ALKSTD2	54.32			50		108.6	87-119		11/05/2004	1208
CCB			-0.18								11/05/2004	1216
CCV		W03ALKSTD2	54.48			50		109.0	87-119		11/05/2004	1346
CCB			0.14								11/05/2004	1355
LCS		W04ALKLCS2	35.51			34.2		103.8	80-114		11/05/2004	1403
MD	242115-1		122.23				122.91	0.6	8-8		11/05/2004	1419
MS	242115-1	W04ALKSPK1	160.19			25.0	122.91	149.1	60-139	N	11/05/2004	1427
CCV		W03ALKSTD2	54.58			50		109.2	87-119		11/05/2004	1525
CCB			-0.09								11/05/2004	1533
CCV		W03ALKSTD2	54.33			50		108.7	87-119		11/05/2004	1622
CCB			0.01								11/05/2004	1630

Test Method.....: SM18 4500NH3E
Method Description.: Nitrogen, Ammonia (Distillation)
Parameter.....: Ammonia (NH3), as N
Batch.....: 79901
Units.....: mg/L
Analyst...: jpp
Test Code.: NH3

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ICV		W04NH3ICV1	2.076			2.0		103.8	87-109		11/03/2004	2200
MB			0.000								11/03/2004	2200
MS	242132-2	W04NH3SPK1	9.575			10.0	0.000	95.8	84-123		11/03/2004	2200
MD	242132-2		0.000				0.000	0.0	20-20		11/03/2004	2200

Test Method.....: HACH 8000
Method Description.: Chemical Oxygen Demand (HACH)
Parameter.....: Chemical Oxygen Demand (COD)
Batch.....: 79224
Units.....: mg/L
Analyst...: bg
Test Code.: COD

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
LCS		W04CODLCSH	216			218		99.1			11/04/2004	1000
CCB			0								11/04/2004	1000
CCV		W04CODLCSH	216			218		99.1			11/04/2004	1000
MS	242192-1	W02CODSPKH	940				393	99.1			11/04/2004	1000
MD	242192-1		399				393	1.5	20-20		11/04/2004	1000
RS		W03CODRS01	151			150		100.7			11/04/2004	1000
MB			0								11/04/2004	1000

Test Method.....: HACH 8000
Method Description.: Chemical Oxygen Demand (HACH)
Parameter.....: Chemical Oxygen Demand (COD)
Batch.....: 79255
Units.....: mg/L
Analyst...: bg
Test Code.: COD

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MB			0								11/04/2004	0800
RS		W02CODSTD1	47.2			50		94.4	84-116		11/04/2004	0800
LCS		W04CODLCSL	107			109		98.2	86-115		11/04/2004	0800
CCV		W04CODLCSL	112			109		102.8			11/04/2004	0800
CCB			0								11/04/2004	0800

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QUALITY CONTROL RESULTS

Job Number.: 242143

Report Date.: 11/19/2004

CUSTOMER: NYS Dept. of Environmental Conservation PROJECT: TAYLORS LANE SITE ATTN: Steve Parisio

Test Method.....: HACH 8000
Method Description.: Chemical Oxygen Demand (HACH)
Parameter.....: Chemical Oxygen Demand (COD)

Batch.....: 79255
Units.....: mg/L

Analyst...: bg
Test Code.: COD

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MD	242143-9		14.5				14.5	0.0	10-10		11/04/2004	0800
MS	242143-9	W02CODSPKL	62.1			50	14.5	95.2	58-133		11/04/2004	0800

Test Method.....: SM18 4500Cl
Method Description.: Chloride
Parameter.....: Chloride

Batch.....: 78855
Units.....: mg/L

Analyst...: se
Test Code.: CHL

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MB			0.0000								11/03/2004	1325
ICV		W04CLICV01	50.7289			50.0		101.5	92-109		11/03/2004	1328
LCS		W04MINLCS2	78.4863			76.8		102.2	90-105		11/03/2004	1331
MD	242115-1		62.2148				63.1719	1.5	19-19		11/03/2004	1357
MS	242115-1	W04CLSPK01	85.1864			25.0	63.1719	88.1	74-126		11/03/2004	1400

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LABORATORY CONTROL SAMPLE

Lab Name: STL-Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Solid LCS Source: M04SO47UGL

Aqueous LCS Source: W04ALKLCS2

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/Kg) True	Found	C	Limits		%R
Aluminum				12200.0	7260.68		5900.0	18500.0	59.5
Arsenic				231.0	229.75		153.0	309.0	99.4
Calcium									
Iron				11800.0	9566.25		7840.0	15700.0	81.1
Magnesium									
Manganese				568.0	596.98		426.0	709.0	105.1

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ICP SERIAL DILUTIONS

EPA SAMPLE NO.

A893-02

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Matrix (soil/water): Sedime Level (low/med): _____

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	1606.88		1508.65		6.1		P
Arsenic	20.69		18.48	B	10.7		P
Calcium							NR
Iron	64394.76		65632.28		1.9		P
Magnesium							NR
Manganese	945.79		959.14		1.4		P

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PREPARATION LOG

Lab Name: STL NEWBURGH Contract:
Lab Code: 10142
Method : P SDG NO.: 242143

Sample No.	Preparation Date	Weight (gram)	Volume (ml)
MB	11/4/04	0.50	100.0
LCS	11/4/04	0.26	100.0
242143-02	11/4/04	0.54	100.0
242143-04	11/4/04	0.56	100.0
242143-06	11/4/04	0.48	100.0
242143-08	11/4/04	0.51	100.0
242143-10	11/4/04	0.50	100.0
143-02MD	11/4/04	0.55	100.0
143-02MS	11/4/04	0.57	100.0
143-02MS	11/4/04	0.53	100.0

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14
ANALYSIS RUN LOG

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Instrument ID Number: ICP1 Method: P

Start Date: 11/05/2004 End Date: 11/05/2004

EPA Sample No.	D/F	Time	% R	Analytes																					
				SC	AL	SB	AS	BA	BE	CD	CAH	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL
IS	1.00	1214																							
CAL	1.00	1215			X		X					X				X		X	X						
CAL	1.00	1218			X							X				X		X	X						
CAL	1.00	1221																							
CAL	1.00	1225																							
K	1.00	1228										X													
SB	1.00	1232																							
AS	1.00	1236																							
NA	1.00	1239										X													
3-3	1.00	1242																							
ICV	1.00	1246																							
ICV	1.00	1250					X																		
ICV	1.00	1255			X							X				X		X	X						
ICB	1.00	1259			X		X					X				X		X	X						
CRI	1.00	1302					X												X						
ICSA	1.00	1307			X							X				X		X							
ICSAB	1.00	1312			X		X					X				X		X	X						
CCV	1.00	1316																							
CCV	1.00	1321			X							X				X		X	X						
CCV	1.00	1324					X																		
CCB	1.00	1328			X		X					X				X		X	X						
MB	1.00	1332			X		X									X			X						
LCSS	1.00	1336			X		X									X			X						
A893-02	1.00	1341			X		X									X			X						
A893-02D	1.00	1345			X		X									X			X						
A893-02S	1.00	1349																	X						
A893-02S	1.00	1353					X																		
A893-02L	5.00	1357			X		X									X			X						
A893-04	1.00	1401			X		X									X			X						
A893-06	1.00	1405			X		X									X			X						

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ANALYSIS RUN LOG

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Instrument ID Number: ICP1 Method: P

Start Date: 11/05/2004 End Date: 11/05/2004

EPA Sample No.	D/F	Time	% R	Analytes																					
				SC	AL	SB	AS	BA	BE	CD	CAH	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL
A893-08	1.00	1409																							
CCV	1.00	1413																							
CCV	1.00	1418			X							X				X		X	X						
CCV	1.00	1422					X																		
CCB	1.00	1426			X		X					X				X		X	X						
A893-10	1.00	1430			X		X									X			X						
ZZZZZZ	1.00	1434																							
ZZZZZZ	1.00	1438																							
ZZZZZZ	1.00	1443																							
ZZZZZZ	1.00	1447																							
ZZZZZZ	1.00	1451																							
ZZZZZZ	1.00	1455																							
ZZZZZZ	1.00	1500																							
ZZZZZZ	1.00	1504																							
ZZZZZZ	1.00	1508																							
CCV	1.00	1512																							
CCV	1.00	1517			X							X				X		X	X						
CCV	1.00	1521					X																		
CCB	1.00	1525			X		X					X				X		X	X						
ZZZZZZ	1.00	1529																							
ZZZZZZ	1.00	1533																							
ZZZZZZ	1.00	1537																							
ZZZZZZ	1.00	1541																							
ZZZZZZ	1.00	1546																							
A893-02A	1.00	1550																	X						
A893-08	2.00	1554			X		X									X			X						
CRI	1.00	1558					X												X						
ICSA	1.00	1603			X							X				X		X							
ICSAB	1.00	1607			X		X					X				X		X	X						
CCV	1.00	1611																							

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14
ANALYSIS RUN LOG

Lab Name: STL Newburgh Contract: _____

Lab Code: 10142 Case No.: _____ SAS No.: _____ SDG No.: _____

Instrument ID Number: ICP1 Method: P

Start Date: 11/05/2004 End Date: 11/05/2004

EPA Sample No.	D/F	Time	% R	Analytes																					
				SC	AL	SB	AS	BA	BE	CD	CAH	CA	CR	CO	CU	FE	PB	MG	MN	NI	K	SE	AG	NA	TL
CCV	1.00	1616			X							X				X		X	X						
CCV	1.00	1620					X																		
CCB	1.00	1624			X		X					X				X		X	X						

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Inorganic Data

Instrument Parameters

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INSTRUMENT DETECTION LIMITS

Lab Name: STL NEWBURGH
Lab Code: 10142
ICP ID Number: ICP-1
Flame AA ID Number:
Furnace AA ID Number:

Contract:
SDG NO.: 242143
Date : 10/19/04

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/l)	IDL (ug/l)	M
Aluminum	308.22		200.0	16.3	P
Antimony	206.83		60.0	4.4	P
Arsenic	188.98		10.0	2.7	P
Barium	233.53		200.0	3.1	P
Beryllium	313.11		5.0	0.3	P
Boron	249.68		50.0	4.7	P
Cadmium	226.50		5.0	0.5	P
Calcium	430.25		5000.0	41.9	P
Calcium	227.55		5000.0	104	P
Chromium	205.55		10.0	0.6	P
Cobalt			50.0	2.0	P
Copper	324.75		25.0	2.5	P
Iron	273.96		100.0	17.6	P
Gold			50.0	7.1	P
Lead	220.35		3.0	1.7	P
Magnesium	279.08		5000.0	11.2	P
Manganese	257.61		15.0	1.1	P
Mercury					P
Molybdenum	202.03		50.0	3.1	P
Nickel	231.60		40.0	1.7	P
Potassium	766.49		5000.0	142.0	P
Selenium	196.03		5.0	3.9	P
Silver	338.29		10.0	1.1	P
Sodium	330.24		5000.0	158	P
Sodium	589.00		5000.0	19.5	P
Thallium	190.80		10.0	2.3	P
Tin	189.93		200.0	3.2	P
Tungsten	207.91		100.0	3.3	P
Vanadium	292.40		50.0	3.1	P
Zinc	206.20		20.0	3.6	P

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11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL NEWBURGH
Lab Code: 10142
ICP ID Number: ICP-1

Contract:
SDG No.: 242143
Date: March-04

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mn
Aluminum	308.22		0.0000000	-0.0150000	0.0000000	0.0000000
Antimony	206.33	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	188.98	0.0630000	0.0000000	-0.0900000	0.0000000	0.0000000
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.11	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0300000	0.0000000	0.0000000
Calcium	430.25	0.0000000		0.0000000	0.0000000	0.0000000
Chromium	205.55	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	-0.0100000	0.0000000	0.0000000
Iron	273.96	-0.0150000	0.0000000		0.0000000	0.0000000
Lead	220.35	-0.0500000	0.0005000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000		0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0250000	
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	-0.0050000	-0.0400000	0.5000000	0.0000000	0.0000000
Silver	338.29	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.24	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	-0.0550000	0.0000000	0.0000000	0.0000000	1.5000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0350000	0.0000000

FORM XI (PART 1) - IN

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11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: STL NEWBURGH
Lab Code: 10142
ICP ID Number: ICP-1

Contract:
SDG No.: 242143
Date: March-04

Analyte	Wave-length (nm)	Interelement Correction Factors for: CO	V			
Aluminum	308.22	0.0000000	0.0000000			
Antimony	206.33	0.0000000	0.0000000			
Arsenic	188.98	0.0000000	0.0000000			
Barium	233.53	0.0000000	0.0000000			
Beryllium	313.11	0.0000000	0.0000000			
Cadmium	226.50	0.2300000	0.0000000			
Calcium	430.25	0.0000000	0.0000000			
Chromium	205.55	0.0000000	0.0000000			
Cobalt	228.62		0.0000000			
Copper	324.75	0.0000000	0.0000000			
Iron	273.96	0.0000000	0.0000000			
Lead	220.35	0.0000000	0.0000000			
Magnesium	279.08	0.0000000	0.0000000			
Manganese	257.61	0.0000000	0.0000000			
Mercury		0.0000000	0.0000000			
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.49	0.0000000	0.0000000			
Selenium	196.03	0.0000000	0.0000000			
Silver	338.29	0.0000000	0.0000000			
Sodium	330.24	0.0000000	0.0000000			
Thallium	190.80	0.0000000	1.0755400			
Vanadium	292.40	0.0000000				
Zinc	206.20	0.0000000	0.0000000			

FORM XI (PART 1) - IN

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SEVERN TRENT STL

NYSDOH 10142 NJDEP 73015 CTDOHS PH-0554 EPA NY049 PA 68-378 M-NY049

STL Newburgh
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12

ICP LINEAR RANGES

Lab Name: STL NEWBURGH
Lab Code: 10142
ICP ID Number: ICP-1

Contract:
SDG No.: 242143
Date: March-04

Analyte	Integ. Time (Sec.)	Concentration (ug/l)	M
Aluminum	20.0	500000.0	P
Antimony	20.0	10000.0	P
Arsenic	20.0	20000.0	P
Barium	20.0	50000.0	P
Beryllium	20.0	10000.0	P
Cadmium	20.0	10000.0	P
Calcium	20.0	600000.0	P
Chromium	20.0	40000.0	P
Cobalt	20.0	50000.0	P
Copper	20.0	50000.0	P
Iron	20.0	100000.0	P
Lead	20.0	25000.0	P
Magnesium	20.0	500000.0	P
Manganese	20.0	20000.0	P
Mercury	20.0		
Nickel	20.0	50000.0	P
Potassium	20.0	10000.0	P
Selenium	20.0	10000.0	P
Silver	20.0	2500.0	P
Sodium	20.0	500000.0	P
Thallium	20.0	10000.0	
Vanadium	20.0	50000.0	P
Zinc	20.0	20000.0	P

FORM XII - IN

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Inorganic Data
Raw Data

Sample Information Detail Report
Document Name: NOV05

ICP 1

11/5/04

File Description
Default Sample Information File

Parameters Common To All Samples

Batch ID	
Volume Units	mL
Weight Units	g

Parameters That Vary With All Samples

	A/S Location	Sample ID
001	24	MB 78768
002	25	LCS 78768
003	26	242143-002S
004	27	242143-002S MD
005	28	242143-002S MS
006	29	242143-002S MSF
007	30	242143-002S SD
008	31	242143-004S
009	32	242143-006S
010	33	242143-008S - run add'l
011	34	(2) 242143-010S
012	35	242128-001S
013	36	242128-002S
014	37	242128-003S
015	38	242128-004S
016	39	242128-005S
017	40	242128-006S
018	41	242128-007S
019	42	242128-008S
020	43	242128-009S
021	44	(3) 242128-010S
022	45	242128-011S
023	46	242128-012S
024	47	242128-013S
025	48	242177-001S
026	49	242143-002S PDS Mn
027	50	242143-008S 2X
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242143
79339

Reg # 79340

Cabnet

000058

File Description
Default Sample Information File

Parameters Common To All Samples

Batch ID	
Volume Units	mL
Weight Units	g

Parameters That Vary With All Samples

	A/S Location	Sample ID
001	24	MB 78768
002	25	LCS 78768
003	26	242143-002S
004	27	242143-002S MD
005	28	242143-002S MS
006	29	242143-002S MSF
007	30	242143-002S SD
008	31	242143-004S
009	32	242143-006S
010	33	242143-008S
011	34	242143-010S
012	35	242128-001S
013	36	242128-002S
014	37	242128-003S
015	38	242128-004S
016	39	242128-005S
017	40	242128-006S
018	41	242128-007S
019	42	242128-008S
020	43	242128-009S
021	44	242128-010S
022	45	242128-011S
023	46	242128-012S
024	47	242128-013S
025	48	242177-001S
026	49	
027	50	
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Calibration Summary
Method: CLPsoil
Date: 11/5/04 12:12:39 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.

Method: CLPsoil
Results: 04NOV05b
Sample Info: nov05
Method Description: CLPsoil

IEC: 82097.iec
Spectra Stored: Yes
User: User1

MSF:
Method Stored: Yes
Date: 11/5/04 12:12:39 PM

Mean Data
ID: IS Init
Seq. No.: 1
Data: Original
A/S Pos: 1
Date: 11/5/04 12:14:04 PM

Element	Mean Corr. Intensity
Y 360.073	63411.6
Sc 361.384	268289.9

Mean Data
ID: Calib Blank 1
Seq. No.: 2
Data: Original
A/S Pos: 1
Date: 11/5/04 12:14:44 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	63266.8	0.999	µg/L
Sc 361.384	254014.8	0.947	µg/L
Al 308.215	13424.4	0	µg/L
Sb 206.833	31.4	0	µg/L
As 188.979	-1.5	0	µg/L
Ba 233.527	-126.5	0	µg/L
Be 313.107	189.8	0	µg/L
Cd 226.502	-72.1	0	µg/L
Ca 430.253	9118.7	0	µg/L
Ca 227.547	-112.4	0	µg/L
Cr 205.560	-10.9	0	µg/L
Co 228.616	23.0	0	µg/L
Cu 324.754	2554.5	0	µg/L
Fe 273.955	474.9	0	µg/L
Pb 220.353	81.8	0	µg/L
Mg 279.079	2866.1	0	µg/L
Mn 257.610	417.0	0	µg/L
Ni 231.604	39.2	0	µg/L
K 766.491	8452.0	0	µg/L
Se 196.026	18.3	0	µg/L
Ag 338.289	-690.8	0	µg/L
Na 330.237	-431.1	0	µg/L
Tl 190.800	-41.7	0	µg/L
V 292.402	-111.0	0	µg/L
Zn 206.200	180.4	0	µg/L
Na 589.592	24031.9	0	µg/L
Mo 202.030	8.4	0	µg/L
B 182.527	-20.2	0	µg/L

Mean Data
ID: CAL-1-A
Seq. No.: 3
Data: Original
A/S Pos: 15
Date: 11/5/04 12:18:31 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	58791.0	0.927	µg/L
Sc 361.384	262445.5	0.978	µg/L
Al 308.215	393224.4	20000	µg/L
Ba 233.527	2216549.8	20000	µg/L
Be 313.107	697574.8	500	µg/L
Ca 430.253	494273.7	50000	µg/L
Ca 227.547	3761.2	50000	µg/L
Cr 205.560	59091.5	2000	µg/L
Co 228.616	156750.0	5000	µg/L

Cu 324.754	287895.6	2500	µg/L
Fe 273.955	428411.2	10000	µg/L
Mg 279.079	1214573.7	50000	µg/L
Mn 257.610	3817179.9	5000	µg/L
Ni 231.604	129805.0	5000	µg/L
Na 330.237	12204.5	50000	µg/L
V 292.402	318089.3	5000	µg/L
Zn 206.200	328222.1	5000	µg/L

Mean Data ----------
ID: CAL-1-B Seq. No.: 4 A/S Pos: 16
Data: Original Date: 11/5/04 12:21:51 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	64117.6	1.011	µg/L
Sc 361.384	268333.4	1.000	µg/L
Ag 338.289	44907.4	750	µg/L

Mean Data ----------
ID: CAL-3 Seq. No.: 5 A/S Pos: 17
Data: Original Date: 11/5/04 12:25:08 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	60741.9	0.958	µg/L
Sc 361.384	262455.0	0.978	µg/L
Cd 226.502	56762.2	1000	µg/L
Pb 220.353	13074.3	2000	µg/L
Tl 190.800	4952.4	2000	µg/L

Mean Data ----------
ID: K Seq. No.: 6 A/S Pos: 18
Data: Original Date: 11/5/04 12:28:37 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	63464.3	1.001	µg/L
Sc 361.384	262241.1	0.977	µg/L
Ca 430.253	99875.6	10000	µg/L
Ca 227.547	651.3	10000	µg/L
K 766.491	2586689.4	10000	µg/L
Na 330.237	1916.2	10000	µg/L
Na 589.592	4076044.5	10000	µg/L
B 182.527	4080.6	2500	µg/L

Mean Data ----------
ID: SB Seq. No.: 7 A/S Pos: 19
Data: Original Date: 11/5/04 12:32:03 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	61425.8	0.969	µg/L
Sc 361.384	260452.4	0.971	µg/L
Sb 206.833	4616.8	2500	µg/L

Mean Data ----------
ID: AS Seq. No.: 8 A/S Pos: 20
Data: Original Date: 11/5/04 12:35:43 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	62741.8	0.989	µg/L
Sc 361.384	256596.8	0.956	µg/L
As 188.979	1789.9	750	µg/L
Se 196.026	1627.9	750	µg/L

Mean Data ----------
ID: Na Seq. No.: 9 A/S Pos: 21
Data: Original Date: 11/5/04 12:39:28 PM

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Element	Mean Corr. Intensity	Conc.	Calib Units

Y 360.073	63942.1	1.008 µg/L
Sc 361.384	268829.3	1.002 µg/L
Ca 430.253	54443.3	5000 µg/L
Ca 227.547	263.2	5000 µg/L
K 766.491	1174043.3	5000 µg/L
Na 330.237	770.5	5000 µg/L
Na 589.592	1873528.7	5000 µg/L

Mean Data
ID: 3-3 Seq. No.: 10 A/S Pos: 22
Data: Original Date: 11/5/04 12:42:51 PM

Element	Mean Corr. Intensity	Conc.	Calib Units
Y 360.073	63618.3	1.003	µg/L
Sc 361.384	271216.3	1.011	µg/L
Mo 202.030	60521.2	6500	µg/L

Calibration Summary
Method: CLPsoil Date: 11/5/04 12:43:10 PM

Element	Stds	Equation	Intercept	Slope	Curvature	Corr. Coeff.
Al 308.215	1	Linear	13424.4	19.0	0.00000	1.000000
Sb 206.833	1	Linear	31.4	1.8	0.00000	1.000000
As 188.979	1	Linear	-1.5	2.4	0.00000	1.000000
Ba 233.527	1	Linear	-126.5	110.8	0.00000	1.000000
Be 313.107	1	Linear	189.8	1394.8	0.00000	1.000000
Cd 226.502	1	Linear	-72.1	56.8	0.00000	1.000000
Ca 430.253	3	Linear	5974.4	9.8	0.00000	0.999921
Ca 227.547	3	Linear	-120.2	0.1	0.00000	0.999995
Cr 205.560	1	Linear	-10.9	29.6	0.00000	1.000000
Co 228.616	1	Linear	23.0	31.3	0.00000	1.000000
Cu 324.754	1	Linear	2554.5	114.1	0.00000	1.000000
Fe 273.955	1	Linear	474.9	42.8	0.00000	1.000000
Pb 220.353	1	Linear	81.8	6.5	0.00000	1.000000
Mg 279.079	1	Linear	2866.1	24.2	0.00000	1.000000
Mn 257.610	1	Linear	417.0	763.4	0.00000	1.000000
Ni 231.604	1	Linear	39.2	26.0	0.00000	1.000000
K 766.491	2	Linear	-32723.8	257.8	0.00000	0.998473
Se 196.026	1	Linear	18.3	2.1	0.00000	1.000000
Ag 338.289	1	Linear	-690.8	60.8	0.00000	1.000000
Na 330.237	3	Linear	-510.4	0.3	0.00000	0.999904
Tl 190.800	1	Linear	-41.7	2.5	0.00000	1.000000
V 292.402	1	Linear	-111.0	63.6	0.00000	1.000000
Zn 206.200	1	Linear	180.4	65.6	0.00000	1.000000
Na 589.592	2	Linear	-34804.5	405.2	0.00000	0.998737
Mo 202.030	1	Linear	8.4	9.3	0.00000	1.000000
B 182.527	1	Linear	-20.2	1.6	0.00000	1.000000

Mean Data
ID: ICVM03AGICV01 Seq. No.: 11 Sample No.: 2 A/S Pos: 9
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 12:46:27 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63531.8	1.002	µg/L		
Sc 361.384	260339.5	0.970	µg/L		
Al 308.215	14644.4	64.2444	µg/L		
Sb 206.833	5.0	-14.3814	µg/L		
As 188.979	-3.2	-0.723865	µg/L		
Ba 233.527	-44.4	0.741044	µg/L		
Be 313.107	239.8	0.0358482	µg/L		
Cd 226.502	-50.4	0.383941	µg/L		
Ca 430.253	9250.8	336.000	µg/L		
Ca 227.547	-118.9	16.7531	µg/L		
Cr 205.560	13.8	0.837472	µg/L		
Co 228.616	-90.4	-3.61847	µg/L		
Cu 324.754	15242.3	111.163	µg/L		
Fe 273.955	478.6	0.0863188	µg/L		
Pb 220.353	47.4	-5.29023	µg/L		

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Mg 279.079	2829.6	-1.50720	µg/L
Mn 257.610	891.6	0.621771	µg/L
Ni 231.604	35.1	-0.158701	µg/L
K 766.491	9941.4	165.482	µg/L
Se 196.026	18.4	0.0738752	µg/L
Ag 338.289	5471.7	101.360	µg/L
Na 330.237	-440.4	275.727	µg/L
Tl 190.800	193.1	94.0377	µg/L
V 292.402	-189.0	-1.22533	µg/L
Zn 206.200	284.3	1.58334	µg/L
Na 589.592	23295.1	143.385	µg/L
Mo 202.030	19074.3	2047.97	µg/L
B 182.527	3242.0	1988.78	µg/L

Mean Data ----------

ID: ICVM02ISBICV1 Seq. No.: 12 Sample No.: 3 A/S Pos: 10
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 12:50:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64074.8	1.010	µg/L		
Sc 361.384	272683.8	1.016	µg/L		
Al 308.215	13629.4	10.7946	µg/L		
Sb 206.833	1129.0	598.422	µg/L		
As 188.979	1214.1	508.921	µg/L		
Ba 233.527	-157.5	-0.279082	µg/L		
Be 313.107	204.8	0.0107545	µg/L		
Cd 226.502	15162.3	268.050	µg/L		
Ca 430.253	9278.6	338.850	µg/L		
Ca 227.547	-114.4	74.8412	µg/L		
Cr 205.560	-10.5	0.0144941	µg/L		
Co 228.616	32.7	0.308713	µg/L		
Cu 324.754	2665.3	0.970277	µg/L		
Fe 273.955	364.3	-2.58587	µg/L		
Pb 220.353	3252.5	488.084	µg/L		
Mg 279.079	2909.4	1.78738	µg/L		
Mn 257.610	561.9	0.189830	µg/L		
Ni 231.604	37.0	-0.0855456	µg/L		
K 766.491	10376.5	167.170	µg/L		
Se 196.026	1175.2	539.072	µg/L		
Ag 338.289	-712.4	-0.355208	µg/L		
Na 330.237	-447.5	247.602	µg/L		
Tl 190.800	1212.2	502.145	µg/L		
V 292.402	-154.1	-0.676607	µg/L		
Zn 206.200	186.3	0.0897708	µg/L		
Na 589.592	22566.3	141.586	µg/L		
Mo 202.030	5515.2	591.513	µg/L		
B 182.527	33.2	32.5645	µg/L		

Mean Data ----------

ID: ICVM04IRICV01 Seq. No.: 13 Sample No.: 4 A/S Pos: 11
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 12:54:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63475.1	1.001	µg/L		
Sc 361.384	261015.0	0.973	µg/L		
Al 308.215	111359.4	5157.72	µg/L		
Sb 206.833	1153.2	611.608	µg/L		
As 188.979	-8.1	-2.84924	µg/L		
Ba 233.527	640172.0	5777.10	µg/L		
*QC exceeds upper limit for Ba 233.527 Recovery = 115.54% Action = Continue					
Be 313.107	185309.8	132.724	µg/L		
Cd 226.502	-46.6	0.0548588	µg/L		
Ca 430.253	127157.2	12427.8	µg/L		
Ca 227.547	840.1	12375.1	µg/L		
Cr 205.560	16375.9	554.523	µg/L		
*QC exceeds upper limit for Cr 205.560 Recovery = 110.90 Action = Continue					
Co 228.616	42881.9	1367.31	µg/L		
Cu 324.754	77830.8	659.796	µg/L		
Fe 273.955	114843.8	2672.57	µg/L		

Pb 220.353	91.0	1.78822	µg/L
Mg 279.079	327083.0	13378.5	µg/L
Mn 257.610	1054750.3	1380.85	µg/L

*QC exceeds upper limit for Mn 257.610 Recovery = 110.47 Action = Continue

Ni 231.604	35787.7	1377.42	µg/L
K 766.491	3418572.1	13386.3	µg/L
Se 196.026	29.0	5.46871	µg/L
Ag 338.289	36474.8	611.301	µg/L
Na 330.237	2746.6	12829.3	µg/L
Tl 190.800	-33.4	0.105831	µg/L
V 292.402	85910.7	1351.69	µg/L
Zn 206.200	89844.7	1366.19	µg/L
Na 589.592	5462528.7	13566.9	µg/L
Mo 202.030	5461.4	585.736	µg/L
B 182.527	-5.7	8.85373	µg/L

Mean Data

ID: ICB Seq. No.: 14 Sample No.: 5 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 12:58:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	62970.6	0.993	µg/L		
Sc 361.384	249885.5	0.931	µg/L		
Al 308.215	13164.4	-13.6908	µg/L		
Sb 206.833	33.8	1.33894	µg/L		
As 188.979	0.0	0.624159	µg/L		
Ba 233.527	120.1	2.22500	µg/L		
Be 313.107	214.8	0.0179241	µg/L		
Cd 226.502	-74.5	-0.0425893	µg/L		
Ca 430.253	9234.8	334.358	µg/L		
Ca 227.547	-125.3	-65.3313	µg/L		
Cr 205.560	-0.3	0.357472	µg/L		
Co 228.616	39.4	0.521932	µg/L		
Cu 324.754	2608.1	0.469538	µg/L		
Fe 273.955	605.4	3.04957	µg/L		
Pb 220.353	91.2	1.45460	µg/L		
Mg 279.079	3014.5	6.12229	µg/L		
Mn 257.610	860.0	0.580217	µg/L		
Ni 231.604	50.5	0.433048	µg/L		
K 766.491	12800.4	176.571	µg/L		
Se 196.026	21.1	1.32898	µg/L		
Ag 338.289	-679.7	0.181478	µg/L		
Na 330.237	-461.6	192.358	µg/L		
Tl 190.800	-43.6	-0.747589	µg/L		
V 292.402	-96.9	0.221048	µg/L		
Zn 206.200	206.4	0.395271	µg/L		
Na 589.592	22986.5	142.623	µg/L		
Mo 202.030	43.6	3.78621	µg/L		
B 182.527	-15.5	2.84659	µg/L		

Mean Data

ID: CRIM04ICRI001 Seq. No.: 15 Sample No.: 6 A/S Pos: 12
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:02:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63485.1	1.001	µg/L		
Sc 361.384	258378.9	0.963	µg/L		
Al 308.215	13409.4	-0.789118	µg/L		
Sb 206.833	252.6	120.642	µg/L		
As 188.979	48.9	21.0673	µg/L		
Ba 233.527	-37.8	0.800489	µg/L		
Be 313.107	15454.8	10.9445	µg/L		
Cd 226.502	516.5	10.3314	µg/L		
Ca 430.253	9265.6	337.516	µg/L		
Ca 227.547	-115.9	54.9132	µg/L		
Cr 205.560	668.6	22.9350	µg/L		
Co 228.616	3409.4	108.036	µg/L		
Cu 324.754	9113.8	57.4691	µg/L		
Fe 273.955	639.9	3.85542	µg/L		

Pb 220.353	127.4	7.02077	µg/L
Mg 279.079	2897.8	1.30742	µg/L
Mn 257.610	28546.5	36.8500	µg/L
Ni 231.604	2333.0	88.3811	µg/L
K 766.491	12897.7	176.948	µg/L
Se 196.026	44.2	12.0719	µg/L
Ag 338.289	585.0	20.9840	µg/L
Na 330.237	-397.7	443.801	µg/L
Tl 190.800	4.2	18.2299	µg/L
V 292.402	6775.4	108.208	µg/L
Zn 206.200	3205.7	46.1110	µg/L
Na 589.592	20235.6	135.834	µg/L
Mo 202.030	5.5	-0.308904	µg/L
B 182.527	-14.1	3.71877	µg/L

Mean Data ----------

ID: ISAM03ISA001 Seq. No.: 16 Sample No.: 7 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:06:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	55086.1	0.869	µg/L		
Sc 361.384	236390.4	0.881	µg/L		
Al 308.215	9140999.4	480686	µg/L		
Sb 206.833	20.5	-5.90858	µg/L		
As 188.979	7.7	-11.1722	µg/L		
Ba 233.527	-145.6	-0.171842	µg/L		
Be 313.107	-525.2	-0.512629	µg/L		
Cd 226.502	309.1	1.62139	µg/L		
Ca 430.253	4986463.2	510768	µg/L		
Ca 227.547	38269.6	494716	µg/L		
Cr 205.560	20.3	1.05588	µg/L		
Co 228.616	11.0	-0.381956	µg/L		
Cu 324.754	-928.7	-13.5611	µg/L		
Fe 273.955	7257045.2	169571	µg/L		
Pb 220.353	-92.9	2.24223	µg/L		
Mg 279.079	11410526.9	470727	µg/L		
Mn 257.610	8769.1	-0.826781	µg/L		
Ni 231.604	66.8	1.06271	µg/L		
K 766.491	16344.1	190.316	µg/L		
Se 196.026	-20.9	21.5017	µg/L		
Ag 338.289	-937.5	-4.05907	µg/L		
Na 330.237	-404.4	417.399	µg/L		
Tl 190.800	-56.5	20.5357	µg/L		
V 292.402	-136.2	-0.395632	µg/L		
Zn 206.200	1000.0	-3.98339	µg/L		
Na 589.592	65511.2	247.570	µg/L		
Mo 202.030	-2.1	-1.11949	µg/L		
B 182.527	-109.2	-54.2802	µg/L		

Mean Data ----------

ID: ISRM03ISR001 Seq. No.: 17 Sample No.: 9 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:11:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	55494.5	0.875	µg/L		
Sc 361.384	230568.1	0.859	µg/L		
Al 308.215	8854849.4	465618	µg/L		
Sb 206.833	1051.7	556.280	µg/L		
As 188.979	224.3	80.6746	µg/L		
Ba 233.527	58801.1	531.676	µg/L		
Be 313.107	671649.8	481.413	µg/L		
Cd 226.502	49047.8	858.999	µg/L		
Ca 430.253	5026679.8	514892	µg/L		
Ca 227.547	39189.3	506568	µg/L		
Cr 205.560	13696.4	463.851	µg/L		
Co 228.616	13558.9	431.829	µg/L		
Cu 324.754	56854.8	492.973	µg/L		
Fe 273.955	7371095.2	172236	µg/L		
Pb 220.353	184.7	44.2643	µg/L		

Mg 279.079	11501945.3	474499	µg/L
Mn 257.610	388047.8	495.938	µg/L
Ni 231.604	23258.0	894.639	µg/L
K 766.491	15551.3	187.241	µg/L
Se 196.026	75.2	66.6413	µg/L

*QC exceeds upper limit for Se 196.026 Recovery = 133.28% Action = Continue

Ag 338.289	10040.8	176.513	µg/L
Na 330.237	-368.5	558.935	µg/L
Tl 190.800	142.3	98.0673	µg/L
V 292.402	30145.0	475.425	µg/L
Zn 206.200	60507.3	902.893	µg/L
Na 589.592	66747.7	250.622	µg/L
Mo 202.030	9.7	0.145571	µg/L
B 182.527	-107.2	-53.0548	µg/L

Mean Data

ID: CCVM03AGCCV01 Seq. No.: 18 Sample No.: 11 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:15:52 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63929.7	1.008	µg/L		
Sc 361.384	250945.0	0.935	µg/L		
Al 308.215	16214.4	146.942	µg/L		
Sb 206.833	17.1	-7.80502	µg/L		
As 188.979	-3.4	-0.791863	µg/L		
Ba 233.527	-126.9	-0.0032443	µg/L		
Be 313.107	379.8	0.136223	µg/L		
Cd 226.502	-53.1	0.332396	µg/L		
Ca 430.253	10194.7	432.800	µg/L		
Ca 227.547	-104.9	197.039	µg/L		
Cr 205.560	-6.8	0.139723	µg/L		
Co 228.616	-34.3	-1.82806	µg/L		
Cu 324.754	41970.2	345.350	µg/L		
Fe 273.955	5316.3	113.133	µg/L		
Pb 220.353	65.7	-2.47411	µg/L		
Mg 279.079	6264.5	140.233	µg/L		
Mn 257.610	732.9	0.410354	µg/L		
Ni 231.604	41.6	0.0890327	µg/L		
K 766.491	9660.1	164.391	µg/L		
Se 196.026	21.6	1.57612	µg/L		
Ag 338.289	19078.2	325.161	µg/L		
Na 330.237	-450.7	235.002	µg/L		
Tl 190.800	728.6	308.522	µg/L		
V 292.402	-155.6	-0.700052	µg/L		
Zn 206.200	308.5	1.94774	µg/L		
Na 589.592	19105.0	133.044	µg/L		
Mo 202.030	9892.0	1061.65	µg/L		
B 182.527	1797.1	1107.90	µg/L		

*QC exceeds upper limit for B 182.527 Recovery = 110.79% Action = Continue

Mean Data

ID: CCVM04IRCCV01 Seq. No.: 19 Sample No.: 12 A/S Pos: 2
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:20:14 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	61995.6	0.978	µg/L		
Sc 361.384	246571.0	0.919	µg/L		
Al 308.215	205024.4	10090.5	µg/L		
Sb 206.833	932.1	491.091	µg/L		
As 188.979	-18.2	-7.16586	µg/L		
Ba 233.527	1255161.0	11325.9	µg/L		

*QC exceeds upper limit for Ba 233.527 Recovery = 113.26% Action = Continue

Be 313.107	368024.8	263.724	µg/L
Cd 226.502	-2.1	0.479056	µg/L
Ca 430.253	251685.6	25198.6	µg/L
Ca 227.547	1793.2	24657.7	µg/L
Cr 205.560	32102.9	1086.72	µg/L
Co 228.616	81575.1	2601.72	µg/L
Cu 324.754	146263.9	1259.61	µg/L

Fe 273.955	219875.0	5126.93	µg/L
Pb 220.353	97.0	3.08892	µg/L
Mg 279.079	644712.9	26485.2	µg/L
Mn 257.610	2082413.5	2726.78	µg/L
Ni 231.604	68352.5	2632.18	µg/L
K 766.491	7883907.7	30705.6	µg/L
Se 196.026	27.6	5.25751	µg/L
Ag 338.289	49497.1	825.491	µg/L
Na 330.237	6117.2	26106.0	µg/L
Tl 190.800	-28.6	-1.02789	µg/L
V 292.402	162070.1	2548.41	µg/L
Zn 206.200	172166.7	2620.48	µg/L
Na 589.592	12628072.6	31250.8	µg/L
Mo 202.030	4529.2	485.604	µg/L
B 182.527	-10.0	6.21360	µg/L

Mean Data ----------

ID: CCVM02ISBCCV1 Seq. No.: 20 Sample No.: 13 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:24:29 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64150.7	1.012	µg/L		
Sc 361.384	257199.7	0.959	µg/L		
Al 308.215	14134.4	37.3936	µg/L		
Sb 206.833	973.8	513.819	µg/L		
As 188.979	2467.0	1033.49	µg/L		
Ba 233.527	252.9	3.42309	µg/L		
Be 313.107	394.8	0.146978	µg/L		
Cd 226.502	31128.4	548.973	µg/L		
Ca 430.253	9485.4	360.059	µg/L		
Ca 227.547	-110.0	131.294	µg/L		
Cr 205.560	-2.0	0.301869	µg/L		
Co 228.616	65.2	1.34651	µg/L		
Cu 324.754	2915.2	3.16276	µg/L		
Fe 273.955	1661.6	27.7296	µg/L		
Pb 220.353	6519.4	990.967	µg/L		
Mg 279.079	3879.5	41.8179	µg/L		
Mn 257.610	1229.7	1.06359	µg/L		
Ni 231.604	69.1	1.14951	µg/L		
K 766.491	18378.2	198.205	µg/L		
Se 196.026	2347.2	1085.22	µg/L		
Ag 338.289	602.1	21.2655	µg/L		
Na 330.237	-465.6	176.668	µg/L		
Tl 190.800	2504.2	1019.57	µg/L		
V 292.402	-78.1	0.517527	µg/L		
Zn 206.200	381.5	3.06397	µg/L		
Na 589.592	28297.8	155.731	µg/L		
Mo 202.030	4732.4	507.429	µg/L		
B 182.527	-8.5	7.13395	µg/L		

Mean Data ----------

ID: CCB Seq. No.: 21 Sample No.: 14 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:28:23 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63198.8	0.997	µg/L		
Sc 361.384	250902.7	0.935	µg/L		
Al 308.215	13314.4	-5.79085	µg/L		
Sb 206.833	46.1	8.00817	µg/L		
As 188.979	3.9	2.24273	µg/L		
Ba 233.527	-128.9	-0.0212849	µg/L		
Be 313.107	184.8	-0.0035848	µg/L		
Cd 226.502	-64.3	0.137950	µg/L		
Ca 430.253	9147.2	325.381	µg/L		
Ca 227.547	-117.8	30.8418	µg/L		
Cr 205.560	-7.9	0.101220	µg/L		
Co 228.616	30.0	0.221912	µg/L		
Cu 324.754	2625.2	0.620460	µg/L		
Fe 273.955	832.6	8.35734	µg/L		

Pb 220.353	88.0	0.947407	µg/L
Mg 279.079	3136.0	11.1391	µg/L
Mn 257.610	431.9	0.0192521	µg/L
Ni 231.604	42.5	0.126695	µg/L
K 766.491	11440.9	171.298	µg/L
Se 196.026	23.5	2.44833	µg/L
Ag 338.289	-667.6	0.380704	µg/L
Na 330.237	-428.9	321.042	µg/L
Tl 190.800	-37.1	1.86544	µg/L
V 292.402	-120.4	-0.147031	µg/L
Zn 206.200	178.5	-0.0297302	µg/L
Na 589.592	17324.6	128.650	µg/L
Mo 202.030	31.8	2.51800	µg/L
B 182.527	-22.5	-1.42939	µg/L

Mean Data ----------

ID: MB 78768 Seq. No.: 22 Sample No.: 1 A/S Pos: 24
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:32:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	62031.0	0.978	µg/L		
Sc 361.384	253503.8	0.945	µg/L		
Al 308.215	13494.4	3.69091	µg/L	3.69091	µg/L
Sb 206.833	35.1	2.05416	µg/L	2.05416	µg/L
As 188.979	3.6	2.11909	µg/L	2.11909	µg/L
Ba 233.527	-134.0	-0.0672684	µg/L	-0.0672684	µg/L
Be 313.107	224.8	0.0250937	µg/L	0.0250937	µg/L
Cd 226.502	-75.9	-0.0677144	µg/L	-0.0677144	µg/L
Ca 430.253	10158.0	429.037	µg/L	429.037	µg/L
Ca 227.547	-114.1	77.7827	µg/L	77.7827	µg/L
Cr 205.560	-7.9	0.100588	µg/L	0.100588	µg/L
Co 228.616	64.7	1.33012	µg/L	1.33012	µg/L
Cu 324.754	2796.7	2.12409	µg/L	2.12409	µg/L
Fe 273.955	1492.5	23.7792	µg/L	23.7792	µg/L
Pb 220.353	79.9	-0.290722	µg/L	-0.290722	µg/L
Mg 279.079	3456.2	24.3480	µg/L	24.3480	µg/L
Mn 257.610	579.8	0.212697	µg/L	0.212697	µg/L
Ni 231.604	39.4	0.0074025	µg/L	0.0074025	µg/L
K 766.491	11999.9	173.466	µg/L	173.466	µg/L
Se 196.026	19.9	0.755681	µg/L	0.755681	µg/L
Ag 338.289	-689.7	0.0169976	µg/L	0.0169976	µg/L
Na 330.237	-337.7	680.139	µg/L	680.139	µg/L
Tl 190.800	-44.2	-0.999200	µg/L	-0.999200	µg/L
V 292.402	-117.4	-0.100064	µg/L	-0.100064	µg/L
Zn 206.200	638.5	6.98044	µg/L	6.98044	µg/L
Na 589.592	20483.1	136.445	µg/L	136.445	µg/L
Mo 202.030	13.3	0.527043	µg/L	0.527043	µg/L
B 182.527	-19.1	0.673036	µg/L	0.673036	µg/L

Mean Data ----------

ID: LCS 78768 Seq. No.: 23 Sample No.: 2 A/S Pos: 25
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:36:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	74645.9	1.177	µg/L		
Sc 361.384	264163.3	0.985	µg/L		
Al 308.215	371814.4	18877.5	µg/L	18877.5	µg/L
Sb 206.833	237.0	112.102	µg/L	112.102	µg/L
As 188.979	1422.9	597.343	µg/L	597.343	µg/L
Ba 233.527	314581.6	2839.46	µg/L	2839.46	µg/L
Be 313.107	260124.8	186.364	µg/L	186.364	µg/L
Cd 226.502	17675.6	311.396	µg/L	311.396	µg/L
Ca 430.253	714378.2	72649.5	µg/L	72649.5	µg/L
Ca 227.547	5352.3	70521.6	µg/L	70521.6	µg/L
Cr 205.560	15627.3	529.189	µg/L	529.189	µg/L
Co 228.616	17556.6	559.368	µg/L	559.368	µg/L
Cu 324.754	25727.8	205.519	µg/L	205.519	µg/L
Fe 273.955	1064835.9	24872.0	µg/L	24872.0	µg/L
Pb 220.353	2963.9	445.318	µg/L	445.318	µg/L

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Mg 279.079	1001805.5	41220.3	µg/L	41220.3	µg/L
Mn 257.610	1186037.1	1552.14	µg/L	1552.14	µg/L
Ni 231.604	13155.0	505.364	µg/L	505.364	µg/L
K 766.491	2119037.2	8345.86	µg/L	8345.86	µg/L
Se 196.026	564.7	260.046	µg/L	260.046	µg/L
Ag 338.289	14829.1	255.271	µg/L	255.271	µg/L
Na 330.237	-175.5	1319.05	µg/L	1319.05	µg/L
Tl 190.800	942.3	392.247	µg/L	392.247	µg/L
V 292.402	30686.8	483.938	µg/L	483.938	µg/L
Zn 206.200	54807.2	831.177	µg/L	831.177	µg/L
Na 589.592	509085.5	1342.27	µg/L	1342.27	µg/L
Mo 202.030	3008.4	322.247	µg/L	322.247	µg/L
B 182.527	450.1	286.728	µg/L	286.728	µg/L

Mean Data ----------

ID: 242143-002S Seq. No.: 24 Sample No.: 3 A/S Pos: 26
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:40:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64511.1	1.017	µg/L		
Sc 361.384	253384.2	0.944	µg/L		
Al 308.215	43694.4	1606.88	µg/L	1606.88	µg/L
Sb 206.833	39.4	4.38455	µg/L	4.38455	µg/L
As 188.979	34.3	20.6874	µg/L	20.6874	µg/L
Ba 233.527	22993.2	208.598	µg/L	208.598	µg/L
Be 313.107	257.3	0.0483951	µg/L	0.0483951	µg/L
Cd 226.502	-51.8	-1.57556	µg/L	-1.57556	µg/L
Ca 430.253	86528.4	8261.11	µg/L	8261.11	µg/L
Ca 227.547	525.0	8314.71	µg/L	8314.71	µg/L
Cr 205.560	235.5	8.33936	µg/L	8.33936	µg/L
Co 228.616	188.7	5.28692	µg/L	5.28692	µg/L
Cu 324.754	2967.1	10.0545	µg/L	10.0545	µg/L
Fe 273.955	2756160.0	64394.8	µg/L	64394.8	µg/L
Pb 220.353	315.0	36.0560	µg/L	36.0560	µg/L
Mg 279.079	37958.9	1448.07	µg/L	1448.07	µg/L
Mn 257.610	722417.2	945.792	µg/L	945.792	µg/L
Ni 231.604	585.1	21.0323	µg/L	21.0323	µg/L
K 766.491	92321.8	485.004	µg/L	485.004	µg/L
Se 196.026	4.3	0.233245	µg/L	0.233245	µg/L
Ag 338.289	-933.6	-3.99402	µg/L	-3.99402	µg/L
Na 330.237	-249.8	1026.72	µg/L	1026.72	µg/L
Tl 190.800	-32.2	2.48063	µg/L	2.48063	µg/L
V 292.402	381.1	7.73310	µg/L	7.73310	µg/L
Zn 206.200	29887.6	452.745	µg/L	452.745	µg/L
Na 589.592	211545.8	607.970	µg/L	607.970	µg/L
Mo 202.030	11.3	0.313271	µg/L	0.313271	µg/L
B 182.527	-6.2	8.54485	µg/L	8.54485	µg/L

Mean Data ----------

ID: 242143-002S MD Seq. No.: 25 Sample No.: 4 A/S Pos: 27
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:44:43 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64640.5	1.019	µg/L		
Sc 361.384	256960.4	0.958	µg/L		
Al 308.215	44716.9	1660.89	µg/L	1660.89	µg/L
Sb 206.833	33.1	0.919492	µg/L	0.919492	µg/L
As 188.979	34.9	20.9924	µg/L	20.9924	µg/L
Ba 233.527	23540.1	213.532	µg/L	213.532	µg/L
Be 313.107	194.8	0.0035848	µg/L	0.0035848	µg/L
Cd 226.502	-63.0	-1.79803	µg/L	-1.79803	µg/L
Ca 430.253	87468.1	8357.48	µg/L	8357.48	µg/L
Ca 227.547	530.0	8379.34	µg/L	8379.34	µg/L
Cr 205.560	248.4	8.77601	µg/L	8.77601	µg/L
Co 228.616	187.8	5.25576	µg/L	5.25576	µg/L
Cu 324.754	2895.0	9.50959	µg/L	9.50959	µg/L
Fe 273.955	2793447.4	65286.1	µg/L	65286.1	µg/L
Pb 220.353	303.6	34.3043	µg/L	34.3043	µg/L
Mg 279.079	38960.7	1489.41	µg/L	1489.41	µg/L

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Mn 257.610	734392.8	961.479	µg/L	961.479	µg/L
Ni 231.604	595.3	21.4265	µg/L	21.4265	µg/L
K 766.491	91818.4	483.052	µg/L	483.052	µg/L
Se 196.026	2.3	-0.597180	µg/L	-0.597180	µg/L
Ag 338.289	-905.4	-3.53108	µg/L	-3.53108	µg/L
Na 330.237	-238.5	1071.07	µg/L	1071.07	µg/L
Tl 190.800	-40.5	-0.881023	µg/L	-0.881023	µg/L
V 292.402	377.3	7.67350	µg/L	7.67350	µg/L
Zn 206.200	29717.8	450.156	µg/L	450.156	µg/L
Na 589.592	217980.7	623.851	µg/L	623.851	µg/L
Mo 202.030	-0.8	-0.981021	µg/L	-0.981021	µg/L
B 182.527	-13.9	3.82200	µg/L	3.82200	µg/L

Mean Data ----------

ID: 242143-002S MS Seq. No.: 26 Sample No.: 5 A/S Pos: 28
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:48:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63043.3	0.994	µg/L		
Sc 361.384	254902.0	0.950	µg/L		
Al 308.215	73019.4	3144.44	µg/L	3144.44	µg/L
Sb 206.833	24.6	-3.67288	µg/L	-3.67288	µg/L
As 188.979	9.9	7.36346	µg/L	7.36346	µg/L
Ba 233.527	272817.3	2462.64	µg/L	2462.64	µg/L
Be 313.107	72599.8	51.9154	µg/L	51.9154	µg/L
Cd 226.502	-56.9	-0.791829	µg/L	-0.791829	µg/L
Ca 430.253	47927.9	4302.49	µg/L	4302.49	µg/L
Ca 227.547	228.6	4495.12	µg/L	4495.12	µg/L
Cr 205.560	6398.1	216.878	µg/L	216.878	µg/L
Co 228.616	17379.6	553.721	µg/L	553.721	µg/L
Cu 324.754	34511.1	283.091	µg/L	283.091	µg/L
Fe 273.955	1329453.2	31055.5	µg/L	31055.5	µg/L
Pb 220.353	165.1	13.0195	µg/L	13.0195	µg/L
Mg 279.079	22828.2	823.716	µg/L	823.716	µg/L
Mn 257.610	764565.4	1001.02	µg/L	1001.02	µg/L
Ni 231.604	14830.5	569.923	µg/L	569.923	µg/L
K 766.491	67085.0	387.120	µg/L	387.120	µg/L
Se 196.026	31.7	9.52733	µg/L	9.52733	µg/L
Ag 338.289	2019.0	44.5699	µg/L	44.5699	µg/L
Na 330.237	-299.7	830.018	µg/L	830.018	µg/L
Tl 190.800	-44.7	-3.08929	µg/L	-3.08929	µg/L
V 292.402	32873.9	518.305	µg/L	518.305	µg/L
Zn 206.200	50648.3	769.201	µg/L	769.201	µg/L
Na 589.592	211737.2	608.443	µg/L	608.443	µg/L
Mo 202.030	9522.0	1021.90	µg/L	1021.90	µg/L
B 182.527	1318.2	815.926	µg/L	815.926	µg/L

Mean Data ----------

ID: 242143-002S MSF Seq. No.: 27 Sample No.: 6 A/S Pos: 29
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:52:45 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64209.4	1.013	µg/L		
Sc 361.384	265969.1	0.991	µg/L		
Al 308.215	32469.4	1010.11	µg/L	1010.11	µg/L
Sb 206.833	172.6	76.9800	µg/L	76.9800	µg/L
As 188.979	113.3	51.2259	µg/L	51.2259	µg/L
Ba 233.527	13085.1	119.202	µg/L	119.202	µg/L
Be 313.107	169.8	-0.0143393	µg/L	-0.0143393	µg/L
Cd 226.502	2621.0	46.3032	µg/L	46.3032	µg/L
Ca 430.253	53258.6	4849.17	µg/L	4849.17	µg/L
Ca 227.547	251.6	4791.57	µg/L	4791.57	µg/L
Cr 205.560	135.7	4.96159	µg/L	4.96159	µg/L
Co 228.616	107.9	2.70836	µg/L	2.70836	µg/L
Cu 324.754	2806.9	5.81570	µg/L	5.81570	µg/L
Fe 273.955	1542993.1	36045.5	µg/L	36045.5	µg/L
Pb 220.353	334.4	38.9792	µg/L	38.9792	µg/L
Mg 279.079	24598.1	896.749	µg/L	896.749	µg/L
Mn 257.610	399386.4	522.632	µg/L	522.632	µg/L

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Ni 231.604	354.5	12.1484	µg/L	12.1484	µg/L
K 766.491	58492.3	353.792	µg/L	353.792	µg/L
Se 196.026	33.3	10.7755	µg/L	10.7755	µg/L
Ag 338.289	-838.4	-2.42896	µg/L	-2.42896	µg/L
Na 330.237	-277.7	916.477	µg/L	916.477	µg/L
Tl 190.800	53.0	37.2243	µg/L	37.2243	µg/L
V 292.402	164.3	4.32657	µg/L	4.32657	µg/L
Zn 206.200	15942.5	240.214	µg/L	240.214	µg/L
Na 589.592	191352.0	558.134	µg/L	558.134	µg/L
Mo 202.030	28.7	2.18560	µg/L	2.18560	µg/L
B 182.527	-0.7	11.9039	µg/L	11.9039	µg/L

Mean Data ----------

ID: 242143-002S SD Seq. No.: 28 Sample No.: 7 A/S Pos: 30
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 1:56:40 PM

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Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64602.8	1.019	µg/L		
Sc 361.384	259811.9	0.968	µg/L		
Al 308.215	19104.4	301.730	µg/L	301.730	µg/L
Sb 206.833	34.3	1.61024	µg/L	1.61024	µg/L
As 188.979	4.6	3.69508	µg/L	3.69508	µg/L
Ba 233.527	4193.1	38.9743	µg/L	38.9743	µg/L
Be 313.107	139.8	-0.0358482	µg/L	-0.0358482	µg/L
Cd 226.502	-72.5	-0.400071	µg/L	-0.400071	µg/L
Ca 430.253	24433.4	1893.04	µg/L	1893.04	µg/L
Ca 227.547	11.5	1696.99	µg/L	1696.99	µg/L
Cr 205.560	30.0	1.38373	µg/L	1.38373	µg/L
Co 228.616	54.9	1.01769	µg/L	1.01769	µg/L
Cu 324.754	2595.3	1.66988	µg/L	1.66988	µg/L
Fe 273.955	562203.6	13126.5	µg/L	13126.5	µg/L
Pb 220.353	131.5	7.68141	µg/L	7.68141	µg/L
Mg 279.079	9979.5	293.527	µg/L	293.527	µg/L
Mn 257.610	146855.7	191.829	µg/L	191.829	µg/L
Ni 231.604	150.6	4.29056	µg/L	4.29056	µg/L
K 766.491	22764.0	215.216	µg/L	215.216	µg/L
Se 196.026	15.9	0.257908	µg/L	0.257908	µg/L
Ag 338.289	-724.0	-0.545936	µg/L	-0.545936	µg/L
Na 330.237	-410.4	393.896	µg/L	393.896	µg/L
Tl 190.800	-42.9	-0.749501	µg/L	-0.749501	µg/L
V 292.402	-21.1	1.41217	µg/L	1.41217	µg/L
Zn 206.200	6287.1	93.0678	µg/L	93.0678	µg/L
Na 589.592	47529.7	203.193	µg/L	203.193	µg/L
Mo 202.030	3.2	-0.550176	µg/L	-0.550176	µg/L
B 182.527	-15.2	3.02582	µg/L	3.02582	µg/L

Mean Data ----------

ID: 242143-004S Seq. No.: 29 Sample No.: 8 A/S Pos: 31
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:00:47 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	73202.5	1.154	µg/L		
Sc 361.384	263551.5	0.982	µg/L		
Al 308.215	400984.4	20435.0	µg/L	20435.0	µg/L
Sb 206.833	29.2	-1.18143	µg/L	-1.18143	µg/L
As 188.979	82.5	45.7553	µg/L	45.7553	µg/L
Ba 233.527	75519.3	682.516	µg/L	682.516	µg/L
Be 313.107	1217.3	0.736681	µg/L	0.736681	µg/L
Cd 226.502	-25.5	-3.14477	µg/L	-3.14477	µg/L
Ca 430.253	385833.4	38956.0	µg/L	38956.0	µg/L
Ca 227.547	2861.1	38418.2	µg/L	38418.2	µg/L
Cr 205.560	1656.2	56.4159	µg/L	56.4159	µg/L
Co 228.616	912.1	28.3648	µg/L	28.3648	µg/L
Cu 324.754	11400.2	90.6937	µg/L	90.6937	µg/L
Fe 273.955	5646246.0	131930	µg/L	131930	µg/L
Pb 220.353	1346.4	196.079	µg/L	196.079	µg/L
Mg 279.079	267105.3	10903.6	µg/L	10903.6	µg/L
Mn 257.610	1772848.2	2321.63	µg/L	2321.63	µg/L
Ni 231.604	1810.3	68.2414	µg/L	68.2414	µg/L

K 766.491	1244003.7	4951.94	µg/L	4951.94	µg/L
Se 196.026	-3.1	4.85438	µg/L	4.85438	µg/L
Ag 338.289	-1169.2	-7.86969	µg/L	-7.86969	µg/L
Na 330.237	-369.3	555.917	µg/L	555.917	µg/L
Tl 190.800	-53.6	-7.19983	µg/L	-7.19983	µg/L
V 292.402	4622.8	74.3848	µg/L	74.3848	µg/L
Zn 206.200	19900.0	300.183	µg/L	300.183	µg/L
Na 589.592	307884.7	845.726	µg/L	845.726	µg/L
Mo 202.030	16.3	0.848572	µg/L	0.848572	µg/L
B 182.527	29.3	30.1607	µg/L	30.1607	µg/L

Mean Data ----------

ID: 242143-006S Seq. No.: 30 Sample No.: 9 A/S Pos: 32
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:04:51 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63175.8	0.996	µg/L		
Sc 361.384	249282.5	0.929	µg/L		
Al 308.215	14039.4	35.7649	µg/L	35.7649	µg/L
Sb 206.833	28.7	-1.43400	µg/L	-1.43400	µg/L
As 188.979	0.3	2.27591	µg/L	2.27591	µg/L
Ba 233.527	16045.7	145.914	µg/L	145.914	µg/L
Be 313.107	129.8	-0.0430178	µg/L	-0.0430178	µg/L
Cd 226.502	-72.6	-0.514833	µg/L	-0.514833	µg/L
Ca 430.253	20219.5	1460.88	µg/L	1460.88	µg/L
Ca 227.547	-25.8	1216.06	µg/L	1216.06	µg/L
Cr 205.560	-17.7	-0.230487	µg/L	-0.230487	µg/L
Co 228.616	45.0	0.701201	µg/L	0.701201	µg/L
Cu 324.754	2611.8	2.19150	µg/L	2.19150	µg/L
Fe 273.955	723576.0	16897.4	µg/L	16897.4	µg/L
Pb 220.353	105.3	3.63646	µg/L	3.63646	µg/L
Mg 279.079	9334.5	266.911	µg/L	266.911	µg/L
Mn 257.610	30895.9	39.9210	µg/L	39.9210	µg/L
Ni 231.604	43.2	0.151679	µg/L	0.151679	µg/L
K 766.491	22926.8	215.847	µg/L	215.847	µg/L
Se 196.026	13.3	-0.598414	µg/L	-0.598414	µg/L
Ag 338.289	-813.7	-2.02201	µg/L	-2.02201	µg/L
Na 330.237	-290.4	866.572	µg/L	866.572	µg/L
Tl 190.800	-43.8	-0.881109	µg/L	-0.881109	µg/L
V 292.402	-98.6	0.194397	µg/L	0.194397	µg/L
Zn 206.200	1050.2	13.2484	µg/L	13.2484	µg/L
Na 589.592	117601.5	376.124	µg/L	376.124	µg/L
Mo 202.030	2.7	-0.610617	µg/L	-0.610617	µg/L
B 182.527	-17.8	1.48426	µg/L	1.48426	µg/L

Mean Data ----------

ID: 242143-008S Seq. No.: 31 Sample No.: 10 A/S Pos: 33
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:08:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	62644.7	0.988	µg/L		
Sc 361.384	267175.4	0.996	µg/L		
Al 308.215	15629.4	167.041	µg/L	167.041	µg/L
Sb 206.833	51.6	11.0143	µg/L	11.0143	µg/L
As 188.979	110.5	69.7792	µg/L	69.7792	µg/L
Ba 233.527	552678.0	4987.69	µg/L	4987.69	µg/L
Be 313.107	-550.2	-0.530553	µg/L	-0.530553	µg/L
Cd 226.502	-59.8	-7.42302	µg/L	-7.42302	µg/L
Ca 430.253	202849.1	20190.3	µg/L	20190.3	µg/L
Ca 227.547	1434.1	20028.9	µg/L	20028.9	µg/L
Cr 205.560	-107.2	-3.25865	µg/L	-3.25865	µg/L
Co 228.616	235.3	6.77405	µg/L	6.77405	µg/L
Cu 324.754	-2231.4	-16.4674	µg/L	-16.4674	µg/L
Fe 273.955	10897293.3	254636	µg/L	254636	µg/L
Pb 220.353	271.8	29.4628	µg/L	29.4628	µg/L
Mg 279.079	35404.9	1342.68	µg/L	1342.68	µg/L
Mn 257.610	1190739.2	1559.30	µg/L	1559.30	µg/L
Ni 231.604	90.2	1.96521	µg/L	1.96521	µg/L
K 766.491	56920.7	347.697	µg/L	347.697	µg/L

- Run all add'l 11/5/04 C

Se 196.026	-53.2	-7.04229	µg/L	-7.04229	µg/L
Ag 338.289	-1673.4	-16.1618	µg/L	-16.1618	µg/L
Na 330.237	-475.8	136.363	µg/L	136.363	µg/L
Tl 190.800	-57.4	-8.59281	µg/L	-8.59281	µg/L
V 292.402	58.3	2.66027	µg/L	2.66027	µg/L
Zn 206.200	2053.0	28.4955	µg/L	28.4955	µg/L
Na 589.592	182689.7	536.756	µg/L	536.756	µg/L
Mo 202.030	-1.2	-1.02636	µg/L	-1.02636	µg/L
B 182.527	7.6	16.9194	µg/L	16.9194	µg/L

Mean Data ----------

ID: CCVM03AGCCV01 Seq. No.: 32 Sample No.: 11 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:13:03 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64077.1	1.010	µg/L		
Sc 361.384	248668.0	0.927	µg/L		
Al 308.215	13919.4	26.0942	µg/L		
Sb 206.833	14.6	-9.12490	µg/L		
As 188.979	-1.0	0.187069	µg/L		
Ba 233.527	5.9	1.19527	µg/L		
Be 313.107	219.8	0.0215089	µg/L		
Cd 226.502	-74.3	-0.0418045	µg/L		
Ca 430.253	9296.7	340.711	µg/L		
Ca 227.547	-120.2	-0.386703	µg/L		
Cr 205.560	-12.5	-0.0532095	µg/L		
Co 228.616	-37.5	-1.92897	µg/L		
Cu 324.754	41865.9	344.438	µg/L		
Fe 273.955	6438.8	139.364	µg/L		
Pb 220.353	61.6	-3.10183	µg/L		
Mg 279.079	2942.9	3.16867	µg/L		
Mn 257.610	936.0	0.679849	µg/L		
Ni 231.604	41.0	0.0690534	µg/L		
K 766.491	9613.4	164.210	µg/L		
Se 196.026	19.0	0.365040	µg/L		
Ag 338.289	18827.7	321.040	µg/L		
Na 330.237	-389.2	477.265	µg/L		
Tl 190.800	712.3	301.964	µg/L		
V 292.402	-159.0	-0.754759	µg/L		
Zn 206.200	262.4	1.24908	µg/L		
Na 589.592	14837.1	122.511	µg/L		
Mo 202.030	9862.3	1058.46	µg/L		
B 182.527	1796.1	1107.27	µg/L		

*QC exceeds upper limit for B 182.527 Recovery = 110.73% Action = Continue

Mean Data ----------

ID: CCVM04IRCCV01 Seq. No.: 33 Sample No.: 12 A/S Pos: 2
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:17:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	61389.7	0.968	µg/L		
Sc 361.384	239830.7	0.894	µg/L		
Al 308.215	205959.4	10139.8	µg/L		
Sb 206.833	965.5	509.293	µg/L		
As 188.979	-14.4	-5.59063	µg/L		
Ba 233.527	1266822.1	11431.1	µg/L		

*QC exceeds upper limit for Ba 233.527 Recovery = 114.31% Action = Continue

Be 313.107	368599.8	264.137	µg/L		
Cd 226.502	-3.1	0.457937	µg/L		
Ca 430.253	251117.4	25140.3	µg/L		
Ca 227.547	1814.1	24927.0	µg/L		
Cr 205.560	32464.5	1098.95	µg/L		
Co 228.616	81934.2	2613.18	µg/L		
Cu 324.754	149672.5	1289.48	µg/L		
Fe 273.955	222401.3	5185.37	µg/L		
Pb 220.353	95.9	2.92662	µg/L		
Mg 279.079	646729.7	36568.4	µg/L		
Mn 257.610	2090975.1	2737.99	µg/L		
Ni 231.604	68834.2	2650.74	µg/L		

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K 766.491	7891042.4	30733.3	µg/L
Se 196.026	30.0	6.39033	µg/L
Ag 338.289	48806.7	814.135	µg/L
Na 330.237	6236.5	26576.1	µg/L
Tl 190.800	-27.6	-0.631785	µg/L
V 292.402	162666.6	2557.79	µg/L
Zn 206.200	174173.2	2651.06	µg/L
Na 589.592	12589833.5	31156.5	µg/L
Mo 202.030	4616.4	494.976	µg/L
B 182.527	-6.2	8.51254	µg/L

Mean Data ----------

ID: CCVM02ISBCCV1 Seq. No.: 34 Sample No.: 13 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:21:40 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64536.2	1.018	µg/L		
Sc 361.384	265681.6	0.990	µg/L		
Al 308.215	13999.4	30.2861	µg/L		
Sb 206.833	991.6	523.507	µg/L		
As 188.979	2532.6	1060.96	µg/L		
Ba 233.527	237.7	3.28610	µg/L		
Be 313.107	389.8	0.143393	µg/L		
Cd 226.502	31924.2	562.974	µg/L		
*QC exceeds upper limit for Cd 226.502 Recovery = 112.59% Action = Continue					
Ca 430.253	9293.6	340.388	µg/L		
Ca 227.547	-112.0	105.032	µg/L		
Cr 205.560	-9.4	0.0515351	µg/L		
Co 228.616	55.8	1.04733	µg/L		
Cu 324.754	2894.5	2.98238	µg/L		
Fe 273.955	1966.1	34.8463	µg/L		
Pb 220.353	6690.3	1017.28	µg/L		
Mg 279.079	3186.2	13.2067	µg/L		
Mn 257.610	1228.6	1.06291	µg/L		
Ni 231.604	63.7	0.943429	µg/L		
K 766.491	17984.1	196.677	µg/L		
Se 196.026	2389.9	1105.10	µg/L		
*QC exceeds upper limit for Se 196.026 Recovery = 110.51% Action = Continue					
Ag 338.289	399.8	17.9369	µg/L		
Na 330.237	-480.2	118.919	µg/L		
Tl 190.800	2538.6	1033.36	µg/L		
V 292.402	-51.1	0.941622	µg/L		
Zn 206.200	374.5	2.95730	µg/L		
Na 589.592	24580.6	146.557	µg/L		
Mo 202.030	4830.2	517.939	µg/L		
B 182.527	-12.1	4.92199	µg/L		

Mean Data ----------

ID: CCB Seq. No.: 35 Sample No.: 14 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:25:34 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63998.0	1.009	µg/L		
Sc 361.384	254657.7	0.949	µg/L		
Al 308.215	13079.4	-18.1660	µg/L		
Sb 206.833	40.2	4.79665	µg/L		
As 188.979	3.0	1.85925	µg/L		
Ba 233.527	-128.1	-0.0140973	µg/L		
Be 313.107	154.8	-0.0250937	µg/L		
Cd 226.502	-66.0	0.107154	µg/L		
Ca 430.253	9222.4	333.087	µg/L		
Ca 227.547	-125.7	-71.5148	µg/L		
Cr 205.560	-13.5	-0.0860780	µg/L		
Co 228.616	25.9	0.0909402	µg/L		
Cu 324.754	2622.3	0.595078	µg/L		
Fe 273.955	794.2	7.45993	µg/L		
Pb 220.353	86.6	0.740109	µg/L		
Mg 279.079	2872.8	0.275821	µg/L		
Mn 257.610	462.1	0.0590875	µg/L		

Ni 231.604	38.6	-0.0236610	µg/L
K 766.491	11601.0	171.919	µg/L
Se 196.026	22.8	2.09389	µg/L
Ag 338.289	-645.0	0.752910	µg/L
Na 330.237	-444.6	259.287	µg/L
Tl 190.800	-39.7	0.816683	µg/L
V 292.402	-111.4	-0.0058413	µg/L
Zn 206.200	178.7	-0.0266773	µg/L
Na 589.592	14419.9	121.482	µg/L
Mo 202.030	30.2	2.34626	µg/L
B 182.527	-19.7	0.279821	µg/L

Mean Data

ID: 242143-010S Seq. No.: 36 Sample No.: 11 A/S Pos: 34
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:29:42 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	73124.1	1.153	µg/L		
Sc 361.384	266852.5	0.995	µg/L		
Al 308.215	480249.4	24601.9	µg/L	24601.9	µg/L
Sb 206.833	47.2	8.65627	µg/L	8.65627	µg/L
As 188.979	54.6	30.5841	µg/L	30.5841	µg/L
Ba 233.527	292179.3	2637.33	µg/L	2637.33	µg/L
Be 313.107	3012.3	2.02363	µg/L	2.02363	µg/L
Cd 226.502	356.0	4.63816	µg/L	4.63816	µg/L
Ca 430.253	463844.2	46956.3	µg/L	46956.3	µg/L
Ca 227.547	3460.8	46147.4	µg/L	46147.4	µg/L
Cr 205.560	2470.4	83.9654	µg/L	83.9654	µg/L
Co 228.616	862.3	26.7753	µg/L	26.7753	µg/L
Cu 324.754	84692.0	729.274	µg/L	729.274	µg/L
Fe 273.955	4122034.3	96312.5	µg/L	96312.5	µg/L
Pb 220.353	9630.4	1471.56	µg/L	1471.56	µg/L
Mg 279.079	346266.5	14170.1	µg/L	14170.1	µg/L
Mn 257.610	1305504.0	1709.32	µg/L	1709.32	µg/L
Ni 231.604	2312.4	87.5879	µg/L	87.5879	µg/L
K 766.491	1259633.1	5012.56	µg/L	5012.56	µg/L
Se 196.026	5.4	5.59458	µg/L	5.59458	µg/L
Ag 338.289	-407.3	4.66169	µg/L	4.66169	µg/L
Na 330.237	-209.3	1186.23	µg/L	1186.23	µg/L
Tl 190.800	-51.4	-5.22056	µg/L	-5.22056	µg/L
V 292.402	7955.3	126.749	µg/L	126.749	µg/L
Zn 206.200	134034.1	2039.70	µg/L	2039.70	µg/L
Na 589.592	465533.8	1234.79	µg/L	1234.79	µg/L
Mo 202.030	33.2	2.66720	µg/L	2.66720	µg/L
B 182.527	35.9	34.1942	µg/L	34.1942	µg/L

Mean Data

ID: 242128-001S Seq. No.: 37 Sample No.: 12 A/S Pos: 35
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:33:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	80294.8	1.266	µg/L		
Sc 361.384	255185.3	0.951	µg/L		
Al 308.215	1036199.4	53875.1	µg/L	53875.1	µg/L
Sb 206.833	38.7	3.98773	µg/L	3.98773	µg/L
As 188.979	871.2	369.401	µg/L	369.401	µg/L
Ba 233.527	38566.3	349.106	µg/L	349.106	µg/L
Be 313.107	3247.3	2.19212	µg/L	2.19212	µg/L
Cd 226.502	25.3	-0.771684	µg/L	-0.771684	µg/L
Ca 430.253	73249.6	6899.32	µg/L	6899.32	µg/L
Ca 227.547	408.0	6806.79	µg/L	6806.79	µg/L
Cr 205.560	1489.8	50.7827	µg/L	50.7827	µg/L
Co 228.616	968.6	30.1653	µg/L	30.1653	µg/L
Cu 324.754	10811.5	80.6074	µg/L	80.6074	µg/L
Fe 273.955	3536972.1	82640.7	µg/L	82640.7	µg/L
Pb 220.353	11169.2	1709.50	µg/L	1709.50	µg/L
Mg 279.079	274661.4	11215.4	µg/L	11215.4	µg/L
Mn 257.610	3997319.7	5235.70	µg/L	5235.70	µg/L
Ni 231.604	1447.0	54.2418	µg/L	54.2418	µg/L

K 766.491	692313.5	2812.14	µg/L	2812.14	µg/L
Se 196.026	14.9	7.24369	µg/L	7.24369	µg/L
Ag 338.289	-698.6	-0.129487	µg/L	-0.129487	µg/L
Na 330.237	-421.7	349.542	µg/L	349.542	µg/L
Tl 190.800	-52.5	-9.30036	µg/L	-9.30036	µg/L
V 292.402	5223.5	83.8229	µg/L	83.8229	µg/L
Zn 206.200	24996.3	377.850	µg/L	377.850	µg/L
Na 589.592	63092.8	241.602	µg/L	241.602	µg/L
Mo 202.030	13.6	0.563634	µg/L	0.563634	µg/L
B 182.527	-12.2	4.86733	µg/L	4.86733	µg/L

Mean Data ----------

ID: 242128-002S Seq. No.: 38 Sample No.: 13 A/S Pos: 36
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:38:17 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	77469.9	1.222	µg/L		
Sc 361.384	257440.1	0.960	µg/L		
Al 308.215	907874.4	47115.0	µg/L	47115.0	µg/L
Sb 206.833	31.3	-0.0327136	µg/L	-0.0327136	µg/L
As 188.979	436.8	186.766	µg/L	186.766	µg/L
Ba 233.527	32249.8	292.116	µg/L	292.116	µg/L
Be 313.107	2754.8	1.83901	µg/L	1.83901	µg/L
Cd 226.502	12.6	-0.601587	µg/L	-0.601587	µg/L
Ca 430.253	150740.9	14846.4	µg/L	14846.4	µg/L
Ca 227.547	1031.4	14840.5	µg/L	14840.5	µg/L
Cr 205.560	1392.8	47.5012	µg/L	47.5012	µg/L
Co 228.616	860.1	26.7049	µg/L	26.7049	µg/L
Cu 324.754	13389.3	101.884	µg/L	101.884	µg/L
Fe 273.955	2977084.8	69557.3	µg/L	69557.3	µg/L
Pb 220.353	4905.3	744.999	µg/L	744.999	µg/L
Mg 279.079	302992.6	12384.4	µg/L	12384.4	µg/L
Mn 257.610	2549020.7	3338.39	µg/L	3338.39	µg/L
Ni 231.604	1423.3	53.3303	µg/L	53.3303	µg/L
K 766.491	790710.8	3193.79	µg/L	3193.79	µg/L
Se 196.026	14.7	6.08530	µg/L	6.08530	µg/L
Ag 338.289	-644.8	0.756033	µg/L	0.756033	µg/L
Na 330.237	-402.6	424.773	µg/L	424.773	µg/L
Tl 190.800	-52.0	-6.58446	µg/L	-6.58446	µg/L
V 292.402	4452.5	71.7078	µg/L	71.7078	µg/L
Zn 206.200	26193.2	396.053	µg/L	396.053	µg/L
Na 589.592	74690.7	270.224	µg/L	270.224	µg/L
Mo 202.030	11.8	0.371937	µg/L	0.371937	µg/L
B 182.527	-16.0	2.56677	µg/L	2.56677	µg/L

Mean Data ----------

ID: 242128-003S Seq. No.: 39 Sample No.: 14 A/S Pos: 37
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:42:33 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	73900.5	1.165	µg/L		
Sc 361.384	251289.6	0.937	µg/L		
Al 308.215	593499.4	30555.3	µg/L	30555.3	µg/L
Sb 206.833	29.3	-1.14864	µg/L	-1.14864	µg/L
As 188.979	185.6	80.4148	µg/L	80.4148	µg/L
Ba 233.527	21290.4	193.235	µg/L	193.235	µg/L
Be 313.107	1934.8	1.25110	µg/L	1.25110	µg/L
Cd 226.502	6.6	0.0370869	µg/L	0.0370869	µg/L
Ca 430.253	106800.0	10340.0	µg/L	10340.0	µg/L
Ca 227.547	685.8	10386.4	µg/L	10386.4	µg/L
Cr 205.560	997.8	34.1346	µg/L	34.1346	µg/L
Co 228.616	589.1	18.0600	µg/L	18.0600	µg/L
Cu 324.754	8631.2	57.7226	µg/L	57.7226	µg/L
Fe 273.955	1918360.4	44817.1	µg/L	44817.1	µg/L
Pb 220.353	4400.2	666.380	µg/L	666.380	µg/L
Mg 279.079	214583.6	8736.33	µg/L	8736.33	µg/L
Mn 257.610	1575053.1	2062.57	µg/L	2062.57	µg/L
Ni 231.604	1080.5	40.1198	µg/L	40.1198	µg/L
K 766.491	641003.1	2613.13	µg/L	2613.13	µg/L

Se 196.026	13.3	2.70448	µg/L	2.70448	µg/L
Ag 338.289	-386.7	5.00065	µg/L	5.00065	µg/L
Na 330.237	-386.8	486.738	µg/L	486.738	µg/L
Tl 190.800	-49.4	-4.52241	µg/L	-4.52241	µg/L
V 292.402	2906.0	47.4075	µg/L	47.4075	µg/L
Zn 206.200	18817.0	283.752	µg/L	283.752	µg/L
Na 589.592	86646.8	299.731	µg/L	299.731	µg/L
Mo 202.030	7.9	-0.0481575	µg/L	-0.0481575	µg/L
B 182.527	-9.8	6.33390	µg/L	6.33390	µg/L

Mean Data ----------

ID: 242128-004S Seq. No.: 40 Sample No.: 15 A/S Pos: 38
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:46:49 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	73314.9	1.156	µg/L		
Sc 361.384	259750.2	0.968	µg/L		
Al 308.215	712974.4	36850.3	µg/L	36850.3	µg/L
Sb 206.833	29.3	-1.10664	µg/L	-1.10664	µg/L
As 188.979	137.8	61.6124	µg/L	61.6124	µg/L
Ba 233.527	30250.4	274.076	µg/L	274.076	µg/L
Be 313.107	2157.3	1.41063	µg/L	1.41063	µg/L
Cd 226.502	-15.1	-0.873071	µg/L	-0.873071	µg/L
Ca 430.253	80267.2	7619.01	µg/L	7619.01	µg/L
Ca 227.547	466.5	7560.26	µg/L	7560.26	µg/L
Cr 205.560	1171.9	40.0250	µg/L	40.0250	µg/L
Co 228.616	824.6	25.5715	µg/L	25.5715	µg/L
Cu 324.754	8683.1	59.9304	µg/L	59.9304	µg/L
Fe 273.955	2668710.0	62351.2	µg/L	62351.2	µg/L
Pb 220.353	1855.4	274.942	µg/L	274.942	µg/L
Mg 279.079	282429.8	11535.9	µg/L	11535.9	µg/L
Mn 257.610	1680482.8	2200.62	µg/L	2200.62	µg/L
Ni 231.604	1440.7	54.0007	µg/L	54.0007	µg/L
K 766.491	620451.7	2533.42	µg/L	2533.42	µg/L
Se 196.026	6.4	1.16737	µg/L	1.16737	µg/L
Ag 338.289	-560.5	2.14312	µg/L	2.14312	µg/L
Na 330.237	-391.2	469.713	µg/L	469.713	µg/L
Tl 190.800	-49.7	-4.54107	µg/L	-4.54107	µg/L
V 292.402	3816.7	61.7178	µg/L	61.7178	µg/L
Zn 206.200	19422.4	292.882	µg/L	292.882	µg/L
Na 589.592	54659.3	220.789	µg/L	220.789	µg/L
Mo 202.030	2.3	-0.655233	µg/L	-0.655233	µg/L
B 182.527	-14.2	3.64033	µg/L	3.64033	µg/L

Mean Data ----------

ID: 242128-005S Seq. No.: 41 Sample No.: 16 A/S Pos: 39
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:51:06 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	76925.4	1.213	µg/L		
Sc 361.384	259111.1	0.966	µg/L		
Al 308.215	1028249.4	53456.0	µg/L	53456.0	µg/L
Sb 206.833	32.9	0.826848	µg/L	0.826848	µg/L
As 188.979	1231.0	519.847	µg/L	519.847	µg/L
Ba 233.527	30506.3	276.385	µg/L	276.385	µg/L
Be 313.107	2834.8	1.89637	µg/L	1.89637	µg/L
Cd 226.502	12.2	-0.927472	µg/L	-0.927472	µg/L
Ca 430.253	70275.3	6594.30	µg/L	6594.30	µg/L
Ca 227.547	378.7	6428.43	µg/L	6428.43	µg/L
Cr 205.560	1473.4	50.2301	µg/L	50.2301	µg/L
Co 228.616	898.1	27.9179	µg/L	27.9179	µg/L
Cu 324.754	14358.3	111.436	µg/L	111.436	µg/L
Fe 273.955	3431422.1	80174.3	µg/L	80174.3	µg/L
Pb 220.353	11863.1	1816.29	µg/L	1816.29	µg/L
Mg 279.079	281659.1	11504.1	µg/L	11504.1	µg/L
Mn 257.610	2515881.5	3295.00	µg/L	3295.00	µg/L
Ni 231.604	1367.3	51.1707	µg/L	51.1707	µg/L
K 766.491	642408.1	2618.58	µg/L	2618.58	µg/L
Se 196.026	0.7	0.342442	µg/L	0.342442	µg/L

Ag 338.289	-875.2	-3.03377	µg/L	-3.03377	µg/L
Na 330.237	-406.8	408.041	µg/L	408.041	µg/L
Tl 190.800	-53.0	-6.61479	µg/L	-6.61479	µg/L
V 292.402	5107.0	81.9924	µg/L	81.9924	µg/L
Zn 206.200	23187.8	350.275	µg/L	350.275	µg/L
Na 589.592	63794.1	243.333	µg/L	243.333	µg/L
Mo 202.030	10.9	0.274554	µg/L	0.274554	µg/L
B 182.527	-15.3	2.98965	µg/L	2.98965	µg/L

Mean Data ----------

ID: 242128-006S Seq. No.: 42 Sample No.: 17 A/S Pos: 40
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:55:21 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	74585.9	1.176	µg/L		
Sc 361.384	259814.4	0.968	µg/L		
Al 308.215	860849.4	44639.6	µg/L	44639.6	µg/L
Sb 206.833	35.0	1.97936	µg/L	1.97936	µg/L
As 188.979	304.7	132.052	µg/L	132.052	µg/L
Ba 233.527	23438.1	212.613	µg/L	212.613	µg/L
Be 313.107	2737.3	1.82647	µg/L	1.82647	µg/L
Cd 226.502	3.4	-0.900613	µg/L	-0.900613	µg/L
Ca 430.253	90380.7	8656.19	µg/L	8656.19	µg/L
Ca 227.547	540.2	8509.84	µg/L	8509.84	µg/L
Cr 205.560	1489.7	50.7787	µg/L	50.7787	µg/L
Co 228.616	1152.5	36.0325	µg/L	36.0325	µg/L
Cu 324.754	12796.8	97.1395	µg/L	97.1395	µg/L
Fe 273.955	3168147.2	74022.1	µg/L	74022.1	µg/L
Pb 220.353	4681.6	710.380	µg/L	710.380	µg/L
Mg 279.079	323117.3	13214.9	µg/L	13214.9	µg/L
Mn 257.610	1680382.1	2200.44	µg/L	2200.44	µg/L
Ni 231.604	1668.1	62.7595	µg/L	62.7595	µg/L
K 766.491	760061.0	3074.91	µg/L	3074.91	µg/L
Se 196.026	1.7	0.254688	µg/L	0.254688	µg/L
Ag 338.289	579.9	20.9006	µg/L	20.9006	µg/L
Na 330.237	-421.0	352.212	µg/L	352.212	µg/L
Tl 190.800	-48.5	-3.61794	µg/L	-3.61794	µg/L
V 292.402	4397.2	70.8396	µg/L	70.8396	µg/L
Zn 206.200	25985.0	392.850	µg/L	392.850	µg/L
Na 589.592	70952.7	260.999	µg/L	260.999	µg/L
Mo 202.030	2.7	-0.606484	µg/L	-0.606484	µg/L
B 182.527	-16.9	2.03943	µg/L	2.03943	µg/L

Mean Data ----------

ID: 242128-007S Seq. No.: 43 Sample No.: 18 A/S Pos: 41
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 2:59:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	75150.0	1.185	µg/L		
Sc 361.384	267849.9	0.998	µg/L		
Al 308.215	760324.4	39344.8	µg/L	39344.8	µg/L
Sb 206.833	32.2	0.471781	µg/L	0.471781	µg/L
As 188.979	496.8	212.234	µg/L	212.234	µg/L
Ba 233.527	24906.4	225.860	µg/L	225.860	µg/L
Be 313.107	2422.3	1.60062	µg/L	1.60062	µg/L
Cd 226.502	-4.8	-0.855413	µg/L	-0.855413	µg/L
Ca 430.253	116763.9	11361.9	µg/L	11361.9	µg/L
Ca 227.547	760.7	11351.7	µg/L	11351.7	µg/L
Cr 205.560	1329.8	45.3675	µg/L	45.3675	µg/L
Co 228.616	957.9	29.8255	µg/L	29.8255	µg/L
Cu 324.754	9647.7	68.9210	µg/L	68.9210	µg/L
Fe 273.955	2899472.4	67743.7	µg/L	67743.7	µg/L
Pb 220.353	12900.6	1975.33	µg/L	1975.33	µg/L
Mg 279.079	302360.9	12358.4	µg/L	12358.4	µg/L
Mn 257.610	2446816.0	3204.50	µg/L	3204.50	µg/L
Ni 231.604	1535.1	57.6372	µg/L	57.6372	µg/L
K 766.491	605057.7	2473.71	µg/L	2473.71	µg/L
Se 196.026	12.7	4.83558	µg/L	4.83558	µg/L
Ag 338.289	-286.8	6.64471	µg/L	6.64471	µg/L

Na 330.237	-401.1	430.616	µg/L	430.616	µg/L
Tl 190.800	-51.3	-6.54263	µg/L	-6.54263	µg/L
V 292.402	4612.2	74.2180	µg/L	74.2180	µg/L
Zn 206.200	25296.4	382.385	µg/L	382.385	µg/L
Na 589.592	50903.2	211.519	µg/L	211.519	µg/L
Mo 202.030	1.2	-0.765240	µg/L	-0.765240	µg/L
B 182.527	-18.0	1.36619	µg/L	1.36619	µg/L

Mean Data ----------

ID: 242128-008S Seq. No.: 44 Sample No.: 19 A/S Pos: 42
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:03:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	76662.2	1.209	µg/L		
Sc 361.384	251350.6	0.937	µg/L		
Al 308.215	568974.4	29263.9	µg/L	29263.9	µg/L
Sb 206.833	43.2	6.43984	µg/L	6.43984	µg/L
As 188.979	1555.7	654.183	µg/L	654.183	µg/L
Ba 233.527	39465.7	357.222	µg/L	357.222	µg/L
Be 313.107	2067.3	1.34610	µg/L	1.34610	µg/L
Cd 226.502	100.9	1.68549	µg/L	1.68549	µg/L
Ca 430.253	348600.2	35137.6	µg/L	35137.6	µg/L
Ca 227.547	2643.8	35618.0	µg/L	35618.0	µg/L
Cr 205.560	1492.7	50.8809	µg/L	50.8809	µg/L
Co 228.616	536.8	16.3917	µg/L	16.3917	µg/L
Cu 324.754	19569.4	153.591	µg/L	153.591	µg/L
Fe 273.955	1932947.9	45158.0	µg/L	45158.0	µg/L
Pb 220.353	92254.2	14190.3	µg/L	14190.3	µg/L
Mg 279.079	321871.1	13163.4	µg/L	13163.4	µg/L
Mn 257.610	2639324.7	3456.67	µg/L	3456.67	µg/L
Ni 231.604	1357.8	50.8058	µg/L	50.8058	µg/L
K 766.491	463573.0	1924.95	µg/L	1924.95	µg/L
Se 196.026	28.9	11.0076	µg/L	11.0076	µg/L
Ag 338.289	-579.3	1.83403	µg/L	1.83403	µg/L
Na 330.237	-329.9	711.016	µg/L	711.016	µg/L
Tl 190.800	-51.6	-7.63476	µg/L	-7.63476	µg/L
V 292.402	5917.9	94.7350	µg/L	94.7350	µg/L
Zn 206.200	50884.3	772.366	µg/L	772.366	µg/L
Na 589.592	111943.1	362.160	µg/L	362.160	µg/L
Mo 202.030	12.6	0.453269	µg/L	0.453269	µg/L
B 182.527	-10.1	6.17966	µg/L	6.17966	µg/L

Mean Data ----------

ID: 242128-009S Seq. No.: 45 Sample No.: 20 A/S Pos: 43
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:08:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	73998.6	1.167	µg/L		
Sc 361.384	264571.8	0.986	µg/L		
Al 308.215	764874.4	39583.9	µg/L	39583.9	µg/L
Sb 206.833	30.0	-0.740264	µg/L	-0.740264	µg/L
As 188.979	377.8	162.167	µg/L	162.167	µg/L
Ba 233.527	22503.4	204.179	µg/L	204.179	µg/L
Be 313.107	2292.3	1.50742	µg/L	1.50742	µg/L
Cd 226.502	-1.2	-0.716083	µg/L	-0.716083	µg/L
Ca 430.253	62628.7	5810.11	µg/L	5810.11	µg/L
Ca 227.547	314.8	5605.82	µg/L	5605.82	µg/L
Cr 205.560	1264.5	43.1593	µg/L	43.1593	µg/L
Co 228.616	832.2	25.8145	µg/L	25.8145	µg/L
Cu 324.754	11803.1	87.5574	µg/L	87.5574	µg/L
Fe 273.955	2793272.5	65262.0	µg/L	65262.0	µg/L
Pb 220.353	7726.5	1178.82	µg/L	1178.82	µg/L
Mg 279.079	282605.6	11543.2	µg/L	11543.2	µg/L
Mn 257.610	1925555.6	2521.66	µg/L	2521.66	µg/L
Ni 231.604	1448.6	54.3025	µg/L	54.3025	µg/L
K 766.491	552749.1	2270.83	µg/L	2270.83	µg/L
Se 196.026	14.0	4.92900	µg/L	4.92900	µg/L
Ag 338.289	-559.4	2.16087	µg/L	2.16087	µg/L
Na 330.237	-387.7	483.190	µg/L	483.190	µg/L

Tl 190.800	-53.6	-6.42689	µg/L	-6.42689	µg/L
V 292.402	4336.0	69.8769	µg/L	69.8769	µg/L
Zn 206.200	22742.2	343.481	µg/L	343.481	µg/L
Na 589.592	46458.5	200.550	µg/L	200.550	µg/L
Mo 202.030	13.9	0.591725	µg/L	0.591725	µg/L
B 182.527	-19.0	0.745382	µg/L	0.745382	µg/L

Mean Data ----------

ID: CCVM03AGCCV01 Seq. No.: 46 Sample No.: 11 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:12:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64400.0	1.016	µg/L		
Sc 361.384	248560.0	0.926	µg/L		
Al 308.215	14409.4	51.8860	µg/L		
Sb 206.833	15.4	-8.69253	µg/L		
As 188.979	4.5	2.50467	µg/L		
Ba 233.527	-70.3	0.507363	µg/L		
Be 313.107	244.8	0.0394330	µg/L		
Cd 226.502	-78.4	-0.112286	µg/L		
Ca 430.253	9385.2	349.784	µg/L		
Ca 227.547	-121.4	-15.0128	µg/L		
Cr 205.560	-13.8	-0.0984360	µg/L		
Co 228.616	-25.4	-1.54592	µg/L		
Cu 324.754	42421.6	349.301	µg/L		
Fe 273.955	4024.1	82.9374	µg/L		
Pb 220.353	111.5	4.57737	µg/L		
Mg 279.079	4366.2	61.9005	µg/L		
Mn 257.610	2358.7	2.54217	µg/L		
Ni 231.604	54.2	0.574904	µg/L		
K 766.491	12357.5	174.853	µg/L		
Se 196.026	18.3	0.0031086	µg/L		
Ag 338.289	18659.8	318.279	µg/L		
Na 330.237	-396.2	449.726	µg/L		
Tl 190.800	713.3	302.372	µg/L		
V 292.402	-156.6	-0.715683	µg/L		
Zn 206.200	309.9	1.97092	µg/L		
Na 589.592	13940.1	120.297	µg/L		
Mo 202.030	9912.0	1063.80	µg/L		
B 182.527	1801.1	1110.36	µg/L		

*QC exceeds upper limit for B 182.527 Recovery = 111.04% Action = Continue

Mean Data ----------

ID: CCVM04IRCCV01 Seq. No.: 47 Sample No.: 12 A/S Pos: 2
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:16:26 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	61978.0	0.977	µg/L		
Sc 361.384	242552.8	0.904	µg/L		
Al 308.215	206686.9	10178.1	µg/L		
Sb 206.833	966.6	509.913	µg/L		
As 188.979	-14.3	-5.55057	µg/L		
Ba 233.527	1291305.5	11652.0	µg/L		

*QC exceeds upper limit for Ba 233.527 Recovery = 116.52% Action = Continue

Be 313.107	369699.8	264.925	µg/L		
Cd 226.502	-9.6	0.346474	µg/L		
Ca 430.253	251993.3	25230.2	µg/L		
Ca 227.547	1826.7	25088.8	µg/L		
Cr 205.560	32505.9	1100.35	µg/L		
Co 228.616	81412.0	2596.52	µg/L		
Cu 324.754	152339.6	1312.85	µg/L		
Fe 273.955	222465.0	5187.46	µg/L		
Pb 220.353	118.2	6.35584	µg/L		
Mg 279.079	653146.3	26833.2	µg/L		
Mn 257.610	2115026.4	2769.49	µg/L		

*QC exceeds upper limit for Mn 257.610 Recovery = 110.78% Action = Continue

Ni 231.604	68645.8	2643.48	µg/L		
K 766.491	7879521.5	30688.6	µg/L		
Se 196.026	24.1	3.60611	µg/L		

Ag 338.289	47864.1	798.631	µg/L
Na 330.237	6332.1	26952.3	µg/L
Tl 190.800	-27.1	-0.438165	µg/L
V 292.402	160389.4	2522.00	µg/L
Zn 206.200	174811.6	2660.78	µg/L
Na 589.592	12639471.3	31279.0	µg/L
Mo 202.030	4682.1	502.033	µg/L
B 182.527	-9.0	6.85921	µg/L

Mean Data ----------

ID: CCVM02ISBCCV1 Seq. No.: 48 Sample No.: 13 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:20:41 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64230.8	1.013	µg/L		
Sc 361.384	260799.1	0.972	µg/L		
Al 308.215	14154.4	38.4468	µg/L		
Sb 206.833	1022.9	540.599	µg/L		
As 188.979	2606.7	1091.96	µg/L		
Ba 233.527	336.2	4.17541	µg/L		
Be 313.107	344.8	0.111129	µg/L		
Cd 226.502	32558.4	574.134	µg/L		
*QC exceeds upper limit for Cd 226.502 Recovery = 114.83% Action = Continue					
Ca 430.253	9289.9	340.009	µg/L		
Ca 227.547	-113.4	86.8148	µg/L		
Cr 205.560	-3.8	0.239383	µg/L		
Co 228.616	63.2	1.28279	µg/L		
Cu 324.754	2929.5	3.28831	µg/L		
Fe 273.955	1658.6	27.6606	µg/L		
Pb 220.353	6881.0	1046.64	µg/L		
Mg 279.079	3312.8	18.4342	µg/L		
Mn 257.610	1458.7	1.36427	µg/L		
Ni 231.604	75.7	1.40286	µg/L		
K 766.491	18863.4	200.087	µg/L		
Se 196.026	2438.5	1127.74	µg/L		
*QC exceeds upper limit for Se 196.026 Recovery = 112.77% Action = Continue					
Ag 338.289	452.9	18.8110	µg/L		
Na 330.237	-448.4	244.348	µg/L		
Tl 190.800	2568.9	1045.48	µg/L		
V 292.402	-67.1	0.690291	µg/L		
Zn 206.200	392.8	3.23656	µg/L		
Na 589.592	22620.8	141.720	µg/L		
Mo 202.030	4968.6	532.803	µg/L		
B 182.527	-14.7	3.33938	µg/L		

Mean Data ----------

ID: CCB Seq. No.: 49 Sample No.: 14 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:24:35 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63619.5	1.003	µg/L		
Sc 361.384	256767.7	0.957	µg/L		
Al 308.215	13164.4	-13.6896	µg/L		
Sb 206.833	40.2	4.82823	µg/L		
As 188.979	6.8	3.45762	µg/L		
Ba 233.527	-94.4	0.290390	µg/L		
Be 313.107	159.8	-0.0215089	µg/L		
Cd 226.502	-68.8	0.0574245	µg/L		
Ca 430.253	9146.9	325.348	µg/L		
Ca 227.547	-120.7	-6.85610	µg/L		
Cr 205.560	-17.0	-0.205903	µg/L		
Co 228.616	21.9	-0.0346576	µg/L		
Cu 324.754	2655.9	0.889228	µg/L		
Fe 273.955	856.5	8.91582	µg/L		
Pb 220.353	92.7	1.67924	µg/L		
Mg 279.079	2956.1	3.71377	µg/L		
Mn 257.610	594.8	0.232821	µg/L		
Ni 231.604	49.2	0.383190	µg/L		
K 766.491	11730.7	172.422	µg/L		

Se 196.026	22.9	2.17638	µg/L
Ag 338.289	-665.5	0.415450	µg/L
Na 330.237	-428.9	321.042	µg/L
Tl 190.800	-42.1	-0.146485	µg/L
V 292.402	-113.2	-0.0345197	µg/L
Zn 206.200	187.6	0.108679	µg/L
Na 589.592	12557.1	116.884	µg/L
Mo 202.030	27.0	2.00442	µg/L
B 182.527	-22.7	-1.53669	µg/L

Mean Data

ID: 242128-010S Seq. No.: 50 Sample No.: 21 A/S Pos: 44
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:28:39 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	73940.2	1.166	µg/L		
Sc 361.384	272059.2	1.014	µg/L		
Al 308.215	876874.4	45484.7	µg/L	45484.7	µg/L
Sb 206.833	40.3	4.85739	µg/L	4.85739	µg/L
As 188.979	499.9	214.291	µg/L	214.291	µg/L
Ba 233.527	20679.2	187.720	µg/L	187.720	µg/L
Be 313.107	2529.8	1.67770	µg/L	1.67770	µg/L
Cd 226.502	-9.5	-1.31517	µg/L	-1.31517	µg/L
Ca 430.253	75395.3	7119.37	µg/L	7119.37	µg/L
Ca 227.547	419.6	6956.59	µg/L	6956.59	µg/L
Cr 205.560	1477.4	50.3631	µg/L	50.3631	µg/L
Co 228.616	1003.6	31.2827	µg/L	31.2827	µg/L
Cu 324.754	9596.1	69.7288	µg/L	69.7288	µg/L
Fe 273.955	3438809.6	80346.9	µg/L	80346.9	µg/L
Pb 220.353	8747.0	1336.21	µg/L	1336.21	µg/L
Mg 279.079	361899.5	14815.2	µg/L	14815.2	µg/L
Mn 257.610	2205305.4	2888.06	µg/L	2888.06	µg/L
Ni 231.604	1739.6	65.5166	µg/L	65.5166	µg/L
K 766.491	650338.3	2649.34	µg/L	2649.34	µg/L
Se 196.026	7.3	3.43128	µg/L	3.43128	µg/L
Ag 338.289	-855.6	-2.71118	µg/L	-2.71118	µg/L
Na 330.237	-393.2	461.868	µg/L	461.868	µg/L
Tl 190.800	-49.6	-5.07369	µg/L	-5.07369	µg/L
V 292.402	5274.2	84.6205	µg/L	84.6205	µg/L
Zn 206.200	23899.8	361.012	µg/L	361.012	µg/L
Na 589.592	54699.2	220.887	µg/L	220.887	µg/L
Mo 202.030	8.8	0.0430737	µg/L	0.0430737	µg/L
B 182.527	-17.7	1.55173	µg/L	1.55173	µg/L

Mean Data

ID: 242128-011S Seq. No.: 51 Sample No.: 22 A/S Pos: 45
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:32:50 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	75122.4	1.185	µg/L		
Sc 361.384	261667.4	0.975	µg/L		
Al 308.215	706449.4	36507.4	µg/L	36507.4	µg/L
Sb 206.833	39.9	4.63567	µg/L	4.63567	µg/L
As 188.979	1242.9	524.606	µg/L	524.606	µg/L
Ba 233.527	28160.1	255.217	µg/L	255.217	µg/L
Be 313.107	2267.3	1.48949	µg/L	1.48949	µg/L
Cd 226.502	5.7	-0.607478	µg/L	-0.607478	µg/L
Ca 430.253	71564.6	6726.52	µg/L	6726.52	µg/L
Ca 227.547	398.2	6680.21	µg/L	6680.21	µg/L
Cr 205.560	1316.6	44.9215	µg/L	44.9215	µg/L
Co 228.616	820.6	25.4461	µg/L	25.4461	µg/L
Cu 324.754	15558.8	120.509	µg/L	120.509	µg/L
Fe 273.955	2813072.4	65724.7	µg/L	65724.7	µg/L
Pb 220.353	19801.4	3037.42	µg/L	3037.42	µg/L
Mg 279.079	282989.8	11559.0	µg/L	11559.0	µg/L
Mn 257.610	1855015.1	2429.25	µg/L	2429.25	µg/L
Ni 231.604	1468.2	55.0609	µg/L	55.0609	µg/L
K 766.491	594324.8	2432.08	µg/L	2432.08	µg/L
Se 196.026	8.7	2.53438	µg/L	2.53438	µg/L

Ag 338.289	-864.8	-2.86254	µg/L	-2.86254	µg/L
Na 330.237	-432.3	307.857	µg/L	307.857	µg/L
Tl 190.800	-50.7	-5.29580	µg/L	-5.29580	µg/L
V 292.402	4009.0	64.7388	µg/L	64.7388	µg/L
Zn 206.200	26140.7	395.281	µg/L	395.281	µg/L
Na 589.592	53539.3	218.025	µg/L	218.025	µg/L
Mo 202.030	7.8	-0.0601992	µg/L	-0.0601992	µg/L
B 182.527	-19.2	0.596020	µg/L	0.596020	µg/L

Mean Data ----------

ID: 242128-012S Seq. No.: 52 Sample No.: 21 A/S Pos: 46
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:37:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	76492.7	1.206	µg/L		
Sc 361.384	255171.7	0.951	µg/L		
Al 308.215	584149.4	30064.5	µg/L	30064.5	µg/L
Sb 206.833	42.2	5.91370	µg/L	5.91370	µg/L
As 188.979	1314.4	553.768	µg/L	553.768	µg/L
Ba 233.527	32481.0	294.202	µg/L	294.202	µg/L
Be 313.107	2222.3	1.45723	µg/L	1.45723	µg/L
Cd 226.502	45.9	0.490965	µg/L	0.490965	µg/L
Ca 430.253	117198.4	11406.4	µg/L	11406.4	µg/L
Ca 227.547	784.8	11662.3	µg/L	11662.3	µg/L
Cr 205.560	1232.7	42.0838	µg/L	42.0838	µg/L
Co 228.616	697.5	21.5180	µg/L	21.5180	µg/L
Cu 324.754	16752.7	129.667	µg/L	129.667	µg/L
Fe 273.955	2256022.8	52707.6	µg/L	52707.6	µg/L
Pb 220.353	56493.8	8685.38	µg/L	8685.38	µg/L
Mg 279.079	220184.8	8967.46	µg/L	8967.46	µg/L
Mn 257.610	2652974.7	3474.65	µg/L	3474.65	µg/L
Ni 231.604	1315.2	49.1646	µg/L	49.1646	µg/L
K 766.491	447897.2	1864.15	µg/L	1864.15	µg/L
Se 196.026	18.5	5.99122	µg/L	5.99122	µg/L
Ag 338.289	-747.0	-0.925266	µg/L	-0.925266	µg/L
Na 330.237	-410.4	393.896	µg/L	393.896	µg/L
Tl 190.800	-49.5	-6.74361	µg/L	-6.74361	µg/L
V 292.402	5198.7	83.4336	µg/L	83.4336	µg/L
Zn 206.200	26045.3	393.917	µg/L	393.917	µg/L
Na 589.592	54304.3	219.913	µg/L	219.913	µg/L
Mo 202.030	103.0	10.1627	µg/L	10.1627	µg/L
B 182.527	-18.2	1.19305	µg/L	1.19305	µg/L

Mean Data ----------

ID: 242128-013S Seq. No.: 53 Sample No.: 24 A/S Pos: 47
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:41:18 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	76874.1	1.212	µg/L		
Sc 361.384	252982.7	0.943	µg/L		
Al 308.215	393329.4	20012.7	µg/L	20012.7	µg/L
Sb 206.833	43.3	6.51076	µg/L	6.51076	µg/L
As 188.979	498.7	211.382	µg/L	211.382	µg/L
Ba 233.527	27934.9	253.184	µg/L	253.184	µg/L
Be 313.107	1749.8	1.11846	µg/L	1.11846	µg/L
Cd 226.502	41.9	0.922383	µg/L	0.922383	µg/L
Ca 430.253	84266.8	8029.18	µg/L	8029.18	µg/L
Ca 227.547	515.8	8195.74	µg/L	8195.74	µg/L
Cr 205.560	806.2	27.6505	µg/L	27.6505	µg/L
Co 228.616	509.8	15.5282	µg/L	15.5282	µg/L
Cu 324.754	10913.3	76.8332	µg/L	76.8332	µg/L
Fe 273.955	1540448.1	35986.0	µg/L	35986.0	µg/L
Pb 220.353	18936.5	2903.47	µg/L	2903.47	µg/L
Mg 279.079	143871.8	5818.47	µg/L	5818.47	µg/L
Mn 257.610	2310010.0	3025.45	µg/L	3025.45	µg/L
Ni 231.604	1145.6	42.6299	µg/L	42.6299	µg/L
K 766.491	386877.5	1627.47	µg/L	1627.47	µg/L
Se 196.026	21.3	5.39306	µg/L	5.39306	µg/L
Ag 338.289	-561.2	2.13074	µg/L	2.13074	µg/L

Na 330.237	-369.8	553.750	µg/L	553.750	µg/L
Tl 190.800	-53.0	-8.04260	µg/L	-8.04260	µg/L
V 292.402	4396.9	70.8349	µg/L	70.8349	µg/L
Zn 206.200	28159.6	426.254	µg/L	426.254	µg/L
Na 589.592	44962.0	196.857	µg/L	196.857	µg/L
Mo 202.030	16.5	0.874905	µg/L	0.874905	µg/L
B 182.527	-13.7	3.95876	µg/L	3.95876	µg/L

Mean Data ----------

ID: 242177-001S Seq. No.: 54 Sample No.: 25 A/S Pos: 48
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:45:30 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64101.5	1.011	µg/L		
Sc 361.384	237658.9	0.886	µg/L		
Al 308.215	127661.9	6016.85	µg/L	6016.85	µg/L
Sb 206.833	67.1	19.4764	µg/L	19.4764	µg/L
As 188.979	5.8	3.18244	µg/L	3.18244	µg/L
Ba 233.527	23057.4	209.178	µg/L	209.178	µg/L
Be 313.107	354.8	0.118299	µg/L	0.118299	µg/L
Cd 226.502	-43.0	0.334000	µg/L	0.334000	µg/L
Ca 430.253	132128.4	12937.6	µg/L	12937.6	µg/L
Ca 227.547	936.8	13621.6	µg/L	13621.6	µg/L
Cr 205.560	905.5	31.0109	µg/L	31.0109	µg/L
Co 228.616	203.9	5.77074	µg/L	5.77074	µg/L
Cu 324.754	54508.1	455.778	µg/L	455.778	µg/L
Fe 273.955	252725.0	5894.57	µg/L	5894.57	µg/L
Pb 220.353	353.1	42.1866	µg/L	42.1866	µg/L
Mg 279.079	54292.7	2122.07	µg/L	2122.07	µg/L
Mn 257.610	3674119.9	4812.54	µg/L	4812.54	µg/L
Ni 231.604	263.2	8.62815	µg/L	8.62815	µg/L
K 766.491	409276.6	1714.35	µg/L	1714.35	µg/L
Se 196.026	41.3	11.8089	µg/L	11.8089	µg/L
Ag 338.289	327.4	16.7461	µg/L	16.7461	µg/L
Na 330.237	-123.6	1523.47	µg/L	1523.47	µg/L
Tl 190.800	-52.3	-11.1026	µg/L	-11.1026	µg/L
V 292.402	119.1	3.61502	µg/L	3.61502	µg/L
Zn 206.200	21701.5	327.950	µg/L	327.950	µg/L
Na 589.592	315722.5	865.069	µg/L	865.069	µg/L
Mo 202.030	35.2	2.87874	µg/L	2.87874	µg/L
B 182.527	-4.4	9.61841	µg/L	9.61841	µg/L

Mean Data ----------

ID: Sample26 242143-003S PDS Seq. No.: 55 Sample No.: 26 A/S Pos: 49
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:49:44 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	65684.4	1.036	µg/L		
Sc 361.384	270211.3	1.007	µg/L		
Al 308.215	43631.9	1603.51	µg/L	1603.51	µg/L
Sb 206.833	30.0	-0.770715	µg/L	-0.770715	µg/L
As 188.979	33.2	20.1899	µg/L	20.1899	µg/L
Ba 233.527	23470.9	212.909	µg/L	212.909	µg/L
Be 313.107	179.8	-0.0071696	µg/L	-0.0071696	µg/L
Cd 226.502	-49.4	-1.52113	µg/L	-1.52113	µg/L
Ca 430.253	85053.7	8109.88	µg/L	8109.88	µg/L
Ca 227.547	522.0	8275.62	µg/L	8275.62	µg/L
Cr 205.560	235.3	8.33171	µg/L	8.33171	µg/L
Co 228.616	181.0	5.04061	µg/L	5.04061	µg/L
Cu 324.754	3000.2	10.3055	µg/L	10.3055	µg/L
Fe 273.955	2739410.0	64003.3	µg/L	64003.3	µg/L
Pb 220.353	349.5	41.3608	µg/L	41.3608	µg/L
Mg 279.079	37987.1	1449.24	µg/L	1449.24	µg/L
Mn 257.610	2382725.5	3120.81	µg/L	3120.81	µg/L
Ni 231.604	589.9	21.2165	µg/L	21.2165	µg/L
K 766.491	91222.4	480.740	µg/L	480.740	µg/L
Se 196.026	9.0	2.37800	µg/L	2.37800	µg/L
Ag 338.289	-913.9	-3.66969	µg/L	-3.66969	µg/L
Na 330.237	-278.1	915.142	µg/L	915.142	µg/L

spiked with 200µg/L Mn @ 11/8/04

000084

Tl 190.800	-53.3	-9.22759	µg/L	-9.22759	µg/L
V 292.402	360.4	7.40674	µg/L	7.40674	µg/L
Zn 206.200	30135.9	456.530	µg/L	456.530	µg/L
Na 589.592	206239.2	594.874	µg/L	594.874	µg/L
Mo 202.030	1.5	-0.740107	µg/L	-0.740107	µg/L
B 182.527	-16.2	2.41354	µg/L	2.41354	µg/L

Mean Data ----------

ID: Sample27 242143-0085 2X Seq. No.: 56 Sample No.: 27 A/S Pos: 50
Sample Qty: 1.0000 mL Prep. Vol.: 1.0 mL Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:53:59 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	62617.5	0.987	µg/L		
Sc 361.384	258703.1	0.964	µg/L		
Al 308.215	14339.4	75.2825	µg/L	75.2825	µg/L
Sb 206.833	35.0	1.99342	µg/L	1.99342	µg/L
As 188.979	63.8	39.5281	µg/L	39.5281	µg/L
Ba 233.527	307237.6	2773.20	µg/L	2773.20	µg/L
Be 313.107	-215.2	-0.290370	µg/L	-0.290370	µg/L
Cd 226.502	-67.6	-3.98564	µg/L	-3.98564	µg/L
Ca 430.253	106733.5	10333.2	µg/L	10333.2	µg/L
Ca 227.547	698.9	10555.0	µg/L	10555.0	µg/L
Cr 205.560	-62.3	-1.73917	µg/L	-1.73917	µg/L
Co 228.616	142.2	3.80254	µg/L	3.80254	µg/L
Cu 324.754	-20.7	-9.01287	µg/L	-9.01287	µg/L
Fe 273.955	5798846.0	135496	µg/L	135496	µg/L
Pb 220.353	183.5	15.7533	µg/L	15.7533	µg/L
Mg 279.079	19978.8	706.138	µg/L	706.138	µg/L
Mn 257.610	658026.0	861.457	µg/L	861.457	µg/L
Ni 231.604	66.1	1.03468	µg/L	1.03468	µg/L
K 766.491	32486.7	252.927	µg/L	252.927	µg/L
Se 196.026	-17.1	-2.54787	µg/L	-2.54787	µg/L
Ag 338.289	-1205.2	-8.46199	µg/L	-8.46199	µg/L
Na 330.237	-418.3	362.644	µg/L	362.644	µg/L
Tl 190.800	-47.4	-3.54516	µg/L	-3.54516	µg/L
V 292.402	-29.2	1.28594	µg/L	1.28594	µg/L
Zn 206.200	1160.3	14.9099	µg/L	14.9099	µg/L
Na 589.592	91327.1	311.281	µg/L	311.281	µg/L
Mo 202.030	2.4	-0.641075	µg/L	-0.641075	µg/L
B 182.527	-8.6	7.08395	µg/L	7.08395	µg/L

Mean Data ----------

ID: CRIM04ICRI001 Seq. No.: 57 Sample No.: 6 A/S Pos: 12
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 3:58:02 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64457.9	1.016	µg/L		
Sc 361.384	247499.4	0.923	µg/L		
Al 308.215	13159.4	-13.9302	µg/L		
Sb 206.833	243.7	115.767	µg/L		
As 188.979	50.8	21.9097	µg/L		
Ba 233.527	2.3	1.16223	µg/L		
Be 313.107	14999.8	10.6182	µg/L		
Cd 226.502	526.8	10.5104	µg/L		
Ca 430.253	9347.5	345.924	µg/L		
Ca 227.547	-125.4	-67.8335	µg/L		
Cr 205.560	651.6	22.4179	µg/L		
Co 228.616	3277.5	103.826	µg/L		
Cu 324.754	9233.0	58.5256	µg/L		
Fe 273.955	5716.3	122.481	µg/L		
Pb 220.353	118.6	5.67159	µg/L		
Mg 279.079	3029.5	6.74125	µg/L		
Mn 257.610	28671.4	37.0134	µg/L		
Ni 231.604	2268.5	85.8959	µg/L		
K 766.491	11342.0	170.515	µg/L		
Se 196.026	41.0	10.5971	µg/L		
Ag 338.289	535.5	20.1701	µg/L		
Na 330.237	-425.1	336.147	µg/L		
Tl 190.800	3.9	18.1162	µg/L		

V 292.402	6520.9	104.209	µg/L
Zn 206.200	3172.6	45.6065	µg/L
Na 589.592	10731.3	112.378	µg/L
Mo 202.030	2.6	-0.620767	µg/L
B 182.527	-27.0	-4.16808	µg/L

Mean Data ----------

ID: ISAM03ISA001 Seq. No.: 58 Sample No.: 7 A/S Pos: 5
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 4:02:25 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	55265.1	0.872	µg/L		
Sc 361.384	233243.3	0.869	µg/L		
Al 308.215	9195499.4	483556	µg/L		
Sb 206.833	15.1	-8.86297	µg/L		
As 188.979	6.4	-11.7968	µg/L		
Ba 233.527	-116.7	0.0890379	µg/L		
Be 313.107	-555.2	-0.534138	µg/L		
Cd 226.502	335.3	2.04688	µg/L		
Ca 430.253	4934455.4	505434	µg/L		
Ca 227.547	38903.7	502888	µg/L		
Cr 205.560	14.1	0.846857	µg/L		
Co 228.616	14.6	-0.268548	µg/L		
Cu 324.754	-1194.0	-15.7727	µg/L		
Fe 273.955	7305345.3	170700	µg/L		
Pb 220.353	-80.4	4.26344	µg/L		
Mg 279.079	11525695.3	475479	µg/L		
Mn 257.610	9121.8	-0.483549	µg/L		
Ni 231.604	76.9	1.45100	µg/L		
K 766.491	14314.7	182.444	µg/L		
Se 196.026	-19.8	21.9378	µg/L		
Ag 338.289	-949.2	-4.25015	µg/L		
Na 330.237	-417.8	364.632	µg/L		
Tl 190.800	-52.7	22.2252	µg/L		
V 292.402	-145.2	-0.537115	µg/L		
Zn 206.200	1021.8	-3.81804	µg/L		
Na 589.592	42450.1	190.657	µg/L		
Mo 202.030	-7.3	-1.68668	µg/L		
B 182.527	-116.3	-58.6070	µg/L		

Mean Data ----------

ID: ISRM03ISR001 Seq. No.: 59 Sample No.: 9 A/S Pos: 7
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 4:07:04 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	55630.3	0.877	µg/L		
Sc 361.384	234327.3	0.873	µg/L		
Al 308.215	9060499.4	476448	µg/L		
Sb 206.833	1094.6	579.676	µg/L		
As 188.979	238.7	86.4240	µg/L		
Ba 233.527	60864.9	550.296	µg/L		
Be 313.107	659274.8	472.540	µg/L		
Cd 226.502	50891.2	891.306	µg/L		
Ca 430.253	4935188.8	505510	µg/L		
Ca 227.547	39579.9	511602	µg/L		
Cr 205.560	13765.4	466.184	µg/L		
Co 228.616	13331.5	424.575	µg/L		
Cu 324.754	59790.2	519.125	µg/L		
Fe 273.955	7556595.3	176571	µg/L		
Pb 220.353	171.4	42.6738	µg/L		
Mg 279.079	11271295.3	464981	µg/L		
Mn 257.610	402380.9	514.952	µg/L		
Ni 231.604	23270.4	895.119	µg/L		
K 766.491	13870.4	180.721	µg/L		
Se 196.026	80.7	69.3433	µg/L		
*QC exceeds upper limit for Se 196.026 Recovery = 138.69 Action = Continue					
Ag 338.289	10052.9	176.713	µg/L		
Na 330.237	-374.7	534.579	µg/L		
Tl 190.800	137.1	96.5304	µg/L		

V 292.402	29565.0	466.311	µg/L
Zn 206.200	61263.7	914.754	µg/L
Na 589.592	44607.1	195.981	µg/L
Mo 202.030	0.5	-0.847124	µg/L
B 182.527	-116.1	-58.4887	µg/L

Mean Data ----------

ID: CCVM03AGCCV01 Seq. No.: 60 Sample No.: 11 A/S Pos: 4
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 4:11:15 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	64161.4	1.012	µg/L		
Sc 361.384	247782.3	0.924	µg/L		
Al 308.215	15894.4	130.094	µg/L		
Sb 206.833	13.8	-9.57382	µg/L		
As 188.979	1.0	1.01762	µg/L		
Ba 233.527	-106.7	0.178801	µg/L		
Be 313.107	399.8	0.150562	µg/L		
Cd 226.502	-56.5	0.271649	µg/L		
Ca 430.253	10117.8	424.920	µg/L		
Ca 227.547	-108.6	148.960	µg/L		
Cr 205.560	-4.6	0.214366	µg/L		
Co 228.616	-29.0	-1.66063	µg/L		
Cu 324.754	43430.9	358.149	µg/L		
Fe 273.955	5976.3	128.557	µg/L		
Pb 220.353	75.1	-1.02569	µg/L		
Mg 279.079	6172.8	136.449	µg/L		
Mn 257.610	842.1	0.553525	µg/L		
Ni 231.604	51.0	0.453887	µg/L		
K 766.491	9235.8	162.745	µg/L		
Se 196.026	16.6	-0.773519	µg/L		
Ag 338.289	18899.5	322.222	µg/L		
Na 330.237	-403.6	420.851	µg/L		
Tl 190.800	712.9	302.235	µg/L		
V 292.402	-160.1	-0.770804	µg/L		
Zn 206.200	308.8	1.95237	µg/L		
Na 589.592	12161.3	115.907	µg/L		
Mo 202.030	10057.6	1079.44	µg/L		
B 182.527	1809.1	1115.18	µg/L		

*QC exceeds upper limit for B 182.527 Recovery = 111.52 Action = Continue

Mean Data ----------

ID: CCVM04IRCCV01 Seq. No.: 61 Sample No.: 12 A/S Pos: 2
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 4:15:38 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	62293.0	0.982	µg/L		
Sc 361.384	242316.7	0.903	µg/L		
Al 308.215	204641.9	10070.4	µg/L		
Sb 206.833	967.1	510.140	µg/L		
As 188.979	-18.2	-7.18429	µg/L		
Ba 233.527	1271055.3	11469.3	µg/L		

*QC exceeds upper limit for Ba 233.527 Recovery = 114.69 Action = Continue

Be 313.107	360399.8	258.258	µg/L		
Cd 226.502	-18.9	0.195506	µg/L		
Ca 430.253	245149.1	24528.3	µg/L		
Ca 227.547	1783.4	24531.1	µg/L		
Cr 205.560	32165.1	1088.82	µg/L		
Co 228.616	80072.8	2553.80	µg/L		
Cu 324.754	152055.0	1310.35	µg/L		
Fe 273.955	220300.0	5136.86	µg/L		
Pb 220.353	102.5	3.93014	µg/L		
Mg 279.079	642279.7	26384.8	µg/L		
Mn 257.610	2068611.6	2708.70	µg/L		
Ni 231.604	67801.8	2610.[illegible]	µg/L		
K 766.491	7709756.8	30030.1	µg/L		
Se 196.026	38.4	[illegible]	µg/L		
Ag 338.289	46232.6	771.797	µg/L		
Na 330.237	6244.2	26606.3	µg/L		

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Tl 190.800	-28.6	-0.906602	µg/L
V 292.402	158220.1	2487.92	µg/L
Zn 206.200	173461.1	2640.21	µg/L
Na 589.592	12312128.6	30471.1	µg/L
Mo 202.030	4635.7	497.051	µg/L
B 182.527	-14.3	3.62327	µg/L

Mean Data ----------

ID: CCVM02ISBCCV1 Seq. No.: 62 Sample No.: 13 A/S Pos: 3
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 4:19:54 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63890.9	1.008	µg/L		
Sc 361.384	261893.4	0.976	µg/L		
Al 308.215	14429.4	52.9306	µg/L		
Sb 206.833	1026.1	542.310	µg/L		
As 188.979	2612.7	1094.48	µg/L		
Ba 233.527	316.9	4.00121	µg/L		
Be 313.107	409.8	0.157732	µg/L		
Cd 226.502	32535.0	573.721	µg/L		
*QC exceeds upper limit for Cd 226.502 Recovery = 114.74% Action = Continue					
Ca 430.253	9451.5	356.585	µg/L		
Ca 227.547	-115.5	60.0303	µg/L		
Cr 205.560	0.8	0.396683	µg/L		
Co 228.616	58.2	1.12277	µg/L		
Cu 324.754	2964.5	3.59573	µg/L		
Fe 273.955	2185.2	39.9662	µg/L		
Pb 220.353	6882.6	1046.88	µg/L		
Mg 279.079	3902.9	42.7822	µg/L		
Mn 257.610	1401.0	1.28797	µg/L		
Ni 231.604	79.8	1.56169	µg/L		
K 766.491	17867.5	196.224	µg/L		
Se 196.026	2426.1	1121.98	µg/L		
*QC exceeds upper limit for Se 196.026 Recovery = 112.20% Action = Continue					
Ag 338.289	375.0	17.5299	µg/L		
Na 330.237	-388.0	482.021	µg/L		
Tl 190.800	2543.6	1035.34	µg/L		
V 292.402	-82.6	0.446775	µg/L		
Zn 206.200	410.8	3.51032	µg/L		
Na 589.592	22017.5	140.232	µg/L		
Mo 202.030	4954.5	531.291	µg/L		
B 182.527	-18.6	0.981716	µg/L		

Mean Data ----------

ID: CCB Seq. No.: 63 Sample No.: 14 A/S Pos: 1
Sample Qty: 1.0000 g Prep. Vol.: 1.0 L Dilution: 1.0: 1.0
Data: Original Date: 11/5/04 4:23:48 PM

Element	Mean Corr. Intensity	Mean Conc.	Calib Units	Mean Conc.	Sample Units
Y 360.073	63538.2	1.002	µg/L		
Sc 361.384	253334.2	0.944	µg/L		
Al 308.215	13364.4	-3.15670	µg/L		
Sb 206.833	44.5	7.14853	µg/L		
As 188.979	-1.0	0.192412	µg/L		
Ba 233.527	-109.6	0.152496	µg/L		
Be 313.107	214.8	0.0179241	µg/L		
Cd 226.502	-62.7	0.165874	µg/L		
Ca 430.253	9230.1	333.879	µg/L		
Ca 227.547	-124.1	-50.8440	µg/L		
Cr 205.560	-30.4	-0.660415	µg/L		
Co 228.616	22.3	-0.0220751	µg/L		
Cu 324.754	2629.4	0.657629	µg/L		
Fe 273.955	1086.3	14.2860	µg/L		
Pb 220.353	94.8	1.99865	µg/L		
Mg 279.079	3464.5	24.6933	µg/L		
Mn 257.610	521.3	0.136022	µg/L		
Ni 231.604	48.3	0.349035	µg/L		
K 766.491	11162.5	170.218	µg/L		
Se 196.026	22.6	2.01499	µg/L		
Ag 338.289	-617.1	1.21160	µg/L		

Na 330.237	-421.7	-349.332	µg/L
Tl 190.800	-41.8	-0.0446908	µg/L
V 292.402	-125.0	-0.220037	µg/L
Zn 206.200	187.0	0.0991877	µg/L
Na 589.592	11553.6	114.403	µg/L
Mo 202.030	24.1	2.74517	µg/L
B 182.527	-24.0	-3.32047	µg/L

Run time
16:30 - 4:30 p

PC-TitratION PLUS

29130

Report Date: 11/08/2004
Report Time: 12:30 PM

Order Number
20041105-3

SampleID	RunDate	cond (uS)	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	NTU	Hardness	Sulf Blank	Sulfide	Fluoride	Run Number
241930-1	11/05/2004	-1.00	7.06	.00	42.22	42.22	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241930-1DUP	11/05/2004	-1.00	7.05	.00	43.00	43.00	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241930-1SPK	11/05/2004	-1.00	9.37	19.80	79.84	40.24	39.60	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241937-1	11/05/2004	-1.00	7.62	.00	224.27	224.27	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241975--1	11/05/2004	-1.00	8.06	.00	209.19	209.19	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241975--2	11/05/2004	-1.00	7.18	.00	280.58	280.58	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241975--3	11/05/2004	-1.00	7.83	.00	122.83	122.83	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241975--4	11/05/2004	-1.00	6.33	.00	6.98	6.98	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
241975--5	11/05/2004	-1.00	6.48	.00	13.56	13.56	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-1	11/05/2004	-1.00	7.51	.00	295.67	295.67	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-1DUP	11/05/2004	-1.00	7.46	.00	298.42	298.42	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-1SPK	11/05/2004	-1.00	8.22	.00	346.51	346.51	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-2	11/05/2004	-1.00	7.32	.00	331.22	331.22	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-3	11/05/2004	-1.00	7.56	.00	74.35	74.35	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-4	11/05/2004	-1.00	7.66	.00	421.09	421.09	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242031-5	11/05/2004	-1.00	7.54	.00	331.92	331.92	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242040--1	11/05/2004	-1.00	5.55	.00	1.21	1.21	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242040--2	11/05/2004	-1.00	7.09	.00	214.94	214.94	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242040--3	11/05/2004	-1.00	6.57	.00	50.62	50.62	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242115-1	11/05/2004	-1.00	7.90	.00	122.91	122.91	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242115-1DUP	11/05/2004	-1.00	7.88	.00	122.23	122.23	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242115-1SPK	11/05/2004	-1.00	8.74	16.42	160.19	127.35	32.84	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242115-2	11/05/2004	-1.00	7.78	.00	94.09	94.09	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015

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PC-TitratION PLUS by Man-Tech Associates, Inc.

✓ MUR 9 11/8/04

79130

2320B

Report Date: 11/08/2004
Report Time: 12:30 PM

Order Number
20041105-3

SampleID	RunDate	cond (uS)	pH	palk-ppm	talk-ppm	bcarb-ppm	carb-ppm	hydr-ppm	NTU	Hardness	Sulf Blank	Sulfide	Fluoride	Run Number
242143-1	11/05/2004	-1.00	7.33	.00	272.03	272.03	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242143-3	11/05/2004	-1.00	7.40	.00	360.46	360.46	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242143-5	11/05/2004	-1.00	7.42	.00	265.39	265.39	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242143-7	11/05/2004	-1.00	7.53	.00	290.67	290.67	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242143-9	11/05/2004	-1.00	7.56	.00	291.71	291.71	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
7 242187-1	11/05/2004	-1.00	7.95	.00	216.87	216.87	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242195-2	11/05/2004	-1.00	6.32	.00	4.73	4.73	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242198-1	11/05/2004	-1.00	7.21	.00	34.16	34.16	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
242198-1DUP	11/05/2004	-1.00	7.19	.00	34.74	34.74	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
5 242198-1SPK	11/05/2004	-1.00	9.49	24.95	87.42	37.53	49.89	.00	-1.00	-1.00	.00	-1.00	0.000	1015
2 CCB-1	11/05/2004	-1.00	5.77	.00	-.18	-.18	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
2 CCB-2	11/05/2004	-1.00	5.53	.00	.14	.14	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
3 CCB-3	11/05/2004	-1.00	5.51	.00	-.09	-.09	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
4 CCB-4	11/05/2004	-1.00	5.59	.00	.01	.01	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
2 CCV-1	11/05/2004	-1.00	10.07	24.61	54.32	5.10	49.22	.00	-1.00	-1.00	.00	-1.00	0.000	1015
2 CCV-2	11/05/2004	-1.00	10.02	23.42	54.48	7.64	46.84	.00	-1.00	-1.00	.00	-1.00	0.000	1015
3 CCV-3	11/05/2004	-1.00	9.86	18.76	54.58	17.05	37.53	.00	-1.00	-1.00	.00	-1.00	0.000	1015
4 CCV-4	11/05/2004	-1.00	9.87	19.56	54.33	15.22	39.12	.00	-1.00	-1.00	.00	-1.00	0.000	1015
ICB	11/05/2004	-1.00	5.90	.00	.13	.13	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
1 ICV	11/05/2004	-1.00	10.28	49.39	99.99	1.20	98.79	.00	-1.00	-1.00	.00	-1.00	0.000	1015
LCS	11/05/2004	-1.00	7.51	.00	35.81	35.81	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015
2 LCS-2	11/05/2004	-1.00	7.42	.00	35.51	35.51	.00	.00	-1.00	-1.00	.00	-1.00	0.000	1015

No BR

000091

PC-TitratION PLUS by Man-Tech Associates, Inc.

AMMONIA - Bench Sheet
Holding Time: 28 days from sample collection

Batch: 78910
H2SO4 N= 0.0206N
Titrant Factor (F) = 288.4
Method #: 4500-NH3 E (titration)

Date: 11/3/04
Time: 10:00 PM
Analyst: Gueo

Sample ID	Reagent CODE	Sample Volume (MLI / Weight)	Initial Buret Volume (BRI)	Final Buret Volume (BRF)	CALC.	RESULT MG/L
ICV/LCS	W04NH3ICV1	250	1.8 - 0.0	1.8	1.8·288.4/250	2.08 = 104%
MB		↓	NT	Ø	—	1.0u
242037-3		↓	↓	↓	↓	↓
132-2		250	NT	Ø	—	1.0u
134-1		100	7.4 - 1.8	5.6	5.6·288.4/100	16.2
↓ -2		250	18.7 - 7.4	11.3	11.3·288.4/250	13.0
143-1		↓	NT	Ø	—	1.0u
-3		↓	↓	↓	↓	↓
-5		↓	NT	Ø	—	1.0u
-7		↓	19.7 - 18.7	1.0	1.0·288.4/250	1.15
↓ -9		250	NT	Ø	—	1.0u
149-2		50	25.6 - 19.7	5.9	5.9·288.4/50	34.0
132-2MD		250	NT	Ø	—	1.0u
↓ MS	W04NH3SPK1	↓	33.9 - 25.6	8.3	8.3·288.4/250	9.57
242150-10		100	39.2 - 33.9	5.3	5.3·288.4/100	15.3
↓ -12		250	NT	Ø	—	1.0u
178-1		100	43.8 - 39.2	4.6	4.6·288.4/100	13.3
↓ -3		250	5.8 - 0.8	5.0	5.0·288.4/250	5.77
185-1		100	10.7 - 5.8	4.9	4.9·288.4/100	14.1
↓ -2		250	16.6 - 10.7	5.9	5.9·288.4/250	6.81
188-1		100	20.0 - 16.6	3.4	3.4·288.4/100	9.81
↓ -2		250	27.1 - 20.0	7.1	7.1·288.4/250	8.19
192-2		↓	NT	Ø	—	1.0u
200-1		100	30.1 - 27.1	3.0	3.0·288.4/100	8.65
192-2MD		250	NT	Ø	—	1.0u
↓ MS	W04NH3SPK1	↓	38.4 30.1	8.3	8.3·288.4/250	9.57

CONTROL LIMITS: ICV 87-109% LCSW 92-108% SPIKE 84-123% #1 $\frac{9.57 - 1.04}{10}$ = 95.7% ammo

SOILSPK= W04NH3SOSP

CALCULATION #1 RSD = Ø

1 ml 0.0200N H2SO4 TIT. = 280 ug N

NH3 = mls titrant x 280
mg/l as N mls sample

000092

#2 $\frac{9.57 - 1.04}{10}$ = 95.7%

#2 RSD = Ø

11/4 NOBV

CHLORIDE - Bench Sheet
Holding Time: 28 days from sample collection

Batch: 78855
AGNO N= 0.0135N
Method #: 4500-CL B
Blank Titrated Vol.=

Date: 11/3/04
Time: 1:25 pm
Analyst: (S)

SAMPLE ID	Reagent CODE	Sample Volume (MLI)	Initial Buret Volume (BRI)	Final Buret Volume (BRF)	Titrant Volume (BRF-BRI-MB)	CALC.	RESULT MG/L
BLANK (MB)		50	0.1	0.6	0.5	BLKT= 4.785	
ICV @ 50	W04CLICV01	50	0.6	6.4	5.3	50.72	50.72/50.0
LCS	W04MINLCS2	50	27.2	35.9	8.2	78.48	78.48/76.9
242115-1		50	0.1	7.2	6.6	63.16	
115-2		50	23.6	26.2	2.1	20.09	
143-1		50	26.2	38.5	11.8	112.92	
143-3	color interference	5	38.5	40.6	1.6	153.14	
143-5	color interference	10	0.7	4.7	3.5	167.50	
143-7	color interference	10	4.7	9.6	4.4	210.57	
143-9		50	9.6	21.7	11.6	111.01	
115-1 MD		50	7.2	14.2	6.5	62.20	
115-1 MS	W04CLSPK01	50	14.2	23.6	8.9	85.19	
MD							
MS	W04CLSPK01						

CONTROL LIMITS: ICV 92-109% LCS 90-105% MS 74-126% MD 19% RPD

CHLOR 6/21/04

CALCULATION

No BK (S)

000093

** BLK MUST BE SUBTRACTED FROM SAMPLE BEFORE CALC.

CHLORIDE = (mls tit) (35450) (N AGNO3) RF=Final Volume / Initial Volume

mg/l as CL mls sample

STL Newburgh is a part of Severn Trent Laboratories, Inc.

SEVERN TRENT STL

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

COD LOW LEVEL - Spectrophotometer
Holding Time: 28 days from collection

Batch: 79255

Date: 11/04/04
Time: 08:00
Analyst: BO

Method #: HACH 8000

SAMPLE ID	REAGENT CODE	SAMPLE VOLUME (MLI)	ABS.	DLF	RESULT MG/L
(MB)		2.0	0	1	0
STD (RS)50	W02CODSTD1		.017		47.2
LCS/ICV	W04CODLCSL		.037		107
242143-1			.005		11.6
-3			HIGH		
-5			.007		17.5
-7			.038		109
-9			.006		14.5
242192-2			.009		23.4
242180-1			RERUN AS HIGH		
242170-3			.001		0
242268-1			.041		118
-2		2.0	.035		101
CCV	W04CODLCSL				
CCB					

HIGH

CONTROL LIMITS: (established 4/03) CODLL
LCS=89-123% MS=70-132% DUP <20%RPD
If LCS/ICV/CCV fails QC limits, all associated data must be re-analyzed.

%REC = (MS result-(sample result/2)/spike concen.)*100 V NO BR

%RPD = (Sample Result - Duplicate Result) / (Sample Result + Duplicate Result)/2 x 100

NOV 9/11/04

000094

✓ mwr 11/11/04

COD ~~HIGH~~ LOW LEVEL- Spectrophotometer
Holding Time: 28 days from collection

Batch: 79253 **PAGE 2** Date: 11/04/04
Time: 8:00
Analyst: BC

Method #: HACH 8000

SAMPLE ID	REAGENT CODE	SAMPLE VOLUME (MLI)	ABS.	DLF	RESULT MG/L
143-9 MD			.006		14.5
143-9 MS	W02CODSPKH		.022		62.0
CCV	W03CODCCV1		.039		112
CCB			002		0
CCV	W03CODCCV1				
CCB					

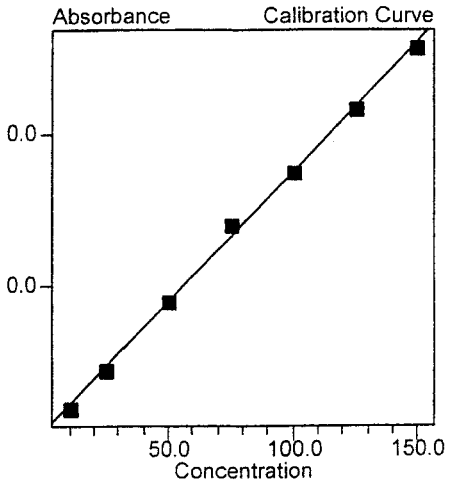
CODHL 6/21/04

LCS=86-115% CCV 84-116% MS=58-133% DUP <10%RPD

$$\%RPD = \frac{(\text{Sample Result - Duplicate Result})}{(\text{Sample Result + Duplicate Result})/2} \times 100$$

000095

Calibration Curve



Calibration Data...

Row	Concentration	Absorbance
1	0.000	0.000
2	10.000	0.004
3	25.000	0.009
4	50.000	0.018
5	75.000	0.028
6	100.000	0.035
7	125.000	0.043
8	150.000	0.051

.

Statistics Output...
Fit Type = linear (mx+b)
Points = 7
Independent Variable = Absorbance
Dependent Variable = Concentration
r^2 = 0.998005
Slope = 0.000
Intercept = 0.001
Correlation Coefficient = 0.999001948239616

Residuals...

Independent	Dependent	Predicted	Residual
0.000	0.000	0.001	-0.001
10.000	0.004	0.004	0.000
25.000	0.009	0.010	-0.001
50.000	0.018	0.018	0.000
75.000	0.028	0.026	0.002
100.000	0.035	0.035	0.000
125.000	0.043	0.043	0.000
150.000	0.051	0.052	-0.001

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Notes:

000096

Sample Data...

Row	Sample ID	Absorbance	Sample Weight	Dilution Facto	Concentration	Conc/Final
1	MB	0	1.000	1.000	-3.258	-3.258
2	RST	.017	1.000	1.000	47.182	47.182
3	LCS/ICV	.037	1.000	1.000	106.523	106.523
4	242143-1	.005	1.000	1.000	11.577	11.577
5	-5	.007	1.000	1.000	17.511	17.511

6	-7	.038	1.000	1.000	109.490	109.490
7	-9	.006	1.000	1.000	14.544	14.544
8	242192-2	.009	1.000	1.000	23.445	23.445
9	242170-3	.001	1.000	1.000	-0.291	-0.291
10	242268-1	.041	1.000	1.000	118.391	118.391
11	-2	.035	1.000	1.000	100.589	100.589
12	242143-9MD	.006	1.000	1.000	14.544	14.544
13	-9MS	.022	1.000	1.000	62.017	62.017
14	CCV	.039	1.000	1.000	112.457	112.457
15	CCB	.002	1.000	1.000	2.676	2.676

COD HIGH LEVEL- Spectrophotometer
Holding Time: 28 days from collection

Batch: 79224

Date: NOV04,04
Time: 10:00
Analyst: BC

Method #: HACH 8000

SAMPLE ID	REAGENT CODE	SAMPLE VOLUME (MLI)	ABS.	DLF	RESULT MG/L	
(MB)		2.0	0	1	0	
STD (RS)150	W03CODRS01		.054		151	101%
LCS/ICV	W04CODLCSH		.078		210	99.1%
242165-1			.101		283	
242192-1			.140		393	~~1.5~~
192-1 MD			.142		399	1.5%
192-1 MS			.334		940	72.9%
x → 242143-3			.089		249	
x → 242180-1		2.0	.113	1	317	
CCV	W03CODCCV1	2.0	.077	1	216	99.1%
CCB		2.0	0	1	0	

CODHL

CONTROL LIMITS: (established 4/03)
LCS=89-123% MS=66-132% DUP <20%RPD
If LCS/ICV/CCV fails QC limits, all associated data must be re-analyzed.

%REC = (MS result-(sample result/2)/spike concen.)*100

%RPD = (Sample Result - Duplicate Result) / (Sample Result + Duplicate Result)/2 x 100

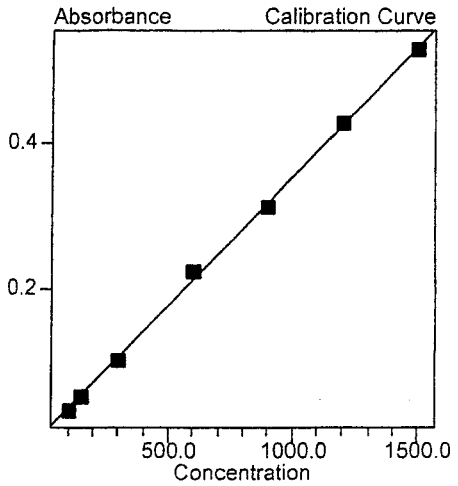
✓ MWR 11/12/04

x → CHANGE TO HIGH

000098

✓ NO BC NOV 9/04 BC

Calibration Curve



Calibration Data...

Row	Concentration	Absorbance
1	0.000	0.000
2	100.000	0.034
3	150.000	0.053
4	300.000	0.103
5	600.000	0.225
6	900.000	0.314
7	1200.000	0.430
8	1500.000	0.529

.

Statistics Output...
Fit Type = linear (mx+b)
Points = 7
Independent Variable = Absorbance
Dependent Variable = Concentration
r^2 = 0.999023
Slope = 0.000
Intercept = 0.000
Correlation Coefficient = 0.99951135756862

Residuals...

Independent	Dependent	Predicted	Residual
0.000	0.000	0.000	0.000
100.000	0.034	0.036	-0.002
150.000	0.053	0.054	-0.001
300.000	0.103	0.107	-0.004
600.000	0.225	0.213	0.012
900.000	0.314	0.320	-0.006
1200.000	0.430	0.426	0.004
1500.000	0.529	0.532	-0.003

000099

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Notes:

Sample Data...

Row	Sample ID	Absorbance	Sample Weight	Dilution Facto	Concentration	Conc/Final
1	MB	0	1.000	1.000	-1.385	-1.385
2	STD(RS)150	.054	1.000	1.000	150.880	150.880
3	LCS/ICV	.077	1.000	1.000	215.734	215.734
4	242165-1	.101	1.000	1.000	283.407	283.407
5	242192-1	.140	1.000	1.000	393.377	393.377

6	-1MD	.142	1.000	1.000	399.016	399.016
7	-1MS	.334	1.000	1.000	940.403	940.403
8	242143-3	.089	1.000	1.000	249.571	249.571
9	242180-1	.113	1.000	1.000	317.244	317.244
10	CCV	.077	1.000	1.000	215.734	215.734
11	CCB	0	1.000	1.000	-1.385	-1.385

No Breaches

✓ @ 11/9/04

BENCH SHEET

% SOLID %MOISTURE(160.3) %VOL SOL (160.4)

Holding Tine: Analyze at time of sample prep.

Batch #: 79044
Method#: _____
Time In: 3:00
Time Out: _____

Date: 10/4/04
Analyst: mwe
Temp In: _____
Temp Out: _____

Lab #	Glassware ID	SAMPLE WEIGHT	INITIAL WEIGHT (TARE)	FINAL WEIGHT (WT@103)	WEIGHT 550C	%SOLID RESULT	%MOIST RESULT	%VOL SOL RESULT
241652-1	248	7.59	0.93	7.49				
-2	246	5.69	0.93	6.04				
-3	238	7.46	0.92	7.54				
-4	901	5.37	0.91	5.81				
242091-1	31	7.98	0.92	8.45				
112-1	397	6.91	0.92	4.84				
113-1	354	9.61	0.93	7.92				
-2	361	5.86	0.94	5.30				
-3	383	6.69	0.92	6.60				
242128-1	214	5.63	0.92	4.82				
-2	227	7.15	0.92	5.76				
-3	278	6.75	0.92	5.26				
-4	291	5.11	0.92	4.13				
-5	209	6.63	0.93	5.53				
-6	215	7.81	0.93	6.49				
-7	252	7.60	0.93	5.83		64.5		
-7 MD	276	7.13	0.93	5.60		65.5		

psol

DUPLICATE PSOL +- 30% VPSOL +/- 30%

$$\% \text{ Sol} = \frac{(\text{Wt @ 103} - \text{Tare Wt})}{\text{Initial Wt.}} \times 100$$

% Moisture = 100 -% solid

$$\% \text{ Vol Sol} = \frac{(\text{Wt @ 103} - \text{Wt @ 550})}{(\text{Wt @ 103} - \text{Tare Wt})}$$

000101

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

BENCH SHEET

% SOLID %MOISTURE(160.3) %VOL SOL (160.4)

Holding Tine: Analyze at time of sample prep.

Batch #:_____
Method#:_____
Time In: 3:00
Time Out: _____

Date: 11/4/04
Analyst: MWR
Temp In: _____
Temp Out: _____

Lab #	Glassware ID	SAMPLE WEIGHT	INITIAL WEIGHT (TARE)	FINAL WEIGHT (WT@103)	WEIGHT 550C	%SOLID RESULT	%MOIST RESULT	%VOL SOL RESULT
2421288	22B	5.43	0.93	4.27				
-9	265	6.86	0.93	5.34				
-10	285	5.68	0.93	4.79				
-11	299	6.94	0.93	6.18				
-12	275	6.74	0.93	5.36				
-13	244	7.36	0.93	4.68				
2421432	931	3.54	0.91	1.10				
-4	E70	8.79	0.91	4.97				
-6	18	6.45	0.91	1.01				
-8	71	7.28	0.91	2.38				
-10	41	9.08	0.92	4.05				
242146-1	336	8.11	0.90	8.13				
-2	351	8.86	0.92	8.54				
-3	334	12.75	0.94	12.08				
242177-1	14	9.29	0.92	2.68				
242228-1	319	5.45	0.92	5.58		85.5		
228-1 mD	301	5.68	0.93	5.77		85.2		

psol

DUPLICATE PSOL +- 30% VPSOL +/- 30%

$$\% \text{ Sol} = \frac{(\text{Wt @ 103} - \text{Tare Wt})}{\text{Initial Wt.}} \times 100$$

% Moisture = 100 -% solid

000102

$$\% \text{ Vol Sol} = \frac{(\text{Wt @ 103} - \text{Wt @ 550})}{(\text{Wt @ 103} - \text{Tare Wt})}$$

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

BENCH SHEET

% SOLID %MOISTURE(160.3) %VOL SOL (160.4)

Holding Tine: Analyze at time of sample prep.

Batch #:_____ Date: 11/4/09
Method#:_____ Analyst: mwr
Time In: 3:00 Temp In: _____
Time Out: _____ Temp Out: _____

Lab #	Glassware ID	SAMPLE WEIGHT	INITIAL WEIGHT (TARE)	FINAL WEIGHT (WT@103)	WEIGHT 550C	%SOLID RESULT	%MOIST RESULT	%VOL SOL RESULT
242229-1	294	6.11	0.93	4.36				
242152-1	357	10.69	0.93	10.32				
-2	264	7.98	0.93	7.65				
-3	268	10.15	0.93	10.27				
-4	363	12.55	0.93	12.34				
-5	297	10.89	0.93	10.86				
-6	206	12.70	0.93	12.67				
-7	210	13.48	0.94	13.35				
-8	935	10.02	0.91	10.08		91.5		
152-8mD	937	14.97	0.92	14.68		91.9		

psol

DUPLICATE PSOL +- 30% VPSOL +/- 30%

$$\% \text{ Sol} = \frac{(\text{Wt @ 103} - \text{Tare Wt})}{\text{Initial Wt.}} \times 100$$

% Moisture = 100 -% solid

000103

$$\% \text{ Vol Sol} = \frac{(\text{Wt @ 103} - \text{Wt @ 550})}{(\text{Wt @ 103} - \text{Tare Wt})}$$

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

Inorganic Data
Digestion Distillation Log

Digestion Distillation Log

242143

STL NEWBURGH
Metals Preparation Logbook

Batch: 78768

Prep Date: 11/4/04
Time: 145 pm

Matrix: SOIL
Hot Block #2
temperature: ~113°C
HNO3: ✓
HCl: ✓
H2O2: ✓

MS: M04ICPSPK1
MS: M04FURSPK1
MS:
LCSI:

LCSF:
LCSS: M043047WGL

Method (cirlce one): ICP, Furnace, 2007WW, 2007DW, 3050, 3050GF, 2007DW, 3113DW, Other: ____, Other: ____

	Job	Sample	Init Wgt (g)/ Vol (ml)	Final Vol (ml)	Comments
1	242128	1	0.52	100mL	
2		2	0.54		
3		3	0.50		
4		4	0.51		
5		5	0.52		
6		6	0.49		
7		7	0.51		
8		8	0.48		
9		9	0.51		
10		10	0.48		
11		11	0.48		
12		12	0.50		
13		13	0.48		
14	143	2	0.54		
15		4	0.56		
16		6	0.48		
17		8	0.51		
18		10	0.50		
19	177	1	0.50		
20					
MS I	242143	2	0.57	100mL	
MS F			0.53		
MD			0.55		
MB			0.50		
~~LCSW~~/LCSS	I		0.26		
LCSW/LCSS					

metpreb 000104

Analyst(s): NE

Reviewed by: ____

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