Appendix M
Chemical Analysis Data
Volume 9 of 9

ESAT Controlled Number: ESAT5.17.006716-PJ 6/24/09

DATE: June 24, 2009

Indiana Dept of Environmental Management
ATTN: Mark Jaworski
100 N. Senate Avenue – Room N1255
Indianapolis, IN 46804-2222

SITE NAME: Gary Development Company Inc. (IN)

CASE #	LAB	SAMPLES	SDG	MATRIX
38525	SVL Analytical	20	ME2QQ1	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Davis
Data Coordinator
ESAT Region 5 **TechLaw**

Controlled Document

ESAT5.15.00282
ACH
6-23-09

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: 6/10/09

SUBJECT: Review of Data
Received for review on 5/29/09

FROM: Stephen L. Ostrodka, Chief (SRT-4J)
Superfund Field Services Section

TO: Data User: IDEM

We have reviewed the data by CADRE for the following case:

SITE NAME: Gary Development Co Inc (IN)

CASE NUMBER: 38525 **SDG NUMBER:** ME2QQ1

Number and Type of Samples: 20 soils

Sample Numbers: ME2QQ1-Q8, R1-R9, S0-S2

Laboratory: SVL Analytical **Hrs. for Review:** 21 + 3.5 PL 6/22/09

Following are our findings:

CC: Howard Pham
Region 5 TOPO
Mail Code: SRT-4J

Case: 38525
Site: Gary Dev Co.

Laboratory: SVL Analytical

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Twenty (20) soil samples, numbered ME2QQ1-Q8, R1-R9, S0-S2, were collected on May 5, 2009. The lab received the samples on May 7, 2009. Although the cooler containing the samples was outside the required temperature range, no sample results are qualified for this deficiency. All samples were analyzed for metals. All samples were analyzed using the CLP SOW ILM05.4 analysis procedures.

Mercury analysis was performed using a Cold Vapor AA Technique. The remaining inorganic analyses were performed using an Inductively Coupled Plasma-Atomic Emission Spectroscopy (ICP-AES) procedure.

The Inorganic Traffic Report & Chain of Custody indicates that the samples were supposed to be analyzed by ICP-MS. ICP-MS analysis of soil samples is not allowed under CLP. The samples were analyzed using ICP-AES.

Reviewed by: Stephen Connet
Date: June 10, 2009

1. HOLDING TIME:

The inorganic soil samples were reviewed for holding time violations using criteria developed for water samples. No defects were found.

2. CALIBRATIONS:

No defects were found for the calibration or the CRQL standards.

3. BLANKS:

The following inorganic samples are associated with an ICB/CCB or preparation blank concentration which is greater than the method detection limit (MDL). The sample result is greater than the MDL.

Hits less than the CRQL are qualified "U". The sample result is raised to the CRQL.
Hits greater than the CRQL but less than 5 times the blank are qualified "U" and reported at the sample value.

Beryllium

ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR5

Magnesium

ME2QQ5

Silver

ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR2, ME2QR7, ME2QR8, ME2QS1

Sodium

ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR5, ME2QR6, ME2QR7, ME2QR8

The following inorganic samples are associated with an ICB/CCB concentration which is greater than the method detection limit (MDL) and with a negative preparation blank whose absolute value is greater than the MDL. The sample result is greater than the MDL.

Hits less than the CRQL are qualified "U". The sample result is raised to the CRQL.
Hits greater than the CRQL but less than 5 times the blank are qualified "U" and reported at the sample value.

Selenium

ME2QR1

The following inorganic samples are associated with a negative ICB/CCB or preparation blank concentration whose absolute value is greater than the method detection limit (MDL). The sample result is also greater than the MDL.

Hits less than 5 times the blank are qualified "J-".

Cadmium
ME2QQ2, ME2QR2, ME2QR6, ME2QS2

The following inorganic samples are associated with a negative ICB/CCB or preparation blank concentration whose absolute value is greater than the method detection limit (MDL). The sample result is also greater than the MDL. The samples are also associated with a positive ICSA (see below).
Hits less than 5 times the blank AND less than 10 times the ICSA are qualified "J".

Selenium
ME2QQ1, ME2QR9

4. MATRIX SPIKE/MATRIX SPIKE DUPLICATE AND LAB CONTROL SAMPLE:

The following inorganic samples are associated with a matrix spike recovery which is high (>125%) indicating that sample results may be biased high. The required post spike was performed and results were less than or equal to 125%.
Hits are qualified "J"; non-detects are not qualified.

Chromium
ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS1, ME2QS2

Copper
ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS1, ME2QS2

The following inorganic samples are associated with a matrix spike recovery which is low (30-74%) indicating that sample results may be biased low. The required post spike was performed and results were greater than or equal to 75%.
Hits are qualified "J" and non-detects are qualified "UJ".

Antimony
ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS1, ME2QS2

The following inorganic samples are associated with a matrix spike recovery which is low (30-74%) indicating that sample results may be biased low. No post spike was required.
Hits are qualified "J-" and non-detects are qualified "UJ".

Mercury
ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS1, ME2QS2

No defects were found for the laboratory control sample.

5. LABORATORY AND FIELD DUPLICATE:

The following inorganic samples are associated with duplicate results which did not meet relative percent difference (RPD) primary criteria. Region 5 uses 35%RPD control criteria for soil samples.

Hits are qualified "J" and non-detects are qualified "UJ".

Copper

ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS1, ME2QS2

No samples were identified as field duplicates.

6. ICP ANALYSIS:

The following inorganic samples are associated with an ICP serial dilution percent difference which is not in control.

Hits are qualified "J" and non-detects are qualified "UJ".

Copper

ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS1, ME2QS2

The following inorganic sample results are affected by an interference check "A" sample (ICSA) for which false positive concentration values greater than the MDL were obtained. The sample contains Al, Ca, Fe, or Mg at a level comparable to the ICSA.

Hits less than 10 times the value of the ICSA are qualified "J+"; non-detects are not qualified. Hits greater than 10 times the ICSA are not qualified.

Beryllium

ME2QS0

Cobalt

ME2QQ1

The following results are affected by an interference check "A" sample (ICSA) for which false positive concentration values greater than the MDL were obtained. The sample contains Al, Ca, Fe or Mg at a level comparable to that of the ICSA. The samples are also associated with a negative ICB/CCB or preparation blank concentration whose absolute value is greater than the MDL (see above).

Hits less than 10 times the absolute value of the ICSA AND less than 5 times the blank value are qualified "J".

Selenium
ME2QQ1, ME2QR9

The following results are affected by an interference check "A" sample (ICSA) for which false negative concentration values greater than the absolute value of the MDL were obtained. The sample contains Al, Ca, Fe or Mg at a level comparable to that of the ICSA.
Hits less than 10 times the absolute value of the ICSA are qualified "J-", non-detects are qualified "UJ". Hits greater than 10 times the ICSA are not qualified.

Antimony
ME2QQ1, ME2QQ8, ME2QR1, ME2QR2, ME2QR3

Cadmium
ME2QQ1, ME2QQ2, ME2QQ4, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS0, ME2QS2

The following inorganic samples are associated with negative sample results whose absolute values are greater than the CRQL, indicating interference.
Non-detects are qualified "R".

Cadmium
ME2QR3, ME2QR4, ME2QR5, ME2QR9

The following inorganic samples are associated with negative sample results whose absolute values are greater than the CRQL, indicating interference. Dilutions performed for other elements were no longer greater than the CRQL. Undiluted results would have been considered rejected "R"; reported results were changed to diluted values by this reviewer. Detection limits for reported results are elevated.
Non-detects are qualified "U".

Cadmium
ME2QS0

7. SAMPLE RESULTS:

The following inorganic samples have analyte concentrations reported above the method detection limit (MDL) but below the quantitation limit (CRQL).
Results are qualified "J".

Antimony
ME2QQ1, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR3, ME2QR4, ME2QR5, ME2QR6, ME2QR7, ME2QR8, ME2QR9, ME2QS1, ME2QS2

Beryllium
ME2QS0, ME2QS1, ME2QS2

Cadmium
ME2QQ2, ME2QQ3, ME2QQ7, ME2QR2, ME2QR6, ME2QR7, ME2QS2

Cobalt
ME2QQ1, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8, ME2QR1, ME2QR2, ME2QR7, ME2QR8, ME2QS1

Mercury
ME2QQ5, ME2QQ7, ME2QR5, ME2QR7, ME2QS1

Potassium
ME2QQ1, ME2QQ2, ME2QQ3, ME2QQ4, ME2QQ5, ME2QQ6, ME2QQ7, ME2QQ8

Selenium
ME2QQ1, ME2QR9

Thallium
ME2QQ2, ME2QQ4, ME2QQ8, ME2QR2, ME2QR3, ME2QR4, ME2QR6, ME2QR7, ME2QR9, ME2QS0, ME2QS2

All data, except those qualified above, are acceptable.

Case: 38525
Site: Gary Dev Co.

Laboratory: SVL Analytical

CADRE ILM05.4 Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity, but the result may be biased high.
J-	The result is an estimated quantity, but the result may be biased low.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.
UJ	The analyte was analyzed for, but not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.

Reviewed by: Stephen Connet
Date: June 10, 2009

Analytical Results (Qualified Data)

Case #: 38525 SDG : ME2QQ1
Site : GARY DEV CO INC
Lab. : SVL
Reviewer : S. CONNET
Date : 06/10/2009

Number of Soil Samples : 20
Number of Water Samples : 0

Sample Number :	ME2QQ1		ME2QQ2		ME2QQ3		ME2QQ4		ME2QQ5	
Sampling Location :	SDA1		SDA2		SDB1		SDB2		SDC1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Solids :	21.6		38.4		28.3		29.1		47.5	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	8740		4520		6130		14400		3280	
ANTIMONY	4.4	J	29.3	J	3.5	J	17.8	J	3.4	J
ARSENIC	18.5		155		5.0		71.4		8.9	
BARIUM	152		179		207		160		55.3	J
BERYLLIUM	2.3	U	1.3	U	1.8	U	1.7	U	1.1	U
CADMIUM	2.3	UJ	0.091	J-	0.88	J	7.0	J-	1.1	U
CALCIUM	19500		13000		15000		25800		6680	
CHROMIUM	185	J	472	J	38.1	J	240	J	17.3	J
COBALT	5.6	J+	23.6		2.7	J	15.4	J	1.2	J
COPPER	200	J	2120	J	81.4	J	270	J	28.4	J
IRON	79000		143000		16500		278000		12900	
LEAD	291		1690		324		784		83.5	
MAGNESIUM	5660		2210		4070		7850		1050	U
MANGANESE	890		767		345		2530		159	
MERCURY	0.53	J-	0.51	J-	0.51	J-	0.55	J-	0.19	J-
NICKEL	71.4		413		17.7		96.5		12.0	
POTASSIUM	745	J	495	J	389	J	1040	J	188	J
SELENIUM	4.4	J	9.1	U	12.4	U	12.0	U	7.4	U
SILVER	4.6	U	2.6	U	3.5	U	3.8		2.1	U
SODIUM	2310	U	1300	U	1770	U	1720	U	1050	U
THALLIUM	11.6	U	2.4	J	8.8	U	4.7	J	5.3	U
VANADIUM	49.6		27.7		24.0		53.6		13.0	
ZINC	1020		1080		439		2810		223	

Analytical Results (Qualified Data)

Case #: 38525 SDG : ME2QQ1
Site : GARY DEV CO INC
Lab. : SVL
Reviewer : S. CONNET
Date : 06/10/2009

Sample Number :	ME2QQ6		ME2QQ7		ME2QQ8		ME2QR1		ME2QR2	
Sampling Location :	SDC2		SDD1		SDD2		SDE1		SDE2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Solids :	35.1		17.4		19.0		32.0		26.9	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	5320		7650		13000		13700		13400	
ANTIMONY	2.5	J	4.4	J	6.9	J-	3.8	J-	4.1	J-
ARSENIC	10.9		10.9		35.7		18.2		18.0	
BARIUM	105		234		197		142		140	
BERYLLIUM	1.4	U	2.9	U	2.6	U	1.6	U	1.9	U
CADMIUM	1.4	U	1.2	J	2.6	UJ	1.6	UJ	0.13	J-
CALCIUM	10000		21600		70200		18400		20100	
CHROMIUM	15.2	J	42.2	J	100	J	444	J	415	J
COBALT	1.7	J	4.7	J	16.0	J	10.9	J	10.5	J
COPPER	27.4	J	94.8	J	132	J	185	J	178	J
IRON	14500		28100		124000		94300		89500	
LEAD	65.2		362		341		406		387	
MAGNESIUM	1460		4680		22700		12800		13000	
MANGANESE	187		332		1770		837		809	
MERCURY	1.4	J-	0.17	J-	0.53	UJ	0.47	J-	0.48	J-
NICKEL	15.2		27.3		76.1		79.6		77.9	
POTASSIUM	469	J	558	J	1400	J	9630		10700	
SELENIUM	10.0	U	20.1	U	18.4	U	10.9	U	13.0	U
SILVER	2.8	U	5.7	U	5.3	U	3.2		3.7	U
SODIUM	1420	U	2870	U	2630	U	6490		7870	
THALLIUM	7.1	U	14.4	U	3.2	J	7.8	U	2.1	J
VANADIUM	16.1		29.5		46.4		45.8		44.9	
ZINC	183		643		1060		1620		1540	

Analytical Results (Qualified Data)

Case #: 38525 SDG : ME2QQ1
Site : GARY DEV CO INC
Lab. : SVL
Reviewer : S. CONNET
Date : 06/10/2009

Sample Number :	ME2QR3		ME2QR4		ME2QR5		ME2QR6		ME2QR7	
Sampling Location :	SDF1		SDF2		SDG1		SDG2		SDH1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Solids :	35.2		37.4		68.6		48.3		78.9	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	12400		9930		11000		16600		11000	
ANTIMONY	9.2	J-	8.1	J	0.72	J	6.0	J	1.5	J
ARSENIC	47.4		44.6		5.6		24.1		6.4	
BARIUM	135		131		118		343		155	
BERYLLIUM	1.7		1.3		0.73	U	1.3		1.0	
CADMIUM	1.4	R	1.3	R	0.73	R	0.21	J-	0.63	J-
CALCIUM	12900		10500		35400		33600		46400	
CHROMIUM	1580	J	1490	J	28.3	J	690	J	82.0	J
COBALT	16.5		15.3		8.3		11.0		5.7	J
COPPER	328	J	303	J	66.5	J	420	J	128	J
IRON	262000		235000		19800		108000		24900	
LEAD	1070		1010		35.6		726		93.3	
MAGNESIUM	4870		4290		18600		14700		18700	
MANGANESE	2340		1990		603		1480		1340	
MERCURY	1.2	J-	1.2	J-	0.073	J-	0.66	J-	0.070	J-
NICKEL	189		172		30.1		197		34.3	
POTASSIUM	9250		7950		1760		1820		1330	
SELENIUM	9.9	U	9.4	U	5.1	U	7.2	U	4.4	U
SILVER	7.2		7.0		1.5	U	5.4		1.3	U
SODIUM	9520		8930		729	U	1040	U	634	U
THALLIUM	4.7	J	4.3	J	3.6	U	2.1	J	0.97	J
VANADIUM	46.9		42.0		24.1		49.5		40.7	
ZINC	2940		2800		115		2790		500	

Analytical Results (Qualified Data)

Case #: 38525 SDG : ME2QQ1
Site : GARY DEV CO INC
Lab. : SVL
Reviewer : S. CONNET
Date : 06/10/2009

Sample Number :	ME2QR8		ME2QR9		ME2QS0		ME2QS1		ME2QS2	
Sampling Location :	SDH2		SDI1		SDI2		SDJ1		SDJ2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Solids :	80.0		40.6		43.7		26.2		52.6	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	10500		12300		7060		13300		6740	
ANTIMONY	1.7	J	10.8	J	18.4	J	2.7	J	8.5	J
ARSENIC	3.4		47.3		67.1		7.1		47.6	
BARIUM	113		223		94.2		130		129	
BERYLLIUM	1.1		1.4		0.94	J+	0.80	J	0.93	J
CADMIUM	0.63	UJ	1.2	R	5.7	UJ	1.9	U	0.31	J
CALCIUM	51100		6850		4130		23300		5540	
CHROMIUM	128	J	1720	J	2030	J	77.0	J	882	J
COBALT	3.5	J	12.5		11.8		5.8	J	11.6	
COPPER	144	J	400	J	490	J	195	J	340	J
IRON	16000		242000		179000		23600		95100	
LEAD	190		1740		1250		145		1260	
MAGNESIUM	20900		5070		1990		12700		2960	
MANGANESE	964		2370		766		289		537	
MERCURY	0.17	J-	1.5	J-	1.0	J-	0.11	J-	0.47	J-
NICKEL	30.4		169		225		39.9		171	
POTASSIUM	1080		3530		2530		8950		3560	
SELENIUM	4.4	U	2.4	J	8.0	U	13.4	U	6.7	U
SILVER	1.3	U	11.7		5.2		3.8	U	3.5	
SODIUM	625	U	1800		2820		4790		2120	
THALLIUM	3.1	U	2.9		4.1	J	9.5	U	4.0	J
VANADIUM	18.9		51.6		32.7		33.1		28.9	
ZINC	241		6340		1400		433		2560	

MAY 29 2009

COVER PAGE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No: 38525 NRAS No.: SDG No: ME2QQ1

SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
ME2QQ1	ME2QQ1
ME2QQ2	ME2QQ2
ME2QQ3	ME2QQ3
ME2QQ4	ME2QQ4
ME2QQ5	ME2QQ5
ME2QQ6	ME2QQ6
ME2QQ7	ME2QQ7
ME2QQ8	ME2QQ8
ME2QR1	ME2QR1
ME2QR2	ME2QR2
ME2QR3	ME2QR3
ME2QR4	ME2QR4
ME2QR5	ME2QR5
ME2QR6	ME2QR6
ME2QR7	ME2QR7
ME2QR8	ME2QR8
ME2QR8D	ME2QR8D
ME2QR8S	ME2QR8S
ME2QR9	ME2QR9
ME2QS0	ME2QS0

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	NO
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	NO
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

Comments:

I certify that this data 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 of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Kirby L. Gray Name: KIRBY L. GRAY

Date: 05/26/2009 Title: TECHNICAL DIRECTOR

COVER PAGE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No: 38525 NRAS No.: SDG No: ME2QQ1

SOW No.: ILM05.4

EPA Sample No.	Lab Sample ID
ME2QS1	ME2QS1
ME2QS2	ME2QS2

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	NO
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	NO
If yes, were raw data generated before application of background corrections?	(Yes/No)	NO	NO

Comments:

I certify that this data 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 of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Kirby L. Gray Name: KIRBY L. GRAY

Date: 05/26/2009 Title: TECHNICAL DIRECTOR

SDG NARRATIVE

LAB NAME: SVL ANALYTICAL, INC.
LAB CODE: SVL
CONTRACT NO.: EP-W-08-068

CASE: 38525
SDG: ME2QQ1

SAMPLES RECEIVED FOR ICP-AES AND MERCURY ON MAY 07, 2009.
SAMPLE TAGS WERE PRESENT.
COOLER TEMPERATURE INDICATOR BOTTLE WAS PRESENT.

-INSUFFICIENT/INAPPROPRIATE DESIGNATION OF LABORATORY QC-
ISSUE: THE TR/COC DOES NOT INDICATE A SAMPLE FOR LABORATORY QC; HOWEVER PER SCHEDULING LABORATORY QC IS REQUIRED. THE LABORATORY WOULD LIKE TO SELECT SAMPLE ME2QR8 FOR QC.

RESOLUTION: IN ACCORDANCE WITH PREVIOUS DIRECTION FROM REGION 5, THE LABORATORY WILL SELECT A SAMPLE FOR LABORATORY QC AS LONG AS THE SAMPLE IS NOT A PE, BLANK, OR RINSATE SAMPLE. THE LABORATORY WILL NOTE THE ISSUE IN THE SDG NARRATIVE, NOTIFY THE SMO COORDINATOR OF THE SAMPLE SELECTED FOR LABORATORY QC, AND PROCEED WITH THE ANALYSIS OF THE SAMPLES. IF THE LABORATORY IS NOT SURE THAT THE SAMPLE THEY SELECTED IS NOT A PE, BLANK, OR RINSATE SAMPLE, THEY WILL CONTACT SMO AND WAIT FOR A RESOLUTION FROM THE REGION.

-DISCREPANCIES WITH TAGS, JARS, AND/OR TR/COC-
ISSUE: THE TR/COC LISTS THE ANALYSIS AS ICP-MS; HOWEVER, PER SCHEDULING THE ANALYSIS SHOULD BE ICP-AES PLUS HG.
RESOLUTION: PER REGION 5, THE LABORATORY SHALL PROCEED WITH THE ANALYSIS OF THE SAMPLES AS SCHEDULED, ICP-AES PLUS HG.

ISSUE: FOR SDG ME2QQ1, THE FOLLOWING SAMPLES HAVE %SOLIDS THAT ARE LESS THAN 50%:

SAMPLE ID	%SOLIDS
ME2QQ1	21.6
ME2QQ2	38.4
ME2QQ3	28.3
ME2QQ4	29.1
ME2QQ5	47.5
ME2QQ6	35.1
ME2QQ7	17.4
ME2QQ8	19.0
ME2QR1	32.0
ME2QR2	26.9
ME2QR3	35.2
ME2QR4	37.4
ME2QR6	48.3
ME2QR9	40.6
ME2QS0	43.7
ME2QS1	26.2

RESOLUTION: PER THE ILM05.4 SOW, EXHIBIT D (INTRODUCTION SECTION 1.6.7), THE LABORATORY WILL PROCEED WITH THE ANALYSIS OF THE SAMPLES AND NOTE THE

SDG NARRATIVE

LAB NAME: SVL ANALYTICAL, INC.
LAB CODE: SVL
CONTRACT NO.: EP-W-08-068

CASE: 38525
SDG: ME2QQ1

ISSUE IN THE SDG NARRATIVE. IN ADDITION, THE LABORATORY WILL REPORT THE RESULTS ON A DRY WEIGHT BASIS USING THE PERCENT SOLIDS DETERMINED BY THE LABORATORY.

ISSUE: A RETURN AIRBILL WAS NOT PROVIDED WITH THE COOLERS. THE LABORATORY HAS ASKED FOR A RETURN ADDRESS AND ACCOUNT NUMBER TO RETURN THE COOLERS.

RESOLUTION: PER REGION 5, THE LABORATORY CAN RETURN THE COOLERS BY FEDEX GROUND USING THE FOLLOWING INFORMATION:

IDEM
OFFICE OF LAND QUALITY/SITE INVESTIGATION
100 NORTH SENATE AVE.
MC 66-22, IGCN N1101
INDIANAPOLIS, IN 46204-2215
ATTN: MARK JAWORSKI
FEDEX ACCOUNT #: 12605334-7

AN "E" FLAG WAS REQUIRED FOR COPPER ON FORMS 1A AND 8. AN "E" FLAG REPRESENTS THAT THE PERCENT DIFFERENCE OF THE SERIAL DILUTION IS GREATER THAN 10% AND THE ORIGINAL SAMPLE CONCENTRATION (REPORTED ON FORM 1) IS GREATER THAN 50X THE MDL.

AN "N" FLAG WAS DESIGNATED ON FORMS 1 AND 5A FOR ANTIMONY, CHROMIUM, COPPER, AND MERCURY. AN "N" FLAG REPRESENTS THAT THE PERCENT SPIKE RECOVERY WAS OUT OF THE CONTROL LIMITS OF 75-125%. A POST DIGEST SPIKE WAS ANALYZED.

ARSENIC, COPPER, AND NICKEL ARE FLAGGED WITH AN "*" ON FORMS 1 AND 6. AN "*" FLAG REPRESENTS THAT THE DUPLICATE IS OUT OF CONTROL.

A "D" FLAG INDICATES DILUTION WAS REQUIRED.

ON THE FIRST ANALYTICAL RUN FOR ICP-AES, BARIUM, SELENIUM AND THALLIUM FAILED ON THE CCV AT 12:14; THEREFORE, BARIUM, SELENIUM AND THALLIUM WERE NOT REPORTED AFTER THE LAST GOOD CRI, CCV AND CCB AT 10:53. THERE ARE TWO DEFECTS ON THE WEBCCS THAT NEED TO BE MANUALLY REMOVED (AB03.1 AND AD02.1).

ALSO ON THE FIRST ANALYTICAL RUN FOR ICP-AES, NICKEL FAILED ON THE CCV AT 14:25; THEREFORE, NICKEL IS NOT REPORTED AFTER THE LAST GOOD CRI, CCV AND CCB AT 13:18. THERE ARE TWO DEFECTS ON THE WEBCCS THAT NEED TO BE MANUALLY REMOVED (AB03.1 AND AD02.1).

SDG NARRATIVE

LAB NAME: SVL ANALYTICAL, INC.
LAB CODE: SVL
CONTRACT NO.: EP-W-08-068

CASE: 38525
SDG: ME2QQ1

ICP-AES EXAMPLE CALCULATION: ME2QQ1 LEAD

$$\text{CONCENTRATION (DRY WT.) (MG/KG)} = \frac{C \times V}{W \times S} \times DF$$

C = CONCENTRATION (mg/L)
V = FINAL SAMPLE VOLUME IN LITERS (L)
W = WET SAMPLE WEIGHT (kg)
S = % SOLIDS/100
DF = DILUTION FACTOR

$$\frac{0.628442 \text{ mg/L} \times 0.1 \text{ L}}{0.001 \text{ kg} \times 21.6/100} \times 1 = 291 \text{ mg/kg}$$

MERCURY EXAMPLE CALCULATION: ME2QQ1

$$\text{CONCENTRATION (DRY WT.) (MG/KG)} = \frac{C \times V}{W \times S} \times DF$$

C = CONCENTRATION (ug/L)
V = FINAL SAMPLE VOLUME IN LITERS (L)
W = WET SAMPLE WEIGHT (g)
S = % SOLIDS/100
DF = DILUTION FACTOR

$$\frac{0.23 \text{ ug/L} \times 0.1 \text{ L}}{0.2 \text{ g} \times 21.6/100} \times 1 = 0.53 \text{ mg/kg}$$

Kirby Gray

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Monday, May 11, 2009 12:30
To: Blake Johnson; Crystal Sevy; Kirby Gray
Cc: mjaworsk@idem.in.gov; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab SVL | Issue Documentation | FINAL
Attachments: CASE 38525 COCs.pdf

Kirby,

Summary Start
-Insufficient/inappropriate designation of laboratory QC-
Issue 1: The TR/COC does not indicate a sample for laboratory QC; however per scheduling laboratory QC is required. The laboratory would like to select sample ME2QR8 for QC.
Resolution 1: In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE, blank, or rinsate sample, they will contact SMO and wait for a resolution from the Region.

-Discrepancies with tags, jars, and/or TR/COC-
Issue 2: The TR/COC lists the analysis as ICP-MS; however, per scheduling the analysis should be ICP-AES plus Hg.
Resolution 2: Per Region 5, the laboratory shall proceed with the analysis of the samples as scheduled, ICP-AES plus Hg.
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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-----Original Message-----
From: Layne.Warren@epamail.epa.gov [mailto:Layne.Warren@epamail.epa.gov]
Sent: Monday, May 11, 2009 3:03 PM
To: Gholam, Sara

Subject: Re: Region 05 | Case 38525 | Lab SVL | Issue Documentation

This is OK. Of course mercury is a separate analysis. Warren Warren W. Layne, Ph.D.
Chemist, QAPP Reviewer, RSCC, & Nanotechnology Lead USEPA Region 5, Superfund Division,
ISTB, FSS Mail Code: SR-4J, 77 W. Jackson Boulevard Chicago, IL 60604-3590
Tel: 312-886-7336, FAX: 312-353-9281

"Gholam, Sara"
<sgholam@fedcsc.
com>

05/11/2009 08:56 AM

To: Carlene Thomas/R5/USEPA/US@EPA, Howard Pham/R5/USEPA/US@EPA, Warren Layne/R5/USEPA/US@EPA

cc:

Subject: Region 05 | Case 38525 | Lab SVL | Issue Documentation

Warren,

SVL is reporting the following issues for Case 38525 [XXX].
Issue 1 can be resolved using a standard answer resolution; however, please advise if the PROPOSED Resolution is acceptable for issue 2 and please note the attached TR/COCs.

-Insufficient/inappropriate designation of laboratory QC- Issue 1: The TR/COC does not indicate a sample for laboratory QC; however per scheduling laboratory QC is required. The laboratory would like to select sample ME2QR8 for QC.
Resolution 1: In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE, blank, or rinsate sample, they will contact SMO and wait for a resolution from the Region.

-Discrepancies with tags, jars, and/or TR/COC- Issue 2: The TR/COC lists the analysis as ICP-MS; however, per scheduling the analysis should be ICP-AES + Hg.
PROPOSED Resolution 2: Per Region 5, the laboratory shall proceed with the analysis of the samples as scheduled, ICP-AES + Hg.

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

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5/11/2009 9:35 AM

Phone conversation between Sara Gholam (SMO) and Mark Jaworski (Region 5). Per Region 5, the laboratory shall proceed with the analysis of the samples as scheduled, ICP-AES + Hg.

From: Gholam, Sara
Sent: Friday, May 08, 2009 12:09 PM
To: 'mjaworsk@idem.in.gov'
Subject: FW: Region 05 | Case 38525 | Lab SVL | Issue Documentation

Hi Mark,

I just attempted to leave a voice mail, however I am unsure if it went through. Could you please reply to this email with a proposed resolution for issue 2?

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151 Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com
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From: Gholam, Sara
Sent: Thursday, May 07, 2009 5:20 PM
To: 'mjaworsk@idem.in.gov'
Cc: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab SVL | Issue Documentation

Mark,

SVL is reporting the following issues for Case 38525. Issue 1 can be resolved using a standard answer resolution; however, please advise how the laboratory should proceed with issue 2.

-Insufficient/inappropriate designation of laboratory QC- Issue 1: The TR/COC does not indicate a sample for laboratory QC; however per scheduling laboratory QC is required. The laboratory would like to select sample ME2QR8 for QC.
Resolution 1: In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE, blank, or rinsate sample, they will contact SMO and wait for a resolution from the Region.

-Discrepancies with tags, jars, and/or TR/COC- Issue 2: The TR/COC lists the analysis as ICP-MS; however, per scheduling the analysis should be ICP-AES + Hg.

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

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From: Kirby Gray [mailto:kirbyg@svl.net]
Sent: Thursday, May 07, 2009 5:08 PM
To: Gholam, Sara
Cc: Crystal Sevy
Subject: FW: Case 38525 | TRs

Sara,

We would like to select ME2QR8

Thanks,

Kirby Gray
Technical Director
SVL Analytical, Inc.
Ph:(208)784-1258
Fax:(208)783-0891

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From: Gholam, Sara [mailto:sgholam@fedcsc.com]
Sent: Thursday, May 07, 2009 13:49
To: Blake Johnson; Crystal Sevy; Kirby Gray]
Subject: FW: Case 38525 | TRs

Hi Kirby,

Could you please suggest a sample that the laboratory would like to select for QC?

Please let me know if you have any questions or concerns.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

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From: Kirby Gray [mailto:kirbyg@svl.net]
Sent: Thursday, May 07, 2009 4:14 PM
To: Gholam, Sara
Subject: RE: Case 38525 | TRs

Sara,

Here is a PDF of the TRs for Case 38525. I notice that the analysis is listed as ICP-MS rather than ICP-AES plus Hg. Also there is no sample listed for lab QC.

Thanks,

Kirby Gray
Technical Director
SVL Analytical, Inc.
Ph:(208)784-1258
Fax:(208)783-0891

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From: Gholam, Sara [mailto:sgholam@fedcsc.com]
Sent: Thursday, May 07, 2009 12:09
To: Blake Johnson; Crystal Sevy; Kirby Gray]
Subject: Case 38525 | TRs

Hi Kirby,

Could you please email me a PDF copy of all TRs received for Case 38525?

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151 Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com
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(See attached file: CASE 38525 COCs.pdf)

Melba Bencich

From: Kirby Gray [kirbyg@svl.net]
Sent: Thursday, May 14, 2009 9:25 AM
To: Melba Bencich
Subject: FW: Region 05 | Case 38525 | Lab SVL | SDG ME2QQ1 | Issue Non-standard matrix | FINAL

Kirby Gray
Technical Director
SVL Analytical, Inc.
Ph:(208)784-1258
Fax:(208)783-0891

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From: Gholam, Sara [mailto:sgholam@fedcsc.com]
Sent: Thursday, May 14, 2009 06:24
To: Blake Johnson; Crystal Sevy; Kirby Gray
Cc: mjaworsk@idem.in.gov; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab SVL | SDG ME2QQ1 | Issue Non-standard matrix | FINAL

Kirby,

Summary Start
Issue: For SDG ME2QQ1, the following samples have %solids that are less than 50%:

Sample ID	%Solids
ME2QQ1	21.6
ME2QQ2	38.4
ME2QQ3	28.3
ME2QQ4	29.1
ME2QQ5	47.5
ME2QQ6	35.1
ME2QQ7	17.4
ME2QQ8	19.0
ME2QR1	32.0
ME2QR2	26.9
ME2QR3	35.2
ME2QR4	37.4
ME2QR6	48.3
ME2QR9	40.6
ME2QS0	43.7
ME2QS1	26.2

Resolution: Per the ILM05.4 SOW, Exhibit D (Introduction Section 1.6.7), the Laboratory will proceed with the analysis of the samples and note the issue in the SDG Narrative. In addition, the Laboratory will report the results

on a dry weight basis using the percent solids determined by the Laboratory.
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

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From: Kirby Gray [mailto:kirbyg@svl.net]
Sent: Wednesday, May 13, 2009 6:35 PM
To: Gholam, Sara
Subject: Region 5 | Case 38525 SDG ME2QQ1 | Lab SVL | Low % Solids |

Sara,

For SDG ME2QQ1 the following samples have % solids that are less than 50%.

SAMPLE ID	% SOLIDS
ME2QQ1	21.6
ME2QQ2	38.4
ME2QQ3	28.3
ME2QQ4	29.1
ME2QQ5	47.5
ME2QQ6	35.1
ME2QQ7	17.4
ME2QQ8	19.0
ME2QR1	32.0
ME2QR2	26.9
ME2QR3	35.2
ME2QR4	37.4
ME2QR6	48.3
ME2QR9	40.6
ME2QS0	43.7
ME2QS1	26.2

Thank you,

Kirby Gray
Technical Director
SVL Analytical, Inc.
Ph:(208)784-1258
Fax:(208)783-0891

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ESAT Tracking Log-In Sheet

Data Review Level 3 SOW Version # ILM05.4
# of Folders 1 Site/Project ID: B52L

Date Received at CRL 29 May 09 Request: Superset EDD, PDF Required

USER: IDEM

Email: MJAWORSK@idem.IN.gov

Site Name: Gary Dev Co Inc (IN)

Case/SAS Number: 38525 SDG. No. ME2QQ1

Sampling Date: 5 May 09 Date Shipped: 6 May 09

Contract Lab: SVL ANALYTICAL

Number of Samples: 20 Date of ETM 22 June 09

Samples	Matrix	Analyses
ME2QQ1-Q8;	(Soil) Water Other	ICP/~~MS~~ = CLP
B1-B9;	Soil Water Other	TAL Total
S0-S2	Soil Water Other	Metals
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	
	Soil Water Other	

Analyses: **CN = Cyanide** **Hg = Mercury** **PCBs or P/P = Pesticides**
SV = Semi-volatiles **TM = Total Metals** **V = Volatiles**

*Make sure you log Data Cases into Data Log Book spreadsheet.

SAMPLE LOG-IN SHEET

Lab Name SVL ANALYTICAL		Page 1 of 2
Received By (Print Name) R. STRIBLING		Log-in Date 5/7/2009
Received By (Signature) R. Stribling / CA		
Case Number 38525	Sample Delivery Group No. ME2QQ1	NRAS Number N/A

Remarks:

1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal Nos.	23941/23979
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	811417071980
6. Sample Tags	Present/Absent*
Sample Tag Numbers	Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/ Leaking
8. Cooler Temperature Indicator Bottle	Present/Absent*
9. Cooler Temperature	9.7°C
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
11. Date Received at Lab	5/7/2009
12. Time Received	11:15

Sample Transfer

Fraction	N/A	Fraction	N/A
Area # RecRmClr 3A		Area #	N/A
By	N/A	By	N/A
On	N/A	On	N/A

EPA Sample #	Aqueous Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
ME2QQ1	N/A	5C129001	ME2QQ1	INTACT
ME2QQ2	N/A	5C129005	ME2QQ2	INTACT
ME2QQ3	N/A	5C129009	ME2QQ3	INTACT
ME2QQ4	N/A	5C129013	ME2QQ4	INTACT
ME2QQ5	N/A	5C129017	ME2QQ5	INTACT
ME2QQ6	N/A	5C129021	ME2QQ6	INTACT
ME2QQ7	N/A	5C129025	ME2QQ7	INTACT
ME2QQ8	N/A	5C129029	ME2QQ8	INTACT
ME2QR1	N/A	5C129052	ME2QR1	INTACT
ME2QR2	N/A	5C129056	ME2QR2	INTACT
ME2QR3	N/A	5C129060	ME2QR3	INTACT
ME2QR4	N/A	5C129064	ME2QR4	INTACT
ME2QR5	N/A	5C129068	ME2QR5	INTACT
ME2QR6	N/A	5C129072	ME2QR6	INTACT
ME2QR7	N/A	5C129076	ME2QR7	INTACT
ME2QR8	N/A	5C129080	ME2QR8	INTACT
ME2QR9	N/A	5C129084	ME2QR9	INTACT
ME2QS0	N/A	5C129033	ME2QS0	INTACT

* Contact SMO and attach record of resolution

Reviewed By Kristy Geary	N/A	Logbook No.	N/A
Date 05/11/2009	N/A	Logbook Page No.	N/A

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 38525 SDG No. M2QQ1 SDG Nos. to Follow ___ SAS No. N/A Date Recvd 5/29/09

EPA Lab ID: SVL	ORIGINALS	YES	NO	N/A
Lab Location: Kellogg, ID	CUSTODY SEALS			
Region: 5 Audit No:	1. Present on package?	X		
Re-Submitted CSF? Yes____ No X	2. Intact upon receipt?	X		
Box No (s):	FORM DC-2			
COMMENTS:	3. Numbering scheme accurate?	✓		
7- SAMPLE TRANSFER NOT COMPLETE	4. Are enclosed documents listed?	✓		
(NO INITIALS/DATE)	5. Are listed documents enclosed?	✓		
	FORM DC-1			
	6. Present?	✓		
	7. Complete?		✓	
	8. Accurate?	✓		
	CHAIN-OF-CUSTODY RECORD(s)			
	9. Signed?	✓		
	10. Dated?	✓		
	TRAFFIC REPORT (s) / PACKING LIST(s)			
	11. Signed?	✓		
	12. Dated?	✓		
	AIRBILLS / AIRBILL STICKER			
	13. Present?	✓		
	14. Signed?	✓		
	15. Dated?	✓		
	SAMPLE TAGS			
	16. Does DC-1 list tags as being included?	✓		
	17. Present?	✓		
	OTHER DOCUMENTS			
	18. Complete?	✓		
	19. Legible?	✓		
	20. Original?		✓	
Over for additional comments.	If 'NO', does the copy indicate where the original documents are located?		✓	

RECEIVED
JUN 29 2009
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

Received by: PJoyner — Pat A. Joyner - DATA COOR Date 6/2/09

Audited by: [signature] — STEPHEN CONNET / ESAT CHEMIST Date 6/9/09

Audited by: _____ Signature _____ Printed Name/ Title Date ___/___/___

TO BE COMPLETED BY CEAT

Date Recvd by CEAT: ___/___/___ Date Entered: ___/___/___ Date Reviewed: ___/___/___

Entered by: _____

Reviewed by: _____ Signature _____ Printed Name/ Title

DC-2 (ESAT)

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME SVL ANALYTICAL, INC.
CITY/STATE KELLOGG, IDAHO 83837

CASE 38525 SDG. ME2QQ1
SDG NOs. TO FOLLOW ME2QQ1
NRAS NO. N/A

CONTRACT NO. EP-W-08-068
SOW NO. ILM05.4

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

		Page NOs. FROM	Page NOs. TO	CHECK LAB	CHECK REGION
1.	Cover Page	1	2	✓	✓
2.	SDG Narrative	3	5	✓	✓
3.	Sample Log-In Sheet (DC-1)	6	7	✓	✓
4.	Inventory Sheet (DC-2)	8	9	✓	✓
5.	Traffic Report/Chain of Custody Records(s)	10	12	✓	✓
6.	Inorganic Analysis Data sheet (Form I-IN)	13	32	✓	✓
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	33	39	✓	✓
8.	CRQL Standard (Form IIB-IN)	40	45	✓	✓
9.	Blanks (Form III-IN)	46	50	✓	✓
10.	ICP-AES Interference Check Sample (Form IVA-IN)	51	54	✓	✓
11.	ICP-MS Interference Check Sample (Form IVB-IN)	N/A			
12.	Matrix Spike Sample Recovery (Form VA-IN)	55	55	✓	✓
13.	Post-Digestion Spike Sample Recovery (Form VB-IN)	56	56	✓	✓
14.	Duplicates (Form VI-IN)	57	57	✓	✓
15.	Laboratory Control Sample (Form VII-IN)	58	58	✓	✓
16.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	59	59	✓	✓
17.	Method Detection Limits (Annually) (Form IX-IN)	60	64	✓	✓
18.	ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	65	65	✓	✓
19.	ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	66	69	✓	✓
20.	ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	70	70	✓	✓
21.	Preparation Log (Form XII-IN)	71	73	✓	✓

	FROM	TO	LAB	REGION
22. Analysis Run Log (Form XIII-IN)	74	78	✓	✓
23. ICP-MS Tune (Form XIV-IN)	N/A			
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	N/A			
25. ICP-AES Raw Data	79	315	✓	✓
26. GFAA Raw Data (If Applicable)	N/A			
27. ICP-MS Raw Data	N/A			
28. Mercury Raw Data	316	318	✓	✓
29. Cyanide Raw Data	N/A			
30. Preparation Logs Raw Data	319	322	✓	✓
31. Percent Solids Determination Log	323	324	✓	✓
32. USEPA Shipping/Receiving Documents Airbill (No. of Shipments 1)	325	325	✓	✓
Sample Tags	326	346	✓	✓ - 326 = BAC
Sample Log-In Sheet (Lab)	N/A			
33. Misc. Shipping/Receiving Records (list all individual records) Telephone Logs	347	356	✓	✓
TRANSMITTAL/CUSTODY SEAL	357	357	✓	✓
SAMPLE RECEIPT	358	358	✓	✓
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list) INTERNAL COC	359	363	✓	✓
	N/A			
35. Internal Original Sample Prep & Analysis Records (describe or list) Prep Records STANDARDS	364	411	✓	✓
Analysis Records RUN LOGS	412	416	✓	✓
Description	N/A			
36. Other Records (describe or list) Telephone Communications Log	N/A			
CONFIRMATION	417	420	✓	✓

37. Comments: PAGES 421 - 425 BETWEEN 356 AND 357 (414-425 INCLUDED) ✓

completed by:
(CLP Lab) [signature] (Signature) MELBA BENCICH, DCO (Print Name & Title) 05/27/2009 (Date)

Authorized by:
(USEPA) [signature] STEPHEN CONNET/ESAT CHEMIST 6-9-09

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 29 May-09

FROM: Stephen L. Ostrodka, Chief (SRT-5J)
Superfund Field Services Section

TO: Data User: IDEM

We have reviewed the data for the following case:

SITE NAME: GARY DEV CO. INC. (IN)

CASE NUMBER: 38525 SDG NUMBER: ME2QQ1

Number and Type of Samples: 20 Soil Samples

Sample Numbers: ME2QQ1-Q8; R1-R9; SD-S2

Laboratory: SVL ANALYTICAL, INC. Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-5J

Lab Name SVL ANALYTICAL					Page 2 of 2
Received By (Print Name) R. STRIBLING					Log-in Date 5/7/2009
Received By (Signature) R. Stribling 104					
Case Number 38525	Sample Delivery Group No. ME2QQ1				NRAS Number N/A

Remarks:		EPA Sample #	Aqueous Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1. Custody Seal(s)	Present/Absent* Intact/Broken	ME2QS1	N/A	5C129037	ME2QS1	INTACT
2. Custody Seal Nos.	23941/23979	ME2QS2	N/A	5C129041	ME2QS2	INTACT
3. Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*	N/A	N/A	N/A	N/A	N/A
4. Airbill	Airbill/Sticker Present/Absent*	N/A	N/A	N/A	N/A	N/A
5. Airbill No.	811417071980	N/A	N/A	N/A	N/A	N/A
6. Sample Tags	Present/Absent*	N/A	N/A	N/A	N/A	N/A
Sample Tag Numbers	Listed/Not Listed on Traffic Report/Chain of Custody Record	N/A	N/A	N/A	N/A	N/A
7. Sample Condition	Intact/Broken*/ Leaking	N/A	N/A	N/A	N/A	N/A
8. Cooler Temperature Indicator Bottle	Present/Absent*	N/A	N/A	N/A	N/A	N/A
9. Cooler Temperature	9.7°C	N/A	N/A	N/A	N/A	N/A
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*	N/A	N/A	N/A	N/A	N/A
11. Date Received at Lab	5/7/2009	N/A	N/A	N/A	N/A	N/A
12. Time Received	11:15	N/A	N/A	N/A	N/A	N/A
Sample Transfer		N/A	N/A	N/A	N/A	N/A
Fraction N/A	Fraction N/A	N/A	N/A	N/A	N/A	N/A
Area # RecRmClr 3A	Area # N/A	N/A	N/A	N/A	N/A	N/A
By N/A	By N/A	N/A	N/A	N/A	N/A	N/A
On N/A	On N/A	N/A	N/A	N/A	N/A	N/A

* Contact SMO and attach record of resolution

Reviewed By Kirby Leary	N/A	Logbook No. N/A
Date 05/11/2009	N/A	Logbook Page No. N/A

Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number: **ME2QQ1**

[X] ICP-AES Analysis [ ] ICP-MS Analysis

Laboratory Name: **SVL Analytical, Inc.** Laboratory Code: **SVL**

Contract No.: **EP-W-08-068** Case No.: **38525**

Analysis Price: **$182.00** SDG Turnaround: **21**

Modified Analysis (if applicable):

Modification Reference No.: N/A

USEPA Sample Numbers in SDG (Listed in Numerical Order)

1) **ME2QQ1**	7) **ME2QQ7**	13) **ME2QR5**	19) **ME2QS1**
2) **ME2QQ2**	8) **ME2QQ8**	14) **ME2QR6**	20) **ME2QS2**
3) **ME2QQ3**	9) **ME2QR1**	15) **ME2QR7**	
4) **ME2QQ4**	10) **ME2QR2**	16) **ME2QR8**	
5) **ME2QQ5**	11) **ME2QR3**	17) **ME2QR9**	
6) **ME2QQ6**	12) **ME2QR4**	18) **ME2QS0**	

ME2QQ1
First Sample in SDG

ME2QS2
Last Sample in SDG

05/07/2009
First Sample Receipt Date

05/07/2009
Last Sample Receipt Date

Note: *There are a maximum of 20* ***field*** *samples (excluding PE samples) in an SDG. Attach the TR/COC Reports to this form in alphanumeric order (the order listed above on this form).*

Signature: [signature] Date 5/7/09

EPA

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

W9E0163

Case No: 38525
DAS No:
SDG No: ME2QQ1

L

Date Shipped:	5/6/2009
Carrier Name:	FedEx
Airbill:	811477771980
Shipped to:	SVL Analytical Inc. One Government Gulch Kellogg ID 83837 (208) 784-1258

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	5/6/09 2:30 pm	R. Strebling	05/07/2009 11:15
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:	EPW-08068
Unit Price:	182.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME2QQ1	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129001 (Ice Only) (1)	SDA1	S: 5/5/2009	11:25		
ME2QQ2	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129005 (Ice Only) (1)	SDA2	S: 5/5/2009	11:40		
ME2QQ3	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129009 (Ice Only) (1)	SDB1	S: 5/5/2009	12:30		
ME2QQ4	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129013 (Ice Only) (1)	SDB2	S: 5/5/2009	12:42		
ME2QQ5	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129017 (Ice Only) (1)	SDC1	S: 5/5/2009	14:20		
ME2QQ6	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129021 (Ice Only) (1)	SDC2	S: 5/5/2009	14:35		
ME2QQ7	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129025 (Ice Only) (1)	SDD1	S: 5/5/2009	15:15		
ME2QQ8	Sediment/ Mike Sickels	M/G	ICP/MS (21)	5C129029 (Ice Only) (1)	SDD2	S: 5/5/2009	15:30		
ME2QR1	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129052 (Ice Only) (1)	SDE1	S: 5/5/2009	11:39		
ME2QR2	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129056 (Ice Only) (1)	SDE2	S: 5/5/2009	11:40		

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
		[signature]	9.7°	23941 23949

Analysis Key: ICP/MS = CLP TAL Total Metals ICP/MS

Concentration: L = Low, M = Low/Medium, H = High

Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ___ Shipment Iced? ___

TR Number: 5433105891-050609-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sa[illegible] Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., C[illegible]y, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

F2V5.1.047 [illegible]ge 1 of 2

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

W9E0163

Case No:	38525
DAS No:	
SDG No:	ME2QQ1

L

Date Shipped:	5/6/2009
Carrier Name:	FedEx
Airbill:	811417071980
Shipped to:	SVL Analytical Inc. One Government Gulch Kellogg ID 83837 (208) 784-1258

Chain of Custody Record		Sampler Signature:	
Relinquished By	(Date / Time)	Received By	(Date / Time)
1	5/6/09 12:30	R. Stubling	05/07/2009 11:15
2			
3			
4			

For Lab Use Only

Lab Contract No:	EPW-08068
Unit Price:	182.00
Transfer To:	
Lab Contract No:	
Unit Price:	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
ME2QR3	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129060 (Ice Only) (1)	SDF1	S: 5/5/2009	12:03		
ME2QR4	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129064 (Ice Only) (1)	SDF2	S: 5/5/2009	12:05		
ME2QR5	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129068 (Ice Only) (1)	SDG1	S: 5/5/2009	13:10		
ME2QR6	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129072 (Ice Only) (1)	SDG2	S: 5/5/2009	13:20		
ME2QR7	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129076 (Ice Only) (1)	SDH1	S: 5/5/2009	14:00		
ME2QR8	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129080 (Ice Only) (1)	SDH2	S: 5/5/2009	14:20		
ME2QR9	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129084 (Ice Only) (1)	SDI1	S: 5/5/2009	15:25		
ME2QS0	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129033 (Ice Only) (1)	SDI2	S: 5/5/2009	15:35		
ME2QS1	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129037 (Ice Only) (1)	SDJ1	S: 5/5/2009	16:11		
ME2QS2	Sediment/ Mark Jaworski	M/G	ICP/MS (21)	5C129041 (Ice Only) (1)	SDJ2	S: 5/5/2009	16:21		

Shipment for Case Complete?Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 9.7°	Chain of Custody Seal Number: 23941 23979
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? ___ Shipment Iced? ___

ICP/MS = CLP TAL Total Metals ICP/MS

TR Number: 5-433105891-050609-0001

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ1

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ1

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 21.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8740		*	P
7440-36-0	Antimony	4.4	J	N	P
7440-38-2	Arsenic	18.5			P
7440-39-3	Barium	152			P
7440-41-7	Beryllium	1.2	J		P
7440-43-9	Cadmium	2.3	U		P
7440-70-2	Calcium	19500			P
7440-47-3	Chromium	185		N	P
7440-48-4	Cobalt	5.6	J		P
7440-50-8	Copper	200		NE*	P
7439-89-6	Iron	79000			P
7439-92-1	Lead	291		*	P
7439-95-4	Magnesium	5660			P
7439-96-5	Manganese	890			P
7439-97-6	Mercury	0.53		N	CV
7440-02-0	Nickel	71.4			P
7440-09-7	Potassium	745	J		P
7782-49-2	Selenium	4.4	J		P
7440-22-4	Silver	2.6	J		P
7440-23-5	Sodium	249	J		P
7440-28-0	Thallium	11.6	U		P
7440-62-2	Vanadium	49.6			P
7440-66-6	Zinc	1020			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ2

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ2

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 38.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4520		*	P
7440-36-0	Antimony	29.3		N	P
7440-38-2	Arsenic	155			P
7440-39-3	Barium	179			P
7440-41-7	Beryllium	0.68	J		P
7440-43-9	Cadmium	0.091	J		P
7440-70-2	Calcium	13000			P
7440-47-3	Chromium	472		N	P
7440-48-4	Cobalt	23.6			P
7440-50-8	Copper	2120		NE*	P
7439-89-6	Iron	143000		D	P
7439-92-1	Lead	1690		*	P
7439-95-4	Magnesium	2210			P
7439-96-5	Manganese	767			P
7439-97-6	Mercury	0.51		N	CV
7440-02-0	Nickel	413			P
7440-09-7	Potassium	495	J		P
7782-49-2	Selenium	9.1	U		P
7440-22-4	Silver	2.5	J		P
7440-23-5	Sodium	181	J		P
7440-28-0	Thallium	2.4	J		P
7440-62-2	Vanadium	27.7			P
7440-66-6	Zinc	1080			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.
ME2QQ3

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ3

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 28.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6130		*	P
7440-36-0	Antimony	3.5	J	N	P
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	207			P
7440-41-7	Beryllium	0.88	J		P
7440-43-9	Cadmium	0.89	J		P
7440-70-2	Calcium	15000			P
7440-47-3	Chromium	38.1		N	P
7440-48-4	Cobalt	2.7	J		P
7440-50-8	Copper	81.4		NE*	P
7439-89-6	Iron	16500			P
7439-92-1	Lead	324		*	P
7439-95-4	Magnesium	4070			P
7439-96-5	Manganese	345			P
7439-97-6	Mercury	0.51		N	CV
7440-02-0	Nickel	17.7			P
7440-09-7	Potassium	389	J		P
7782-49-2	Selenium	12.4	U		P
7440-22-4	Silver	1.6	J		P
7440-23-5	Sodium	405	J		P
7440-28-0	Thallium	8.8	U		P
7440-62-2	Vanadium	24.0			P
7440-66-6	Zinc	439			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ4

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ4

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 29.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14400		*	P
7440-36-0	Antimony	17.8	J	N	P
7440-38-2	Arsenic	71.4			P
7440-39-3	Barium	160			P
7440-41-7	Beryllium	1.7	J		P
7440-43-9	Cadmium	7.0			P
7440-70-2	Calcium	25800			P
7440-47-3	Chromium	240		N	P
7440-48-4	Cobalt	15.4	J		P
7440-50-8	Copper	270		NE*	P
7439-89-6	Iron	278000		D	P
7439-92-1	Lead	784		*	P
7439-95-4	Magnesium	7850			P
7439-96-5	Manganese	2530			P
7439-97-6	Mercury	0.55		N	CV
7440-02-0	Nickel	96.5			P
7440-09-7	Potassium	1040	J		P
7782-49-2	Selenium	12.0	U		P
7440-22-4	Silver	3.8			P
7440-23-5	Sodium	114	J		P
7440-28-0	Thallium	4.7	J		P
7440-62-2	Vanadium	53.6			P
7440-66-6	Zinc	2810			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ5

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ5

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 47.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3280		*	P
7440-36-0	Antimony	3.4	J	N	P
7440-38-2	Arsenic	8.9			P
7440-39-3	Barium	55.3			P
7440-41-7	Beryllium	0.36	J		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	6680			P
7440-47-3	Chromium	17.3		N	P
7440-48-4	Cobalt	1.2	J		P
7440-50-8	Copper	28.4		NE*	P
7439-89-6	Iron	12900			P
7439-92-1	Lead	83.5		*	P
7439-95-4	Magnesium	731	J		P
7439-96-5	Manganese	159			P
7439-97-6	Mercury	0.19	J	N	CV
7440-02-0	Nickel	12.0			P
7440-09-7	Potassium	188	J		P
7782-49-2	Selenium	7.4	U		P
7440-22-4	Silver	0.29	J		P
7440-23-5	Sodium	64.2	J		P
7440-28-0	Thallium	5.3	U		P
7440-62-2	Vanadium	13.0			P
7440-66-6	Zinc	223			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ6

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ6

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 35.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5320		*	P
7440-36-0	Antimony	2.5	J	N	P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	105			P
7440-41-7	Beryllium	0.47	J		P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	10000			P
7440-47-3	Chromium	15.2		N	P
7440-48-4	Cobalt	1.7	J		P
7440-50-8	Copper	27.4		NE*	P
7439-89-6	Iron	14500			P
7439-92-1	Lead	65.2		*	P
7439-95-4	Magnesium	1460			P
7439-96-5	Manganese	187			P
7439-97-6	Mercury	1.4		N	CV
7440-02-0	Nickel	15.2			P
7440-09-7	Potassium	469	J		P
7782-49-2	Selenium	10.0	U		P
7440-22-4	Silver	0.25	J		P
7440-23-5	Sodium	169	J		P
7440-28-0	Thallium	7.1	U		P
7440-62-2	Vanadium	16.1			P
7440-66-6	Zinc	183			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ7

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ7

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 17.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7650		*	P
7440-36-0	Antimony	4.4	J	N	P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	234			P
7440-41-7	Beryllium	1.0	J		P
7440-43-9	Cadmium	1.2	J		P
7440-70-2	Calcium	21600			P
7440-47-3	Chromium	42.2		N	P
7440-48-4	Cobalt	4.7	J		P
7440-50-8	Copper	94.8		NE*	P
7439-89-6	Iron	28100			P
7439-92-1	Lead	362		*	P
7439-95-4	Magnesium	4680			P
7439-96-5	Manganese	332			P
7439-97-6	Mercury	0.17	J	N	CV
7440-02-0	Nickel	27.3			P
7440-09-7	Potassium	558	J		P
7782-49-2	Selenium	20.1	U		P
7440-22-4	Silver	1.9	J		P
7440-23-5	Sodium	710	J		P
7440-28-0	Thallium	14.4	U		P
7440-62-2	Vanadium	29.5			P
7440-66-6	Zinc	643			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QQ8

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QQ8

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 19.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13000		*	P
7440-36-0	Antimony	6.9	J	N	P
7440-38-2	Arsenic	35.7			P
7440-39-3	Barium	197			P
7440-41-7	Beryllium	1.3	J		P
7440-43-9	Cadmium	2.6	U		P
7440-70-2	Calcium	70200			P
7440-47-3	Chromium	100		N	P
7440-48-4	Cobalt	16.0	J		P
7440-50-8	Copper	132		NE*	P
7439-89-6	Iron	124000			P
7439-92-1	Lead	341		*	P
7439-95-4	Magnesium	22700			P
7439-96-5	Manganese	1770			P
7439-97-6	Mercury	0.53	U	N	CV
7440-02-0	Nickel	76.1			P
7440-09-7	Potassium	1400	J		P
7782-49-2	Selenium	18.4	U		P
7440-22-4	Silver	1.3	J		P
7440-23-5	Sodium	242	J		P
7440-28-0	Thallium	3.2	J		P
7440-62-2	Vanadium	46.4			P
7440-66-6	Zinc	1060			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR1

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR1

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 32.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13700		*	P
7440-36-0	Antimony	3.8	J	N	P
7440-38-2	Arsenic	18.2			P
7440-39-3	Barium	142			P
7440-41-7	Beryllium	1.0	J		P
7440-43-9	Cadmium	1.6	U		P
7440-70-2	Calcium	18400			P
7440-47-3	Chromium	444		N	P
7440-48-4	Cobalt	10.9	J		P
7440-50-8	Copper	185		NE*	P
7439-89-6	Iron	94300			P
7439-92-1	Lead	406		*	P
7439-95-4	Magnesium	12800			P
7439-96-5	Manganese	837			P
7439-97-6	Mercury	0.47		N	CV
7440-02-0	Nickel	79.6			P
7440-09-7	Potassium	9630			P
7782-49-2	Selenium	2.9	J		P
7440-22-4	Silver	3.2			P
7440-23-5	Sodium	6490			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	45.8			P
7440-66-6	Zinc	1620			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR2

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR2

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 26.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13400		*	P
7440-36-0	Antimony	4.1	J	N	P
7440-38-2	Arsenic	18.0			P
7440-39-3	Barium	140			P
7440-41-7	Beryllium	1.0	J		P
7440-43-9	Cadmium	0.12	J		P
7440-70-2	Calcium	20100			P
7440-47-3	Chromium	415		N	P
7440-48-4	Cobalt	10.5	J		P
7440-50-8	Copper	178		NE*	P
7439-89-6	Iron	89500			P
7439-92-1	Lead	387		*	P
7439-95-4	Magnesium	13000			P
7439-96-5	Manganese	809			P
7439-97-6	Mercury	0.48		N	CV
7440-02-0	Nickel	77.9			P
7440-09-7	Potassium	10700			P
7782-49-2	Selenium	13.0	U		P
7440-22-4	Silver	3.2	J		P
7440-23-5	Sodium	7870			P
7440-28-0	Thallium	2.1	J		P
7440-62-2	Vanadium	44.9			P
7440-66-6	Zinc	1540			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR3

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR3

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 35.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12400		*	P
7440-36-0	Antimony	9.1	J	N	P
7440-38-2	Arsenic	47.4			P
7440-39-3	Barium	135			P
7440-41-7	Beryllium	1.7			P
7440-43-9	Cadmium	1.4	U		P
7440-70-2	Calcium	12900			P
7440-47-3	Chromium	1580		N	P
7440-48-4	Cobalt	16.5			P
7440-50-8	Copper	328		NE*	P
7439-89-6	Iron	262000		D	P
7439-92-1	Lead	1070		*	P
7439-95-4	Magnesium	4870			P
7439-96-5	Manganese	2340			P
7439-97-6	Mercury	1.2		N	CV
7440-02-0	Nickel	189			P
7440-09-7	Potassium	9250			P
7782-49-2	Selenium	9.9	U		P
7440-22-4	Silver	7.2			P
7440-23-5	Sodium	9520			P
7440-28-0	Thallium	4.7	J		P
7440-62-2	Vanadium	46.9			P
7440-66-6	Zinc	2940			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR4

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR4

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 37.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9930		*	P
7440-36-0	Antimony	8.1	J	N	P
7440-38-2	Arsenic	44.6			P
7440-39-3	Barium	131			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	1.3	U		P
7440-70-2	Calcium	10500			P
7440-47-3	Chromium	1490		N	P
7440-48-4	Cobalt	15.3			P
7440-50-8	Copper	303		NE*	P
7439-89-6	Iron	235000		D	P
7439-92-1	Lead	1010		*	P
7439-95-4	Magnesium	4290			P
7439-96-5	Manganese	1990			P
7439-97-6	Mercury	1.2		N	CV
7440-02-0	Nickel	172			P
7440-09-7	Potassium	7950			P
7782-49-2	Selenium	9.4	U		P
7440-22-4	Silver	7.0			P
7440-23-5	Sodium	8930			P
7440-28-0	Thallium	4.3	J		P
7440-62-2	Vanadium	42.0			P
7440-66-6	Zinc	2800			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR5

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR5

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 68.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000		*	P
7440-36-0	Antimony	0.72	J	N	P
7440-38-2	Arsenic	5.6			P
7440-39-3	Barium	118			P
7440-41-7	Beryllium	0.60	J		P
7440-43-9	Cadmium	0.73	U		P
7440-70-2	Calcium	35400			P
7440-47-3	Chromium	28.3		N	P
7440-48-4	Cobalt	8.3			P
7440-50-8	Copper	66.5		NE*	P
7439-89-6	Iron	19800			P
7439-92-1	Lead	35.6		*	P
7439-95-4	Magnesium	18600			P
7439-96-5	Manganese	603			P
7439-97-6	Mercury	0.073	J	N	CV
7440-02-0	Nickel	30.1			P
7440-09-7	Potassium	1760			P
7782-49-2	Selenium	5.1	U		P
7440-22-4	Silver	1.5	U		P
7440-23-5	Sodium	126	J		P
7440-28-0	Thallium	3.6	U		P
7440-62-2	Vanadium	24.1			P
7440-66-6	Zinc	115			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR6

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR6

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 48.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16600		*	P
7440-36-0	Antimony	6.0	J	N	P
7440-38-2	Arsenic	24.1			P
7440-39-3	Barium	343			P
7440-41-7	Beryllium	1.3			P
7440-43-9	Cadmium	0.21	J		P
7440-70-2	Calcium	33600			P
7440-47-3	Chromium	690		N	P
7440-48-4	Cobalt	11.0			P
7440-50-8	Copper	420		NE*	P
7439-89-6	Iron	108000		D	P
7439-92-1	Lead	726		*	P
7439-95-4	Magnesium	14700			P
7439-96-5	Manganese	1480			P
7439-97-6	Mercury	0.66		N	CV
7440-02-0	Nickel	197			P
7440-09-7	Potassium	1820			P
7782-49-2	Selenium	7.2	U		P
7440-22-4	Silver	5.4			P
7440-23-5	Sodium	444	J		P
7440-28-0	Thallium	2.1	J		P
7440-62-2	Vanadium	49.5			P
7440-66-6	Zinc	2790			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR7

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR7

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 78.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11000		*	P
7440-36-0	Antimony	1.5	J	N	P
7440-38-2	Arsenic	6.4			P
7440-39-3	Barium	155			P
7440-41-7	Beryllium	1.0			P
7440-43-9	Cadmium	0.63	J		P
7440-70-2	Calcium	46400			P
7440-47-3	Chromium	82.0		N	P
7440-48-4	Cobalt	5.7	J		P
7440-50-8	Copper	128		NE*	P
7439-89-6	Iron	24900			P
7439-92-1	Lead	93.3		*	P
7439-95-4	Magnesium	18700			P
7439-96-5	Manganese	1340			P
7439-97-6	Mercury	0.070	J	N	CV
7440-02-0	Nickel	34.3			P
7440-09-7	Potassium	1330			P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	0.39	J		P
7440-23-5	Sodium	283	J		P
7440-28-0	Thallium	0.97	J		P
7440-62-2	Vanadium	40.7			P
7440-66-6	Zinc	500			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR8

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR8

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10500		*	P
7440-36-0	Antimony	1.7	J	N	P
7440-38-2	Arsenic	3.4			P
7440-39-3	Barium	113			P
7440-41-7	Beryllium	1.1			P
7440-43-9	Cadmium	0.62	U		P
7440-70-2	Calcium	51100			P
7440-47-3	Chromium	128		N	P
7440-48-4	Cobalt	3.5	J		P
7440-50-8	Copper	144		NE*	P
7439-89-6	Iron	16000			P
7439-92-1	Lead	190		*	P
7439-95-4	Magnesium	20900			P
7439-96-5	Manganese	964			P
7439-97-6	Mercury	0.17		N	CV
7440-02-0	Nickel	30.4			P
7440-09-7	Potassium	1080			P
7782-49-2	Selenium	4.4	U		P
7440-22-4	Silver	0.56	J		P
7440-23-5	Sodium	390	J		P
7440-28-0	Thallium	3.1	U		P
7440-62-2	Vanadium	18.9			P
7440-66-6	Zinc	241			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QR9

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QR9

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 40.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12300		*	P
7440-36-0	Antimony	10.8	J	N	P
7440-38-2	Arsenic	47.3			P
7440-39-3	Barium	223			P
7440-41-7	Beryllium	1.4			P
7440-43-9	Cadmium	1.2	U		P
7440-70-2	Calcium	6850			P
7440-47-3	Chromium	1720		N	P
7440-48-4	Cobalt	12.5			P
7440-50-8	Copper	400		NE*	P
7439-89-6	Iron	242000		D	P
7439-92-1	Lead	1740		*	P
7439-95-4	Magnesium	5070			P
7439-96-5	Manganese	2370			P
7439-97-6	Mercury	1.5		N	CV
7440-02-0	Nickel	169			P
7440-09-7	Potassium	3530			P
7782-49-2	Selenium	2.4	J		P
7440-22-4	Silver	11.7			P
7440-23-5	Sodium	1800			P
7440-28-0	Thallium	2.9	J		P
7440-62-2	Vanadium	51.6			P
7440-66-6	Zinc	6340			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QS0

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QS0

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 43.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7060		*	P
7440-36-0	Antimony	18.4		N	P
7440-38-2	Arsenic	67.1			P
7440-39-3	Barium	94.2			P
7440-41-7	Beryllium	0.94	J		P
7440-43-9	Cadmium	1.1	U		P
7440-70-2	Calcium	4130			P
7440-47-3	Chromium	2030		N	P
7440-48-4	Cobalt	11.8			P
7440-50-8	Copper	490		NE*	P
7439-89-6	Iron	179000		D	P
7439-92-1	Lead	1250		*	P
7439-95-4	Magnesium	1990			P
7439-96-5	Manganese	766			P
7439-97-6	Mercury	1.0		N	CV
7440-02-0	Nickel	225			P
7440-09-7	Potassium	2530			P
7782-49-2	Selenium	8.0	U		P
7440-22-4	Silver	5.2			P
7440-23-5	Sodium	2820			P
7440-28-0	Thallium	4.1	J		P
7440-62-2	Vanadium	32.7			P
7440-66-6	Zinc	1400			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QS1

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QS1

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 26.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300		*	P
7440-36-0	Antimony	2.7	J	N	P
7440-38-2	Arsenic	7.1			P
7440-39-3	Barium	130			P
7440-41-7	Beryllium	0.80	J		P
7440-43-9	Cadmium	1.9	U		P
7440-70-2	Calcium	23300			P
7440-47-3	Chromium	77.0		N	P
7440-48-4	Cobalt	5.8	J		P
7440-50-8	Copper	195		NE*	P
7439-89-6	Iron	23600			P
7439-92-1	Lead	145		*	P
7439-95-4	Magnesium	12700			P
7439-96-5	Manganese	289			P
7439-97-6	Mercury	0.12	J	N	CV
7440-02-0	Nickel	39.9			P
7440-09-7	Potassium	8950			P
7782-49-2	Selenium	13.4	U		P
7440-22-4	Silver	0.69	J		P
7440-23-5	Sodium	4790			P
7440-28-0	Thallium	9.5	U		P
7440-62-2	Vanadium	33.1			P
7440-66-6	Zinc	433			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

ME2QS2

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Matrix (soil/water): SOIL Lab Sample ID: ME2QS2

Level (low/med): LOW Date Received: 05/07/2009

% Solids: 52.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6740		*	P
7440-36-0	Antimony	8.5	J	N	P
7440-38-2	Arsenic	47.6			P
7440-39-3	Barium	129			P
7440-41-7	Beryllium	0.93	J		P
7440-43-9	Cadmium	0.31	J		P
7440-70-2	Calcium	5540			P
7440-47-3	Chromium	882		N	P
7440-48-4	Cobalt	11.6			P
7440-50-8	Copper	340		NE*	P
7439-89-6	Iron	95100		D	P
7439-92-1	Lead	1260		*	P
7439-95-4	Magnesium	2960			P
7439-96-5	Manganese	537			P
7439-97-6	Mercury	0.47		N	CV
7440-02-0	Nickel	171			P
7440-09-7	Potassium	3560			P
7782-49-2	Selenium	2.7	J		P
7440-22-4	Silver	3.5			P
7440-23-5	Sodium	2120			P
7440-28-0	Thallium	4.0	J		P
7440-62-2	Vanadium	28.9			P
7440-66-6	Zinc	2560			P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-1(0307)

Continuing Calibration Verification Source: 09E0188

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2521.0	2597.59	103	2000.0	1968.92	98	1991.01	100	P
Antimony	994.0	982.41	99	2000.0	1970.81	99	1969.46	98	P
Arsenic	999.0	992.00	99	2000.0	1958.93	98	1964.44	98	P
Barium	497.0	516.99	104	2000.0	1931.27	97	1944.62	97	P
Beryllium	495.0	495.52	100	2000.0	1967.30	98	1937.53	97	P
Cadmium	496.0	505.14	102	2000.0	1939.71	97	1943.70	97	P
Calcium	10026.0	10309.62	103	20000.0	19920.10	100	19576.51	98	P
Chromium	490.0	504.61	103	2000.0	1956.20	98	1974.32	99	P
Cobalt	499.0	507.90	102	2000.0	1951.21	98	1953.97	98	P
[illegible]per	492.0	494.85	101	2000.0	1980.54	99	1959.83	98	P
Iron	5082.0	5083.50	100	10000.0	9789.74	98	9748.24	97	P
Lead	1002.0	1000.86	100	2000.0	1986.00	99	1956.25	98	P
Magnesium	6074.0	6019.39	99	20000.0	19802.06	99	19657.92	98	P
Manganese	499.0	506.60	102	2000.0	1908.01	95	1900.85	95	P
Nickel	503.0	483.58	96	2000.0	1942.43	97	1936.01	97	P
Potassium	10021.0	10006.77	100	20000.0	19481.99	97	19303.73	97	P
Selenium	1029.0	960.63	93	2000.0	1989.37	99	1964.74	98	P
Silver	501.0	498.96	100	2000.0	1958.36	98	1946.37	97	P
Sodium	10097.0	10097.29	100	20000.0	20268.74	101	20568.34	103	P
Thallium	1028.0	1027.42	100	2000.0	1942.32	97	1915.91	96	P
Vanadium	501.0	510.14	102	2000.0	1956.60	98	1987.22	99	P
Zinc	1025.0	1004.04	98	2000.0	1936.14	97	1937.04	97	P

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-1(0307)

Continuing Calibration Verification Source: 09E0188

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				2000.0	2022.43	101	1909.18	95	P
Antimony				2000.0	1959.31	98	1961.60	98	P
Arsenic				2000.0	1943.92	97	2062.37	103	P
Barium				2000.0	1923.57	96			P
Beryllium				2000.0	1905.78	95	1887.37	94	P
Cadmium				2000.0	1928.81	96	1908.69	95	P
Calcium				20000.0	19514.81	98	18959.69	95	P
Chromium				2000.0	1955.40	98	1949.32	97	P
Cobalt				2000.0	1935.19	97	1831.23	92	P
Copper				2000.0	1954.27	98	1832.79	92	P
Iron				10000.0	9868.24	99	9373.65	94	P
Lead				2000.0	1941.69	97	1892.85	95	P
Magnesium				20000.0	19896.26	99	19148.04	96	P
Manganese				2000.0	1924.99	96	1826.14	91	P
Nickel				2000.0	1915.42	96	1806.14	90	P
Potassium				20000.0	19207.14	96	18809.29	94	P
Selenium				2000.0	1950.77	98			P
Silver				2000.0	1923.40	96	1921.51	96	P
Sodium				20000.0	20567.10	103	19301.29	97	P
Thallium				2000.0	1887.79	94			P
Vanadium				2000.0	1967.15	98	2002.61	100	P
Zinc				2000.0	1923.54	96	1911.97	96	P

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-1(0307)

Continuing Calibration Verification Source: 09E0188

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				2000.0	1909.68	95	1899.55	95	P
Antimony				2000.0	1968.55	98	1955.72	98	P
Arsenic				2000.0	2068.23	103	2053.88	103	P
Beryllium				2000.0	1895.91	95	1889.83	94	P
Cadmium				2000.0	1934.16	97	1923.80	96	P
Calcium				20000.0	18989.17	95	18916.69	95	P
Chromium				2000.0	1958.79	98	1942.19	97	P
Cobalt				2000.0	1832.19	92	1816.71	91	P
Copper				2000.0	1818.03	91	1799.91	90	P
Iron				10000.0	9425.45	94	9385.08	94	P
Lead				2000.0	1862.51	93	1848.02	92	P
Magnesium				20000.0	19271.07	96	19228.00	96	P
Manganese				2000.0	1835.46	92	1827.76	91	P
Nickel				2000.0	1798.85	90			P
Potassium				20000.0	18705.94	94	18577.13	93	P
Silver				2000.0	1892.05	95	1880.22	94	P
Sodium				20000.0	18945.33	95	18831.06	94	P
Vanadium				2000.0	1979.83	99	1963.41	98	P
Zinc				2000.0	1933.79	97	1916.93	96	P

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-1(0307)

Continuing Calibration Verification Source: 09E0188

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	2521.0	2590.48	103	2000.0	1998.54	100	2000.41	100	P
Barium	497.0	517.95	104	2000.0	2004.99	100	2027.53	101	P
Calcium	10026.0	10307.62	103	20000.0	20207.84	101	20501.79	103	P
Iron	5082.0	5076.25	100	10000.0	9847.85	98	10124.82	101	P
Magnesium	6074.0	6010.85	99	20000.0	20241.33	101	20298.48	101	P
Nickel	503.0	488.67	97	2000.0	1998.69	100	2007.93	100	P
Selenium	1029.0	970.86	94	2000.0	2014.73	101	2015.22	101	P
Thallium	1028.0	1030.68	100	2000.0	2003.30	100	2018.76	101	P

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-1(0307)

Continuing Calibration Verification Source: 09E0188

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				2000.0	1995.27	100			P
Barium				2000.0	2042.83	102			P
Calcium				20000.0	20612.75	103			P
Iron				10000.0	10044.78	100			P
Magnesium				20000.0	20285.25	101			P
Nickel				2000.0	2029.99	101			P
Selenium				2000.0	2050.53	103			P
Thallium				2000.0	2057.31	103			P

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-5(0508)

Continuing Calibration Verification Source: 09E0145

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury	4.0	4.18	104	2.0	2.00	100	2.02	101	CV

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

USEPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Initial Calibration Verification Source: ICV-5(0508)

Continuing Calibration Verification Source: 09E0145

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Mercury				2.0	1.99	100	2.08	104	CV

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

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

CRQL Check Standard Source: 09E0150

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Aluminum		37.58 J	0	43.32 J	0
Antimony	60.0	63.30	106	61.60	103
Arsenic	10.0	10.25	102	10.61	106
Barium		0.16 J	0	200.00 U	0
Beryllium	5.0	4.68 J	94	4.55 J	91
Cadmium	5.0	5.13	103	5.20	104
Calcium		86.03 J	0	85.83 J	0
Chromium	10.0	9.69 J	97	9.75 J	98
Cobalt	50.0	50.08	100	49.33 J	99
Copper	25.0	23.65 J	95	24.21 J	97
Iron		100.00 U	0	53.55 J	0
Lead	10.0	8.57 J	86	7.23 J	72
Magnesium		13.10 J	0	15.89 J	0
Manganese	15.0	14.64 J	98	14.49 J	97
Nickel	40.0	38.60 J	96	38.56 J	96
Potassium		5000.00 U	0	5000.00 U	0
Selenium	35.0	42.65	122	38.41	110
Silver	10.0	8.08 J	81	7.74 J	77
Sodium		5000.00 U	0	5000.00 U	0
Thallium	25.0	24.52 J	98	23.84 J	95
Vanadium	50.0	50.17	100	49.85 J	100
Zinc	60.0	59.50 J	99	60.09	100

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

CRQL Check Standard Source: 09E0150

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Aluminum				33.25 J	0
Antimony	60.0			58.97 J	98
Arsenic	10.0			11.16	112
Beryllium	5.0			4.38 J	88
Cadmium	5.0			4.98 J	100
Calcium				90.06 J	0
Chromium	10.0			9.45 J	94
Cobalt	50.0			45.52 J	91
Copper	25.0			30.30	121
Iron				5.57 J	0
Lead	10.0			5.73 J	57
Magnesium				5000.00 U	0
Manganese	15.0			12.85 J	86
Nickel	40.0			34.56 J	86
Potassium				5000.00 U	0
Silver	10.0			7.87 J	79
Sodium				5000.00 U	0
Vanadium	50.0			48.63 J	97
Zinc	60.0			59.09 J	98

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

CRQL Check Standard Source: 09E0150

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Aluminum				35.26 J	0
Antimony	60.0			57.91 J	97
Arsenic	10.0			11.33	113
Beryllium	5.0			4.38 J	88
Cadmium	5.0			4.89 J	98
Calcium				83.79 J	0
Chromium	10.0			9.48 J	95
Cobalt	50.0			44.93 J	90
Copper	25.0			28.18	113
Iron				7.58 J	0
Lead	10.0			6.84 J	68
Magnesium				5000.00 U	0
Manganese	15.0			12.91 J	86
Potassium				5000.00 U	0
Silver	10.0			7.94 J	79
Sodium				5000.00 U	0
Vanadium	50.0			48.56 J	97
Zinc	60.0			59.08 J	98

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

CRQL Check Standard Source: 09E0150

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Aluminum		35.55 J	0	35.74 J	0
Barium		200.00 U	0	0.18 J	0
Calcium		90.36 J	0	92.57 J	0
Iron		100.00 U	0	30.84 J	0
Magnesium		5000.00 U	0	5000.00 U	0
Nickel	40.0	37.29 J	93	37.90 J	95
Selenium	35.0	42.85	122	38.23	109
Thallium	25.0	24.86 J	99	26.05	104

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

CRQL Check Standard Source: 09E0141

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2	0.20 J	100	0.20 J	100

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

USEPA-CLP

2B-IN

CRQL CHECK STANDARD

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

CRQL Check Standard Source: 09E0141

Concentration Units: ug/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found*	%R (1)	Found*	%R (1)
Mercury	0.2			0.21	105

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* if applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g., 0.20U for Mercury)

3-IN
BLANKS

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	200.000	U	200.000	U	8.155	J	200.000	U	20.000	U	P
Antimony	60.000	U	60.000	U	60.000	U	60.000	U	6.000	U	P
Arsenic	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Barium	200.000	U	200.000	U	200.000	U	200.000	U	-0.051	J	P
Beryllium	5.000	U	5.000	U	0.031	J	0.038	J	0.500	U	P
Cadmium	5.000	U	5.000	U	5.000	U	5.000	U	-0.039	J	P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.000	U	P
Chromium	10.000	U	10.000	U	10.000	U	10.000	U	1.000	U	P
Cobalt	50.000	U	50.000	U	50.000	U	50.000	U	-0.105	J	P
Copper	25.000	U	25.000	U	1.135	J	0.882	J	0.256	J	P
Iron	-4.504	J	-6.402	J	100.000	U	100.000	U	0.893	J	P
[illegible]d	10.000	U	10.000	U	10.000	U	10.000	U	1.0	U	P
Magnesium	9.081	J	12.386	J	12.764	J	15.319	J	500.000	U	P
Manganese	15.000	U	15.000	U	15.000	U	15.000	U	1.500	U	P
Nickel	40.000	U	40.000	U	1.121	J	40.000	U	-0.280	J	P
Potassium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	500.000	U	P
Selenium	35.000	U	35.000	U	35.000	U	9.056	J	-1.781	J	P
Silver	10.000	U	10.000	U	10.000	U	10.000	U	0.036	J	P
Sodium	5000.000	U	5000.000	U	5000.000	U	5000.000	U	0.712	J	P
Thallium	25.000	U	25.000	U	25.000	U	25.000	U	2.500	U	P
Vanadium	50.000	U	-0.216	J	50.000	U	50.000	U	-0.036	J	P
Zinc	60.000	U	60.000	U	60.000	U	60.000	U	6.000	U	P

3-IN
BLANKS

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			200.000	U	200.000	U	200.000	U			P
Antimony			60.000	U	60.000	U	60.000	U			P
Arsenic			10.000	U	10.000	U	10.000	U			P
Beryllium			-0.032	J	-0.047	J	5.000	U			P
Cadmium			5.000	U	5.000	U	5.000	U			P
Calcium			5000.000	U	5000.000	U	5000.000	U			P
Chromium			10.000	U	10.000	U	10.000	U			P
Cobalt			50.000	U	50.000	U	50.000	U			P
Copper			7.242	J	7.301	J	6.587	J			P
Iron			-5.164	J	-5.460	J	-9.024	J			P
Lead			10.000	U	10.000	U	10.000	U			P
Magnesium			-7.049	J	-7.346	J	5000.000	U			P
Manganese			15.000	U	15.000	U	15.000	U			P
Nickel			40.000	U	40.000	U					P
Potassium			5000.000	U	5000.000	U	5000.000	U			P
Silver			0.419	J	0.353	J	0.410	J			P
Sodium			5000.000	U	5000.000	U	5000.000	U			P
Vanadium			-1.508	J	-1.312	J	-1.318	J			P
Zinc			60.000	U	60.000	U	60.000	U			P

3-IN
BLANKS

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	200.000	U	200.000	U	200.000	U	200.000	U			P
Barium	200.000	U	200.000	U	200.000	U	200.000	U			P
Calcium	5000.000	U	5000.000	U	5000.000	U	5000.000	U			P
Iron	100.000	U	-5.508	J	5.430	J	-4.252	J			P
Magnesium	5000.000	U	5.855	J	5000.000	U	5.926	J			P
Nickel	40.000	U	40.000	U	40.000	U	40.000	U			P
Selenium	35.000	U	35.000	U	35.000	U	5.856	J			P
Thallium	25.000	U	25.000	U	25.000	U	25.000	U			P

3-IN
BLANKS

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury	0.200	U	0.200	U	0.200	U	0.200	U	0.100	U	CV

3-IN
BLANKS

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Mercury			0.200	U							CV

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 ICS Source: 1206/0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244000	241000	245000	100	242000	100	246000	101	245000	102
Antimony	0	589	-4.4		590	100	1.5		585	99
Arsenic	0	101	1.1		98.5	98	1.4		94.0	93
Barium	2.0	495	6.3	315	489	99	6.0	300	474	96
Beryllium	0	475	0.51		482	101	0.48		474	100
Cadmium	0	940	-3.3		942	100	-3.5		918	98
Calcium	235000	231000	240000	102	236000	102	232000	99	229000	99
Chromium	43	511	44.1	103	529	104	42.9	100	523	102
Cobalt	4.0	461	5.3	132	473	103	5.6	140	464	101
Copper	23	548	26.7	116	587	107	26.3	114	560	102
Iron	95600	94800	92500	97	91400	96	91600	96	90300	95
Lead	10	61	5.1	51	55.8	91	2.8	28	51.5	84
Magnesium	248000	251000	255000	103	250000	100	250000	101	247000	98
Manganese	19	502	15.7	83	483	96	15.5	82	472	94
Nickel	21	984	27.8	132	1060	108	33.2	158	1040	106
Potassium	0	0	-7.2		-9.4		-11.4		-12.3	
Selenium	0	53	27.5		63.8	120	20.1		73.2	138
Silver	0	206	0.37		215	104	0.63		211	102
Sodium	0	0	803		806		818		808	
Thallium	0	103	3.8		91.4	89	3.3		90.9	88
Vanadium	0	494	-0.20		502	102	-0.43		496	100
Zinc	28	1030	33.1	118	950	92	32.3	115	930	90

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 ICS Source: 1206/0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244000	241000					231000	95	235000	98
Antimony	0	589					3.0		571	97
Arsenic	0	101					-1.3		97.6	97
Beryllium	0	475					0.43		471	99
Cadmium	0	940					-4.7		894	95
Calcium	235000	231000					223000	95	226000	98
Chromium	43	511					42.2	98	507	99
Cobalt	4.0	461.0					4.7	118	434	94
Copper	23	548					30.4	132	520	95
Iron	95600	94800					87700	92	88000	93
Le	10	61					5.1	51	49.7	81
Magnesium	248000	251000					242000	98	244000	97
Manganese	19	502					14.6	77	460	92
Nickel	21	984					39.4	188	979	99
Potassium	0	0					-11.9		-16.1	
Silver	0	206					0.63		200	97
Sodium	0	0					750		756	
Vanadium	0	494					-1.7		481	97
Zinc	28	1030					31.7	113	895	87

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 ICS Source: 1206/0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244000	241000					233000	95	229000	95
Antimony	0	589					-1.5		580	98
Arsenic	0	101					-1.3		97.4	96
Beryllium	0	475					0.43		462	97
Cadmium	0	940					-4.6		917	98
Calcium	235000	231000					223000	95	222000	96
Chromium	43	511					42.1	98	513	100
Cobalt	4.0	461					4.8	120	434	94
Copper	23	548					29.4	128	523	95
Iron	95600	94800					87300	91	86300	91
Lead	10	61					3.8	38	52.1	8
Magnesium	248000	251000					242000	98	239000	95
Manganese	19	502					14.1	74	453	90
Potassium	0	0					-3.3		-10.5	
Silver	0	206					0.63		202	98
Sodium	0	0					752		740	
Vanadium	0	494					-1.6		487	99
Zinc	28	1030					31.7	113	921	89

4A-IN

ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 ICS Source: 1206/0203

Concentration Units: ug/L

Analyte	True		Initial Found				Final Found			
	Sol.A	Sol AB	Sol.A	%R	Sol AB	%R	Sol.A	%R	Sol.AB	%R
Aluminum	244000	241000	239000	98	252000	105	237000	97	244000	101
Barium	2.0	495	6.0	300	501	101	6.2	310	496	100
Calcium	235000	231000	236000	100	248000	107	238000	101	245000	106
Iron	95600	94800	90900	95	96300	102	91900	96	94500	100
Magnesium	248000	251000	250000	101	262000	104	250000	101	256000	102
Nickel	21	984	37.0	176	1130	115	35.2	168	1070	109
Selenium	0	53	13.9		60.2	114	21.8		67.4	127
Thallium	0	103	4.7		98.9	96	3.6		102	99

USEPA-CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2QR8S

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

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

% Solids for Sample: 80.0

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		12825.1700		10491.2100		0.00	0		P
Antimony	75 - 125	13.5931		1.6621	J	25.00	48	N	P
Arsenic	75 - 125	14.0104		3.4074		10.00	106		P
Barium	75 - 125	633.4279		112.8485		500.00	104		P
Beryllium	75 - 125	14.0860		1.0637		12.50	104		P
Cadmium	75 - 125	11.3431		0.6250	U	12.50	91		P
Calcium		59281.5300		51079.6600		0.00	0		P
Chromium	75 - 125	267.2918		128.2102		50.00	278	N	P
Cobalt	75 - 125	115.4442		3.5478	J	125.00	90		P
Copper	75 - 125	274.1669		144.1941		62.50	208	N	P
Iron		19695.1300		15957.3100		0.00	0		P
Lead		207.1632		189.7906		5.00	347		P
Magnesium		22875.4000		20874.5100		0.00	0		P
Manganese		1322.6140		963.9605		125.00	287		P
Mercury	75 - 125	0.5938		0.1688		0.63	67	N	CV
Nickel	75 - 125	160.5904		30.3928		125.00	104		P
Potassium		973.2388		1077.4970		0.00	0		P
Selenium	75 - 125	9.3812		4.3750	U	12.50	75		P
Silver	75 - 125	13.8587		0.5555	J	12.50	106		P
Sodium		432.7417	J	390.3023	J	0.00	0		P
Thallium	75 - 125	12.5727		3.1250	U	12.50	101		P
Vanadium	75 - 125	153.6157		18.8993		125.00	108		P
Zinc	75 - 125	381.0712		240.7727		125.00	112		P

Comments:

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

ME2QR8A

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony		144.59		13.30	J	120.0	109		P
Chromium		2108.11		1025.68		1050.0	103		P
Copper		3450.41		1153.55		2200.0	104		P

Comments:

6-IN

DUPLICATES

EPA SAMPLE NO.

ME2QR8D

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

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

% Solids for Sample: 80.0 % Solids for Duplicate: 82.5

Concentration Units: (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		10491.2100		14420.2100		32	*	P
Antimony		1.6621	J	1.5134	J	9		P
Arsenic	1.2500	3.4074		3.9518		15		P
Barium	25.0000	112.8485		135.6619		18		P
Beryllium	0.6250	1.0637		1.1985		12		P
Cadmium		0.6250	U	0.2494	J	200		P
Calcium		51079.6600		51691.8600		1		P
Chromium		128.2102		138.5742		8		P
Cobalt		3.5478	J	3.4981	J	1		P
Copper		144.1941		245.3804		52	*	P
Iron		15957.3100		15506.8400		3		P
Lead		189.7906		240.1760		23	*	P
Magnesium		20874.5100		19831.4300		5		P
Manganese		963.9605		1183.5330		20		P
Mercury	0.1250	0.1688		0.1375		20		CV
Nickel		30.3928		31.6361		4		P
Potassium	625.0000	1077.4970		1035.7010		4		P
Selenium		4.3750	U	4.3750	U			P
Silver		0.5555	J	0.8638	J	43		P
Sodium		390.3023	J	388.6568	J	0		P
Thallium		3.1250	U	3.1250	U			P
Vanadium	6.2500	18.8993		20.4711		8		P
Zinc		240.7727		258.8029		7		P

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

ME2QR8L

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	83929.63		77544.02		8		P
Antimony	13.30	J	29.01	J	118		P
Arsenic	27.26		28.83	J	6		P
Barium	902.79		937.72	J	4		P
Beryllium	8.51		7.76	J	9		P
Cadmium	5.00	U	25.00	U			P
Calcium	408637.28		399977.40		2		P
Chromium	1025.68		1003.36		2		P
Cobalt	28.38	J	28.77	J	1		P
Copper	1153.55		1007.03		13	E	P
Iron	127658.47		127010.10		1		P
Lead	1518.32		1497.36		1		P
Magnesium	166996.09		157304.40		6		P
Manganese	7711.68		7571.87		2		P
Nickel	243.14		231.25		5		P
Potassium	8619.98		7997.91	J	7		P
Selenium	35.00	U	35.68	J			P
Silver	4.44	J	5.35	J	20		P
Sodium	3122.42	J	2936.57	J	6		P
Thallium	25.00	U	125.00	U			P
Vanadium	151.19		138.86	J	8		P
Zinc	1926.18		1994.98		4		P

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: _____ SDG NO.: ME2QQ1

Instrument Type: P Instrument ID: OPTIMA5 Date: 01/06/2009

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Aluminum	308.22	200	5.8
Antimony	206.84	60	4.0
Arsenic	188.98	10	3.1
Barium	233.53	200	0.16
Beryllium	313.11	5	0.031
Cadmium	226.50	5	0.29
Calcium	315.89	5000	5.9
Chromium	267.72	10	0.39
Cobalt	228.62	50	0.52
Copper	324.75	25	0.84
Iron	273.96	100	3.1
Lead	220.35	10	3.5
Magnesium	279.08	5000	5.7
Manganese	260.57	15	1.6
Nickel	232.00	40	1.1
Potassium	766.49	5000	14.0
Selenium	196.03	35	4.2
Silver	328.07	10	0.30
Sodium	589.59	5000	6.6
Thallium	190.80	25	4.8
Vanadium	292.40	50	0.13
Zinc	206.20	60	2.1

Comments: _____

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Instrument Type: P Instrument ID: OPTIMA5 Date: 01/06/2009

Preparation Method: HS2

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wave-Length /Mass	CRQL	MDL
Aluminum	308.22	20.00	0.58
Antimony	206.84	6.00	0.40
Arsenic	188.98	1.00	0.31
Barium	233.53	20.00	0.016
Beryllium	313.11	0.50	0.0031
Cadmium	226.50	0.50	0.029
Calcium	315.89	500.00	0.59
Chromium	267.72	1.00	0.039
Cobalt	228.62	5.00	0.052
Copper	324.75	2.50	0.084
Iron	273.96	10.00	0.31
Lead	220.35	1.00	0.35
Magnesium	279.08	500.00	0.57
Manganese	260.57	1.50	0.16
Nickel	232.00	4.00	0.11
Potassium	766.49	500.00	1.4
Selenium	196.03	3.50	0.42
Silver	328.07	1.00	0.030
Sodium	589.59	500.00	0.66
Thallium	190.80	2.50	0.48
Vanadium	292.40	5.00	0.013
Zinc	206.20	6.00	0.21

Comments:

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Instrument Type: P Instrument ID: OPTIMA5 Date: 01/06/2009

Preparation Method: HS2

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Aluminum	308.22	200	5.8
Antimony	206.84	60	4.0
Arsenic	188.98	10	3.1
Barium	233.53	200	0.16
Beryllium	313.11	5	0.031
Cadmium	226.50	5	0.29
Calcium	315.89	5000	5.9
Chromium	267.72	10	0.39
Cobalt	228.62	50	0.52
Copper	324.75	25	0.84
Iron	273.96	100	3.1
Lead	220.35	10	3.5
Magnesium	279.08	5000	5.7
Manganese	260.57	15	1.6
Nickel	232.00	40	1.1
Potassium	766.49	5000	14.0
Selenium	196.03	35	4.2
Silver	328.07	10	0.30
Sodium	589.59	5000	6.6
Thallium	190.80	25	4.8
Vanadium	292.40	50	0.13
Zinc	206.20	60	2.1

Comments:

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Instrument Type: CV Instrument ID: Cetac M6000 Hg Date: 01/06/2009

Preparation Method: CS1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wave-Length /Mass	CRQL	MDL
Mercury	253.70	0.20	0.043

Comments:

9-IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Instrument Type: CV Instrument ID: Cetac M6000 Hg Date: 01/06/2009

Preparation Method: CS1

Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Wave-Length /Mass	CRQL	MDL
Mercury	253.70	0.10	0.022

Comments:

USEPA-CLP

10A-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 Date: 04/14/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.84	0.0000000	0.0000000	0.0311160	0.0000000	0.0000000
Arsenic	188.98	0.0000000	0.0000000	0.0082560	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	-0.0041480	0.0024000	0.2642040	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0060700	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0907540	0.0000000
Lead	220.35	-0.0485290	-0.0056350	0.0664300	0.0086610	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	260.57	0.0000000	0.0000000	0.0629020	0.0317490	0.0000000
Nickel	232.00	0.0000000	0.0000000	-0.9716020	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	-0.0496740	0.0000000	-0.1254390	0.1413900	0.0000000
Silver	328.07	0.0000000	0.0000000	-0.0428610	0.0000000	2.2539100
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	-0.0573400	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0662570	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No: SDG NO.: ME2QQ1

Solid LCS Source: LCSS(0405)

Aqueous LCS Source:

Analyte	Aqueous (ug/L)			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Aluminum				115.0	93.1		54.7	175.0	81
Antimony				66.0	53.5		27.6	104.0	81
Arsenic				253.0	214.5		154.0	352.0	85
Barium				1.6	1.4	J	1.0	2.2	88
Beryllium				4.9	4.6		3.0	6.8	94
Cadmium				10.9	8.8		7.7	14.0	81
Calcium				44200.0	41039.5		30300.0	58200.0	93
Chromium				27.1	25.2		18.5	35.7	93
Cobalt				37.4	32.2		24.2	50.6	86
Copper				1770.0	1617.2		1320.0	2230.0	91
Iron				6470.0	5896.7		4280.0	8660.0	9
Lead				56.9	46.1		41.4	72.4	8
Magnesium				29200.0	26388.0		20500.0	37900.0	90
Manganese				61.0	53.3		41.6	80.5	87
Mercury				3.6	3.7		1.9	5.3	103
Nickel				16.3	15.5		9.0	23.7	95
Potassium				39.7	20.1	J	0.0	85.3	51
Selenium				10.0	8.7		4.1	15.9	87
Silver				5.9	6.4		2.7	9.1	108
Sodium				72.5	14.3	J	0.0	216.0	20
Thallium				9.5	7.1		2.9	16.1	75
Vanadium				17.6	15.7		11.6	23.7	89
Zinc				47.5	35.1		20.5	74.4	74

USEPA-CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 Date: 04/14/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	K	Mn	Mo
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	14.3329000
Antimony	206.84	8.8853300	0.0000000	0.0000000	0.0000000	-4.9526400
Arsenic	188.98	1.0321100	0.0863240	0.0000000	-0.0703950	2.3301700
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.11	-0.0911410	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	-0.0873340
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0703180	0.0000000	0.0610660	-0.1653750
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.1324430	0.2838260
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.9350730	0.0078810	0.2726180	-1.4141400
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	260.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	232.00	31.1887000	-0.5410850	0.0000000	-2.0494600	3.7165900
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.03	0.0000000	0.0000000	0.0000000	0.7399680	0.0000000
Silver	328.07	0.0000000	0.0601910	0.0000000	0.1553890	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.3530240	0.0000000	0.0000000	-2.9374400	-0.2287810
Vanadium	292.40	-1.8714000	0.0000000	0.0000000	0.0000000	-7.1342900
Zinc	206.20	0.0000000	0.0000000	0.0450000	0.0000000	1.1307900

Comments:

USEPA-CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2Q01

ICP-AES Instrument ID: OPTIMA5 Date: 04/14/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: B	Ba	Be	Cd	Co
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	-1.8380800
Antimony	206.84	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	188.98	0.0000000	0.1558900	0.3000770	0.1114270	-0.4462180
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	0.0000000	0.0000000	0.2210110
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	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	0.0000000	0.0000000	0.0000000
Iron	273.96	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.2946970	0.1132240	0.2927010	0.0893690	-0.3558450
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	260.57	0.0000000	0.0000000	0.0000000	0.0000000	0.5883340
Nickel	232.00	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	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.1340070	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	0.8310990
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	1.5621200	0.0000000	0.0000000	0.7917230	0.0000000

Comments:

USEPA-CLP

10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 Date: 04/14/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	308.22	0.0000000	13.8899000	0.0000000		
Antimony	206.84	0.8422780	-0.5824730	0.0000000		
Arsenic	188.98	0.0000000	0.2895620	0.0000000		
Barium	233.53	0.0000000	0.0000000	0.0000000		
Beryllium	313.11	0.0000000	0.0000000	0.0000000		
Cadmium	226.50	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.1522110	0.0000000		
Cobalt	228.62	0.0000000	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	273.96	0.0000000	4.2176800	0.0000000		
Lead	220.35	0.1093620	0.1086980	0.0569100		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	260.57	0.0000000	0.0000000	0.0000000		
Nickel	232.00	0.0000000	0.3359650	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.03	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.1139380	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.80	0.0000000	0.8225980	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

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10B-IN

ICP-AES INTERELEMENT CORRECTION FACTORS (QUARTERLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

ICP-AES Instrument ID: OPTIMA5 Date: 04/14/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	Pb	Sb	Si	Ti
Aluminum	308.22	0.0000000	0.0000000	0.0000000	0.0000000	2.2514900
Antimony	206.84	-1.2747600	0.0000000	0.0000000	0.0000000	0.5643100
Arsenic	188.98	0.0000000	0.0000000	0.0000000	0.0000000	-2.2467800
Barium	233.53	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.11	0.0000000	0.0000000	0.0000000	0.0000000	0.0877830
Cadmium	226.50	-0.9317070	0.0000000	0.0000000	-0.0433480	0.0474310
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	2.3506900
Copper	324.75	0.0000000	0.1601030	0.0000000	0.0000000	-0.4111630
Iron	273.96	0.0000000	0.0000000	0.0000000	0.5541570	-1.0916700
Lead	220.35	-0.1572070	0.0000000	-0.1107000	-0.1109380	0.1240180
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	260.57	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	232.00	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	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.80	0.0000000	0.0000000	0.0000000	0.0000000	0.4721630
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.5951680
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

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12-IN

PREPARATION LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
S0	05/13/2009		100
S0.2	05/13/2009		100
S0.5	05/13/2009		100
S1	05/13/2009		100
S2	05/13/2009		100
S5	05/13/2009		100
S10	05/13/2009		100
ICV	05/13/2009		100
ICB	05/13/2009		100
CRI	05/13/2009		100
CCV	05/13/2009		100
CCB	05/13/2009		100
PBS	05/13/2009	0.20	100
LCSS	05/13/2009	0.20	100
ME2QQ1	05/13/2009	0.20	100
ME2QQ2	05/13/2009	0.20	100
ME2QQ3	05/13/2009	0.20	100
ME2QQ4	05/13/2009	0.20	100
ME2QQ5	05/13/2009	0.20	100
ME2QQ6	05/13/2009	0.20	100
ME2QQ7	05/13/2009	0.20	100
ME2QQ8	05/13/2009	0.20	100
CCV	05/13/2009		100
CCB	05/13/2009		100
ME2QR1	05/13/2009	0.20	100
ME2QR2	05/13/2009	0.20	100
ME2QR3	05/13/2009	0.20	100
ME2QR4	05/13/2009	0.20	100
ME2QR5	05/13/2009	0.20	100
ME2QR6	05/13/2009	0.20	100
ME2QR7	05/13/2009	0.20	100
ME2QR8	05/13/2009	0.20	100
ME2QR8D	05/13/2009	0.20	100
CCV	05/13/2009		100
CCB	05/13/2009		100
ME2QR8S	05/13/2009	0.20	100
ME2QR9	05/13/2009	0.20	100
ME2QS0	05/13/2009	0.20	100
ME2QS1	05/13/2009	0.20	100

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11-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: _____ SDG NO.: ME2001

ICP Instrument ID: OPTIMA5 Date: 04/06/2009

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	20.00	300000.0	P
Antimony	20.00	20000.0	P
Arsenic	20.00	10000.0	P
Barium	20.00	30000.0	P
Beryllium	20.00	10000.0	P
Cadmium	20.00	30000.0	P
Calcium	20.00	600000.0	P
Chromium	20.00	30000.0	P
Cobalt	20.00	30000.0	P
Copper	20.00	30000.0	P
Iron	20.00	500000.0	P
Lead	20.00	100000.0	P
Magnesium	20.00	500000.0	P
Manganese	20.00	50000.0	P
Nickel	20.00	10000.0	P
Potassium	20.00	500000.0	P
Selenium	20.00	20000.0	P
Silver	20.00	4000.0	P
Sodium	20.00	500000.0	P
Thallium	20.00	10000.0	P
Vanadium	20.00	30000.0	P
Zinc	20.00	50000.0	P

Comments: _____

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12-IN

PREPARATION LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Method: HS2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
PBS	05/13/2009	1.00	100
LCSS	05/13/2009	1.00	100
ME2QQ1	05/13/2009	1.00	100
ME2QQ2	05/13/2009	1.00	100
ME2QQ3	05/13/2009	1.00	100
ME2QQ4	05/13/2009	1.00	100
ME2QQ5	05/13/2009	1.00	100
ME2QQ6	05/13/2009	1.00	100
ME2QQ7	05/13/2009	1.00	100
ME2QQ8	05/13/2009	1.00	100
ME2QR1	05/13/2009	1.00	100
ME2QR2	05/13/2009	1.00	100
ME2QR3	05/13/2009	1.00	100
ME2QR4	05/13/2009	1.00	100
ME2QR5	05/13/2009	1.00	100
ME2QR6	05/13/2009	1.00	100
ME2QR7	05/13/2009	1.00	100
ME2QR8	05/13/2009	1.00	100
ME2QR8D	05/13/2009	1.00	100
ME2QR8S	05/13/2009	1.00	100
ME2QR9	05/13/2009	1.00	100
ME2QS0	05/13/2009	1.00	100
ME2QS1	05/13/2009	1.00	100
ME2QS2	05/13/2009	1.00	100

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12-IN

PREPARATION LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG NO.: ME2QQ1

Preparation Method: CS1

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
ME2QS2	05/13/2009	0.20	100
CCV	05/13/2009		100
CCB	05/13/2009		100

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13-IN

ANALYSIS RUN LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

Instrument ID: OPTIMA5 Analysis Method: P

Start Date: 05/20/2009 End Date: 05/20/2009

EPA Sample NO.	D/F	Time	Analytes																										
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ME2QR7	1.0	1116	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR8	1.0	1125	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR8L	5.0	1133	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR8D	1.0	1147	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR8S	1.0	1153	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR9	1.0	1159	X	X	X		X	X	X	X	X	X		X	X	X		X	X		X	X		X	X				
ME2QR9	5.0	1208											X																
CCV	1.0	1214	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
CCB	1.0	1220	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR3	5.0	1230											X																
ME2QR6	3.0	1236											X																
ME2QR4	5.0	1242											X																
ME2QR8A	1.0	1247		X						X		X																	
	1.0	1254	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ICSA	1.0	1259	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ICSAB	1.0	1306	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
CCV	1.0	1312	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
CCB	1.0	1318	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QS0	1.0	1324	X	X	X		X	X	X	X	X	X		X	X	X			X		X	X		X	X				
ME2QS1	1.0	1330	X	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X		X	X				
ME2QS2	1.0	1336	X	X	X		X	X	X	X	X	X		X	X	X			X		X	X		X	X				
ZZZZZZ	5.0	1342																											
ME2QS0	5.0	1354											X																
ME2QS2	2.0	1401											X																
CRI	1.0	1407	X	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X		X	X				
ICSA	1.0	1413	X	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X		X	X				
ICSAB	1.0	1419	X	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X		X	X				
CCV	1.0	1425	X	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X		X	X				
CCB	1.0	1431	X	X	X		X	X	X	X	X	X	X	X	X	X			X		X	X		X	X				

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13-IN

ANALYSIS RUN LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

Instrument ID: OPTIMA5 Analysis Method: P

Start Date: 05/20/2009 End Date: 05/20/2009

EPA Sample NO.	D/F	Time	Analytes																										
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.0	0718	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
S	1.0	0724		X	X	X	X	X		X	X	X		X		X		X	X	X	X		X	X	X				
S	1.0	0729	X						X				X		X							X							
S	1.0	0734																											
ICV	1.0	0739	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICB	1.0	0745	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CRI	1.0	0751	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICSA	1.0	0756	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICSAB	1.0	0803	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV	1.0	0809	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	0815	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ZZZZZZ	1.0	0836																											
PBS	1.0	0846	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
LCSS	1.0	0852	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ1	1.0	0859	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ2	1.0	0904	X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X				
ME2QQ3	1.0	0910	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ4	1.0	0916	X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X				
ME2QQ5	1.0	0922	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ2	3.0	0928											X																
ME2QQ4	3.0	0934											X																
CCV	1.0	0940	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	0946	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ6	1.0	0952	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ7	1.0	0958	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QQ8	1.0	1004	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QR1	1.0	1010	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QR2	1.0	1016	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QR3	1.0	1022	X	X	X	X	X	X	X	X	X	X		X	X	X		X	X	X	X	X	X	X	X				
CRI	1.0	1028	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICSA	1.0	1034	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ICSAB	1.0	1040	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCV	1.0	1047	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB	1.0	1053	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
ME2QR4	1.0	1058	X	X	X		X	X	X	X	X	X		X	X	X		X	X		X	X		X	X				
ME2QR5	1.0	1104	X	X	X		X	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X				
ME2QR6	1.0	1110	X	X	X		X	X	X	X	X	X		X	X	X		X	X		X	X		X	X				

USEPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

Instrument ID: Cetac M6000 Hg Analysis Method: CV

Start Date: 05/13/2009 End Date: 05/13/2009

EPA Sample NO.	D/F	Time	Analytes																										
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
S0	1.0	0924															X												
S0.2	1.0	0925															X												
S0.5	1.0	0927															X												
S1	1.0	0929															X												
S2	1.0	0930															X												
S5	1.0	0932															X												
S10	1.0	0934															X												
ICV	1.0	0935															X												
ICB	1.0	0937															X												
CRI	1.0	0938															X												
CCV	1.0	0940															X												
CCB	1.0	0942															X												
PBS	1.0	0943															X												
[illegible]S	1.0	0945															X												
M[illegible]QQ1	1.0	0948															X												
ME2QQ2	1.0	0949															X												
ME2QQ3	1.0	0951															X												
ME2QQ4	1.0	0952															X												
ME2QQ5	1.0	0954															X												
ME2QQ6	1.0	0956															X												
ME2QQ7	1.0	0957															X												
ME2QQ8	1.0	0959															X												
CCV	1.0	1001															X												
CCB	1.0	1002															X												
ME2QR1	1.0	1004															X												
ME2QR2	1.0	1005															X												
ME2QR3	1.0	1007															X												
ME2QR4	1.0	1009															X												
ME2QR5	1.0	1010															X												
ME2QR6	1.0	1012															X												
ME2QR7	1.0	1013															X												
ME2QR8	1.0	1015															X												
ME2QR8D	1.0	1017															X												
CRI	1.0	1018															X												
CCV	1.0	1020															X												
[illegible]	1.0	1022															X												
M[illegible]QR8S	1.0	1023															X												

USEPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

Instrument ID: OPTIMA5 Analysis Method: P

Start Date: 05/20/2009 End Date: 05/20/2009

EPA Sample NO.	D/F	Time	Analytes																												
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN					
S0	1.0	1457	X			X			X				X		X			X		X			X								
S	1.0	1503				X												X		X			X								
S	1.0	1509	X						X				X		X																
S	1.0	1513																													
ICV	1.0	1518	X			X			X				X		X			X		X			X								
ICB	1.0	1524	X			X			X				X		X			X		X			X								
CRI	1.0	1530	X			X			X				X		X			X		X			X								
ICSA	1.0	1536	X			X			X				X		X			X		X			X								
ICSAB	1.0	1542	X			X			X				X		X			X		X			X								
CCV	1.0	1548	X			X			X				X		X			X		X			X								
CCB	1.0	1554	X			X			X				X		X			X		X			X								
ME2QR4	1.0	1600				X														X			X								
ME2QR5	1.0	1606				X														X			X								
ME2QR6	1.0	1612				X														X			X								
ME2QR7	1.0	1617				X														X			X								
ME2QR8	1.0	1623				X														X			X								
ME2QR8L	5.0	1629				X														X			X								
ME2QR8D	1.0	1636				X														X			X								
ME2QR8S	1.0	1642				X														X			X								
ME2QR9	1.0	1649				X														X			X								
CCV	1.0	1654	X			X			X				X		X			X		X			X								
CCB	1.0	1700	X			X			X				X		X			X		X			X								
ME2QS0	1.0	1706				X												X		X			X								
ME2QS1	1.0	1712				X												X		X			X								
ME2QS2	1.0	1718				X												X		X			X								
CRI	1.0	1724	X			X			X				X		X			X		X			X								
ICSA	1.0	1730	X			X			X				X		X			X		X			X								
ICSAB	1.0	1737	X			X			X				X		X			X		X			X								
CCV	1.0	1743	X			X			X				X		X			X		X			X								
CCB	1.0	1749	X			X			X				X		X			X		X			X								

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

RECEIVED
JUN 29 2009
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

Sample Delivery Group: ME2QQ1 CERCLIS No: IND0770059

Case No: 38525 Site Name/Location: GARY DEV CO INC (IN)

Contractor or EPA Lab: SVL ANALYTICAL Data User: IDEM

No. of Samples: 20 Date Sampled or Date Received: 29 May 09

Have Chain-of-Custody records been received? Yes X No ____
Have traffic reports or packing lists been received? Yes X No ____
If no, are traffic reports or packing list numbers written on the Chain-of-Custody Record?
Yes ____ No ____
If no, which traffic report or packing list numbers are missing?

Are basic data forms in? Yes X No ____
No of samples claimed: 20 No. of samples received: ____

Received by: pjoyner Date: 29 May 09

Received by LSSS: pjoyner Date: 2 June 09

Review started: 6-5-09 Reviewer Signature: [signature]

Total time spent on review: 21 + 3.5 on 6/22/09 Date review completed: 6-10-09

Copied by: A. C. Harvey Date: June 23, 2009

Mailed to user by: pjoyner Date: 6/24/09

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: ____ Date: ____

Data review received by: ____ Date: ____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

Received by Data Mgmt. Coordinator for Files. Date: ____

USEPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: SVL Analytical, Inc. Contract: EP-W-08-068

Lab Code: SVL Case No.: 38525 NRAS No.: SDG No.: ME2QQ1

Instrument ID: Cetac M6000 Hg Analysis Method: CV

Start Date: 05/13/2009 End Date: 05/13/2009

EPA Sample NO.	D/F	Time	Analytes																										
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ME2QR9	1.0	1025															X												
ME2QS0	1.0	1026															X												
ME2QS1	1.0	1028															X												
ME2QS2	1.0	1030															X												
CRI	1.0	1031															X												
CCV	1.0	1033															X												
CCB	1.0	1034															X												

W920086

SVL ANALYTICAL

Log/Preparation Bench Sheet

See Extraction Comments

W920086

Matrix: Solid
Prepared using: HS2

Earliest Due: 05/21/09 Earliest Expiration: 11/01/09 09:25

SDG #: ME2QQ1
Case #: 38525 ng
NRAS #: N/A

			Origin	Hold Time Expires	Home Location	Client	Due Date
20086-BLK1	PBS	[1g - 100mL]			Parent Container Location: RecvRm Cooler 3 A		
W920086-BS1	LCSS	[1g - 100mL]	Spike 1: 09D0102				
W920086-DUP1	ME2QR8D [W9E0163-16]	[1g - 100mL]					
W920086-MS1	ME2QR8S [W9E0163-16]	[1g - 100mL]	Spike 1: 09E0091	Spike 2: 09C0104			
W9E0163-01	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ1	[1g - 100mL]		01-Nov-09 09:25	Boiler Room	US EPA	
W9E0163-02	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ2	[1g - 100mL]		01-Nov-09 09:40	Boiler Room	US EPA	
W9E0163-03	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ3	[1g - 100mL]		01-Nov-09 10:30	Boiler Room	US EPA	
W9E0163-04	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ4	[1g - 100mL]		01-Nov-09 10:42	Boiler Room	US EPA	
W9E0163-05	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ5	[1g - 100mL]		01-Nov-09 12:20	Boiler Room	US EPA	
W9E0163-06	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ6	[1g - 100mL]		01-Nov-09 12:35	Boiler Room	US EPA	
W9E0163-07	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ7	[1g - 100mL]		01-Nov-09 13:15	Boiler Room	US EPA	
W9E0163-08	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QQ8	[1g - 100mL]		01-Nov-09 13:30	Boiler Room	US EPA	
W9E0163-09	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR1	[1g - 100mL]		01-Nov-09 09:39	Boiler Room	US EPA	
W9E0163-10	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR2	[1g - 100mL]		01-Nov-09 09:40	Boiler Room	US EPA	
W9E0163-11	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR3	[1g - 100mL]		01-Nov-09 10:03	Boiler Room	US EPA	
W9E0163-12	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ntSample ID:	ME2QR4	[1g - 100mL]		01-Nov-09 10:05	Boiler Room	US EPA	
W9E0163-13	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR5	[1g - 100mL]		01-Nov-09 11:10	Boiler Room	US EPA	
W9E0163-14	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR6	[1g - 100mL]		01-Nov-09 11:20	Boiler Room	US EPA	
W9E0163-15	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR7	[1g - 100mL]		01-Nov-09 12:00	Boiler Room	US EPA	
W9E0163-16	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR8	[1g - 100mL]		01-Nov-09 12:20	Boiler Room	US EPA	
W9E0163-17	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QR9	[1g - 100mL]		01-Nov-09 13:25	Boiler Room	US EPA	
W9E0163-18	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QS0	[1g - 100mL]		01-Nov-09 13:35	Boiler Room	US EPA	
W9E0163-19	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QS1	[1g - 100mL]		01-Nov-09 14:11	Boiler Room	US EPA	
W9E0163-20	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn					21-May-09
ClientSample ID:	ME2QS2	[1g - 100mL]		01-Nov-09 14:21	Boiler Room	US EPA	

Preparation Reagents

Standard	Description	Lot Number
09C0150	H2O2, 30%	200833608
09D0266	HCl, conc.	48301

Standard	Description	Lot Number
09D0254	HNO3, conc.	48227
09E0058	1:1 HNO3	48227

Spike Standards

Standard	Description	Amount (µL)
09C0104	CLP ICP SPK B	1000
09E0091	CLP ICP SPK A	4000

Standard	Description	Amount (µL)
09D0102	ICP-CLP LCSS (0405)	

Digested By: NB Date/Time: 05/13/2009 1100 Instrument ID: ICP Optima ☐1 ☒5 ☐6 ☐7

Analyzed By: DJ MDA Date/Time: 5/20/09

Reviewed By: RR Date: 05/20/2009 Data File(s): 09140A 09140B

Instrument operating conditions and parameters for this analytical batch are as stated in the Standard Operating Procedure for the analysis listed above unless otherwise noted.

ICP CONTROL SHEET

80

Instrument: Optima 5 Date: 05/20/09 Data File: 09140A
Operator: DT Time: 718

Sample	Time	Elements Out of Control	Comments	Batch
ICV 5% 200.7	739	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		W920086
ICV 10% 6010B		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
ICB	745	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CRI		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
ICSA	756	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
ICSB		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV1	809	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB1		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV2	940	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB2		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV3		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB3		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV4	1214	Ag Al As B ~~Ba~~ Be Bi Ca ~~Cd~~ Co Cr Cu Fe Ga ~~K~~ La Li Mg Mn Mo Na Ni P Pb Sb Sc ~~Se~~ Si SiO2 Sn Sr Ti U V Zn		
CCB4		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV5	1312	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc ~~Se~~ Si SiO2 Sn Sr Ti ~~K~~ U V Zn		
CCB5		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV6	1425	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na ~~Ni~~ P Pb Sb Sc ~~Se~~ Si SiO2 Sn Sr Ti ~~K~~ U V Zn		
CCB6		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV7		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB7		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV8		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB8		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV9		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB9		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV10		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB10		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		

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5/20/2009 6:38:10 AM Hg ReAlign... Actual peak offset (nm): -0.005
Drift (nm): 0.000 Slit adjustment: -3

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	840.5
-6.5	15.0	1922.1
-6.0	15.0	3464.4
-5.5	15.0	5062.9
-5.0	15.0	7008.1
-4.5	15.0	9555.3
-4.0	15.0	14073.1
-3.5	15.0	22485.2
-3.0	15.0	36936.2
-2.5	15.0	55747.1
-2.0	15.0	71769.4
-1.5	15.0	122217.2
-1.0	15.0	256873.9
-0.5	15.0	307212.5
0.0	15.0	280438.3
0.5	15.0	237876.2
1.0	15.0	178977.9
1.5	15.0	123321.5
2.0	15.0	75892.7
2.5	15.0	41026.2
3.0	15.0	14489.4
3.5	15.0	6544.0
4.0	15.0	5126.0
4.5	15.0	3456.3
5.0	15.0	2138.2
5.5	15.0	1662.6
6.0	15.0	1394.5
6.5	15.0	1198.5
7.0	15.0	1010.9

5/20/2009 7:01:05 AM aligned for analyte Mn 257.610
X viewing position set to -0.5 mm having Peak intensity 307212.5 for Radial viewing

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	115514.4
-1.6	15.0	157738.3
-1.2	15.0	214271.8
-0.8	15.0	273087.7
-0.4	15.0	335070.1
0.0	15.0	376435.6
0.4	15.0	396211.9
0.8	15.0	381642.4
1.2	15.0	337895.2
1.6	15.0	276678.4
2.0	15.0	209246.8
0.4	10.0	3192.4
0.4	10.5	11813.3
0.4	11.0	20415.5
0.4	11.5	33743.7
0.4	12.0	51249.4
0.4	12.5	110798.2
0.4	13.0	156950.8
0.4	13.5	208967.9
0.4	14.0	256775.9
0.4	14.5	332263.2
0.4	15.0	328820.2
0.4	15.5	313224.3
0.4	16.0	274205.1
0.4	16.5	176078.9
0.4	17.0	132407.1
0.4	17.5	95589.9
0.4	18.0	66071.0
0.4	18.5	42754.8

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0.4	19.0	16640.8
0.4	19.5	9074.0
0.4	20.0	3448.4
-0.4	14.5	249646.6
0.0	14.5	299987.0
0.4	14.5	331450.9
0.8	14.5	325055.4
1.2	14.5	300397.3
0.4	12.5	118492.5
0.4	13.0	159313.9
0.4	13.5	208050.5
0.4	14.0	256156.6
0.4	14.5	326789.6
0.4	15.0	325843.1
0.4	15.5	310064.4
0.4	16.0	268384.9
0.4	16.5	175029.5

5/20/2009 7:05:33 AM aligned for analyte Mn 257.610
X viewing position set to 0.4 mm having Peak intensity 326789.6 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 326789.6 for Axial viewing

Sequence No.: 2
Sample ID: S
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 5/20/2009 7:24:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	174908.6	174908.6	100.785	%	07:26:20
1	B 249.677 Rt	5878.4	5825.3	[3]	mg/L	07:26:30
1	Be 313.107 Rt	432249.0	428782.6	[3]	mg/L	07:26:20
1	K 766.490 Rt	80371.9	79437.3	[30]	mg/L	07:26:30
1	Li 670.784 Rt	751626.1	745667.2	[8]	mg/L	07:26:20
1	Mn 260.568 Rt	42009.2	41661.3	[3]	mg/L	07:26:30
1	Sr 421.552 Rt	4085173.4	4053164.4	[5]	mg/L	07:26:20
1	Lu 261.542 A	2421668.4	2421668.4	99.8873	%	07:27:14
1	Ag 328.068 At	426553.4	427387.1	[3]	mg/L	07:27:14
1	As 188.979 At	2657.8	2669.4	[3]	mg/L	07:27:35
1	Ba 233.527 At	130609.0	130810.2	[3]	mg/L	07:27:14
1	Bi 222.821 At	5446.3	5418.1	[5]	mg/L	07:27:35
1	Cd 226.502 At	103777.5	103951.5	[3]	mg/L	07:27:14
1	Co 228.616 At	55089.0	55238.0	[3]	mg/L	07:27:14
1	Cr 267.716 At	118315.2	118285.6	[3]	mg/L	07:27:14
1	Cu 324.752 At	541352.6	539403.6	[3]	mg/L	07:27:14
1	Ga 417.206 At	415600.5	416144.7	[5]	mg/L	07:27:14
1	Mo 202.031 At	24777.2	24775.0	[3]	mg/L	07:27:35
1	Ni 232.003 At	31325.5	31446.5	[3]	mg/L	07:27:35
1	P 213.617 At	17133.3	17219.1	[10]	mg/L	07:27:35
1	Pb 220.353 At	11739.8	11710.8	[3]	mg/L	07:27:35
1	Sb 206.836 At	5248.2	5264.5	[3]	mg/L	07:27:35
1	Se 196.026 At	1362.8	1390.0	[3]	mg/L	07:27:35
1	Sn 189.927 At	13114.1	13157.1	[5]	mg/L	07:27:35
1	Ti 336.121 At	821394.3	822752.7	[3]	mg/L	07:27:14
1	Tl 190.801 At	2413.5	2424.3	[3]	mg/L	07:27:35
1	V 292.402 At	251812.5	252393.7	[3]	mg/L	07:27:14
1	Zn 206.200 At	30000.4	30009.5	[3]	mg/L	07:27:14
2	Lu 261.542 R	176940.5	176940.5	101.956	%	07:26:46
2	B 249.677 Rt	5819.5	5700.6	[3]	mg/L	07:26:56
2	Be 313.107 Rt	438073.4	429570.2	[3]	mg/L	07:26:46
2	K 766.490 Rt	79306.9	77477.0	[30]	mg/L	07:26:56
2	Li 670.784 Rt	760545.7	745851.6	[8]	mg/L	07:26:46
2	Mn 260.568 Rt	41605.4	40786.6	[3]	mg/L	07:26:56
2	Sr 421.552 Rt	4124227.2	4044922.0	[5]	mg/L	07:26:46
2	Lu 261.542 A	2429138.4	2429138.4	100.195	%	07:27:52
2	Ag 328.068 At	426871.5	426391.3	[3]	mg/L	07:27:52
2	As 188.979 At	2652.1	2655.5	[3]	mg/L	07:28:12
2	Ba 233.527 At	130786.6	130585.3	[3]	mg/L	07:27:52
2	Bi 222.821 At	5431.3	5386.4	[5]	mg/L	07:28:12
2	Cd 226.502 At	103811.1	103665.6	[3]	mg/L	07:27:52
2	Co 228.616 At	55113.3	55092.6	[3]	mg/L	07:27:52
2	Cr 267.716 At	118466.7	118072.5	[3]	mg/L	07:27:52
2	Cu 324.752 At	542247.5	538630.2	[3]	mg/L	07:27:52
2	Ga 417.206 At	415948.9	415212.9	[5]	mg/L	07:27:52
2	Mo 202.031 At	24792.4	24713.9	[3]	mg/L	07:28:12
2	Ni 232.003 At	31324.5	31349.1	[3]	mg/L	07:28:12
2	P 213.617 At	17156.1	17189.1	[10]	mg/L	07:28:12
2	Pb 220.353 At	11739.9	11674.7	[3]	mg/L	07:28:12
2	Sb 206.836 At	5244.1	5244.2	[3]	mg/L	07:28:12
2	Se 196.026 At	1364.1	1387.1	[3]	mg/L	07:28:12
2	Sn 189.927 At	13171.9	13174.4	[5]	mg/L	07:28:12
2	Ti 336.121 At	822481.4	821308.8	[3]	mg/L	07:27:52
2	Tl 190.801 At	2407.4	2410.8	[3]	mg/L	07:28:12
2	V 292.402 At	252241.5	252046.6	[3]	mg/L	07:27:52
2	Zn 206.200 At	30028.5	29945.2	[3]	mg/L	07:27:52

Mean Data: S

Mean Corrected	Calib

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Analyte	Intensity	Std.Dev.	RSD	Conc.	Units
Lu 261.542 R	175924.6	1436.78	0.82%	101.370	%
Lu 261.542 A	2425403.4	5282.08	0.22%	100.041	%
Ag 328.068 At	426889.2	704.13	0.16%	[3]	mg/L
As 188.979 At	2662.4	9.84	0.37%	[3]	mg/L
B 249.677 Rt	5763.0	88.17	1.53%	[3]	mg/L
Ba 233.527 At	130697.7	158.98	0.12%	[3]	mg/L
Be 313.107 Rt	429176.4	556.91	0.13%	[3]	mg/L
Bi 222.821 At	5402.3	22.41	0.41%	[5]	mg/L
Cd 226.502 At	103808.5	202.17	0.19%	[3]	mg/L
Co 228.616 At	55165.3	102.79	0.19%	[3]	mg/L
Cr 267.716 At	118179.1	150.65	0.13%	[3]	mg/L
Cu 324.752 At	539016.9	546.89	0.10%	[3]	mg/L
Ga 417.206 At	415678.8	658.86	0.16%	[5]	mg/L
K 766.490 Rt	78457.2	1386.16	1.77%	[30]	mg/L
Li 670.784 Rt	745759.4	130.38	0.02%	[8]	mg/L
Mn 260.568 Rt	41224.0	618.51	1.50%	[3]	mg/L
Mo 202.031 At	24744.4	43.18	0.17%	[3]	mg/L
Ni 232.003 At	31397.8	68.87	0.22%	[3]	mg/L
P 213.617 At	17204.1	21.19	0.12%	[10]	mg/L
Pb 220.353 At	11692.7	25.51	0.22%	[3]	mg/L
Sb 206.836 At	5254.4	14.33	0.27%	[3]	mg/L
Se 196.026 At	1388.6	2.02	0.15%	[3]	mg/L
Sn 189.927 At	13165.8	12.25	0.09%	[5]	mg/L
Sr 421.552 Rt	4049043.2	5828.25	0.14%	[5]	mg/L
Ti 336.121 At	822030.8	1020.93	0.12%	[3]	mg/L
Tl 190.801 At	2417.6	9.54	0.39%	[3]	mg/L
V 292.402 At	252220.2	245.42	0.10%	[3]	mg/L
Zn 206.200 At	29977.4	45.49	0.15%	[3]	mg/L

Sequence No.: 3
Sample ID: S
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/20/2009 7:29:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	176008.9	176008.9	101.419	%	07:31:56
1	Al 308.215 Rt	49399.3	48655.3	[50]	mg/L	07:31:56
1	Ca 315.887 Rt	187171.7	184608.9	[50]	mg/L	07:31:56
1	Fe 273.955 Rt	45178.8	44528.1	[50]	mg/L	07:31:56
1	Mg 279.077 Rt	26494.6	26121.0	[50]	mg/L	07:31:56
1	Na 589.592 Rt	400978.1	395287.8	[50]	mg/L	07:31:45
1	Lu 261.542 A	2375681.8	2375681.8	97.9905	%	07:32:41
2	Lu 261.542 R	175034.9	175034.9	100.858	%	07:32:17
2	Al 308.215 Rt	49181.4	48710.3	[50]	mg/L	07:32:17
2	Ca 315.887 Rt	186924.5	185390.7	[50]	mg/L	07:32:17
2	Fe 273.955 Rt	45005.0	44603.6	[50]	mg/L	07:32:17
2	Mg 279.077 Rt	26391.6	26164.2	[50]	mg/L	07:32:17
2	Na 589.592 Rt	396784.4	393329.8	[50]	mg/L	07:32:06
2	Lu 261.542 A	2386670.3	2386670.3	98.4437	%	07:33:03

Mean Data: S

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Lu 261.542 R	175521.9	688.71	0.39%	101.138	%
Lu 261.542 A	2381176.0	7770.06	0.33%	98.2171	%
Al 308.215 Rt	48682.8	38.90	0.08%	[50]	mg/L
Ca 315.887 Rt	184999.8	552.86	0.30%	[50]	mg/L
Fe 273.955 Rt	44565.8	53.44	0.12%	[50]	mg/L
Mg 279.077 Rt	26142.6	30.57	0.12%	[50]	mg/L
Na 589.592 Rt	394308.8	1384.51	0.35%	[50]	mg/L

Sequence No.: 4
Sample ID: S
Analyst:

Autosampler Location: 4
Date Collected: 5/20/2009 7:34:44 AM
Data Type: Original

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Method: ILMO5 OPT5 Page 6 Date: 5/20/2009 7:37:47 AM

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	176619.3	176619.3	101.771	%	07:36:33
1	Si 251.611 Rt	35187.1	34529.6	[25]	mg/L	07:36:33
1	SIO2 251.611 Rt	35187.1	34529.6	[53.5]	mg/L	07:36:33
1	Lu 261.542 A	2477720.0	2477720.0	102.199	%	07:37:15
1	La 379.478 At	2014291.6	1971409.9	[10]	mg/L	07:37:15
1	Sc 361.383 At	2398188.4	2346573.8	[2]	mg/L	07:37:15
2	Lu 261.542 R	177773.0	177773.0	102.435	%	07:36:43
2	Si 251.611 Rt	35458.3	34570.0	[25]	mg/L	07:36:43
2	SIO2 251.611 Rt	35458.3	34570.0	[53.5]	mg/L	07:36:43
2	Lu 261.542 A	2489778.8	2489778.8	102.697	%	07:37:45
2	La 379.478 At	2024391.2	1971698.3	[10]	mg/L	07:37:45
2	Sc 361.383 At	2409649.9	2346369.1	[2]	mg/L	07:37:45

Mean Data: S

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542 R	177196.1	815.73	0.46%	102.103	%
Lu 261.542 A	2483749.4	8526.86	0.34%	102.448	%
La 379.478 At	1971554.1	203.95	0.01%	[10]	mg/L
Sc 361.383 At	2346471.5	144.75	0.01%	[2]	mg/L
Si 251.611 Rt	34549.8	28.55	0.08%	[25]	mg/L
SIO2 251.611 Rt	34549.8	28.55	0.08%	[53.5]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068 A	1	Lin, Calc Int	0.0	142300	0.00000	1.000000	
Al 308.215 R	1	Lin, Calc Int	0.0	973.7	0.00000	1.000000	
As 188.979 A	1	Lin, Calc Int	0.0	887.5	0.00000	1.000000	
B 249.677 R	1	Lin, Calc Int	0.0	1921	0.00000	1.000000	
Ba 233.527 A	1	Lin, Calc Int	0.0	43570	0.00000	1.000000	
Be 313.107 R	1	Lin, Calc Int	-0.0	143100	0.00000	1.000000	
Bi 222.821 A	1	Lin, Calc Int	0.0	1080	0.00000	1.000000	
Ca 315.887 R	1	Lin, Calc Int	0.0	3700	0.00000	1.000000	
Cd 226.502 A	1	Lin, Calc Int	0.0	34600	0.00000	1.000000	
Co 228.616 A	1	Lin, Calc Int	0.0	18390	0.00000	1.000000	
Cr 267.716 A	1	Lin, Calc Int	-0.0	39390	0.00000	1.000000	
Cu 324.752 A	1	Lin, Calc Int	0.0	179700	0.00000	1.000000	
Fe 273.955 R	1	Lin, Calc Int	0.0	891.3	0.00000	1.000000	
Ga 417.206 A	1	Lin, Calc Int	-0.0	83140	0.00000	1.000000	
K 766.490 R	1	Lin, Calc Int	0.0	2615	0.00000	1.000000	
La 379.478 A	1	Lin, Calc Int	0.0	197200	0.00000	1.000000	
Li 670.784 R	1	Lin, Calc Int	0.0	93220	0.00000	1.000000	
Mg 279.077 R	1	Lin, Calc Int	0.0	522.9	0.00000	1.000000	
Mn 260.568 R	1	Lin, Calc Int	0.0	13740	0.00000	1.000000	
Mo 202.031 A	1	Lin, Calc Int	0.0	8248	0.00000	1.000000	
Na 589.592 R	1	Lin, Calc Int	0.0	7886	0.00000	1.000000	
Ni 232.003 A	1	Lin, Calc Int	-0.0	10470	0.00000	1.000000	
P 213.617 A	1	Lin, Calc Int	0.0	1720	0.00000	1.000000	
Pb 220.353 A	1	Lin, Calc Int	0.0	3898	0.00000	1.000000	
Sb 206.836 A	1	Lin, Calc Int	0.0	1751	0.00000	1.000000	
Sc 361.383 A	1	Lin, Calc Int	0.0	1173000	0.00000	1.000000	
Se 196.026 A	1	Lin, Calc Int	0.0	462.9	0.00000	1.000000	
Si 251.611 R	1	Lin, Calc Int	0.0	1382	0.00000	1.000000	
SIO2 251.611 R	1	Lin, Calc Int	0.0	645.8	0.00000	1.000000	
Sn 189.927 A	1	Lin, Calc Int	-0.0	2633	0.00000	1.000000	
Sr 421.552 R	1	Lin, Calc Int	0.0	809800	0.00000	1.000000	
Ti 336.121 A	1	Lin, Calc Int	0.0	274000	0.00000	1.000000	
Tl 190.801 A	1	Lin, Calc Int	0.0	805.9	0.00000	1.000000	
V 292.402 A	1	Lin, Calc Int	-0.0	84070	0.00000	1.000000	
Zn 206.200 A	1	Lin, Calc Int	0.0	9992	0.00000	1.000000	

Sequence No.: 5
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 5/20/2009 7:39:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	176784.7	176784.7	101.866	%			07:41:18
1	Al 308.215 Rt	2639.7	2538.6	2.60099	mg/L	2.60099	mg/L	07:41:18
1	B 249.677 Rt	43.0	34.9	0.018004	mg/L	0.018004	mg/L	07:41:38
1	Be 313.107 Rt	72349.7	70924.7	0.495818	mg/L	0.495818	mg/L	07:41:18
1	Ca 315.887 Rt	38806.9	38152.0	10.3114	mg/L	10.3114	mg/L	07:41:18
1	Fe 273.955 Rt	4628.1	4524.7	5.07372	mg/L	5.07372	mg/L	07:41:18
1	K 766.490 Rt	26982.0	26179.2	10.0103	mg/L	10.0103	mg/L	07:41:18
1	Li 670.784 Rt	139.1	31.8	0.000342	mg/L	0.000342	mg/L	07:41:18
1	Mg 279.077 Rt	3206.9	3145.2	6.01549	mg/L	6.01549	mg/L	07:41:18
1	Mn 260.568 Rt	7131.9	6980.6	0.507189	mg/L	0.507189	mg/L	07:41:18
1	Na 589.592 Rt	81082.5	79517.1	10.0831	mg/L	10.0831	mg/L	07:41:18
1	Si 251.611 Rt	63.7	17.3	0.012323	mg/L	0.012323	mg/L	07:41:38
1	SIO2 251.611 Rt	63.7	17.3	0.026371	mg/L	0.026371	mg/L	07:41:38
1	Sr 421.552 Rt	10477.5	10094.6	0.012465	mg/L	0.012465	mg/L	07:41:18
1	Lu 261.542 A	2416707.0	2416707.0	99.6827	%			07:42:22
1	Ag 328.068 At	70765.4	71343.0	0.499231	mg/L	0.499231	mg/L	07:42:32
1	As 188.979 At	869.0	880.3	0.991161	mg/L	0.991161	mg/L	07:42:53
1	Ba 233.527 At	22425.4	22550.6	0.517620	mg/L	0.517620	mg/L	07:42:32
1	Bi 222.821 At	57.3	23.2	0.009263	mg/L	0.009263	mg/L	07:42:53
1	Cd 226.502 At	17360.9	17473.1	0.503954	mg/L	0.503954	mg/L	07:42:32
1	Co 228.616 At	9228.8	9345.1	0.508194	mg/L	0.508194	mg/L	07:42:32
1	Cr 267.716 At	19969.5	19870.0	0.504226	mg/L	0.504226	mg/L	07:42:32
1	Cu 324.752 At	91512.2	89243.9	0.496475	mg/L	0.496475	mg/L	07:42:32
1	Ga 417.206 At	5.5	80.8	-0.000202	mg/L	-0.000202	mg/L	07:42:32
1	La 379.478 At	147.1	612.6	0.003107	mg/L	0.003107	mg/L	07:42:32
1	Mo 202.031 At	91.3	61.4	0.007382	mg/L	0.007382	mg/L	07:42:53
1	Ni 232.003 At	5066.2	5168.0	0.484108	mg/L	0.484108	mg/L	07:42:53
1	P 213.617 At	-44.1	22.2	0.002089	mg/L	0.002089	mg/L	07:42:53
1	Pb 220.353 At	3939.5	3909.7	1.00214	mg/L	1.00214	mg/L	07:42:53
1	Sb 206.836 At	1713.1	1728.9	0.982607	mg/L	0.982607	mg/L	07:42:53
1	Sc 361.383 At	114.2	108.1	0.000092	mg/L	0.000092	mg/L	07:42:53
1	Se 196.026 At	417.5	444.5	0.959840	mg/L	0.959840	mg/L	07:42:53
1	Sn 189.927 At	-32.5	-4.4	-0.001684	mg/L	-0.001684	mg/L	07:42:53
1	Ti 336.121 At	693.3	1127.2	0.003899	mg/L	0.003899	mg/L	07:42:53
1	Tl 190.801 At	815.6	826.3	1.02611	mg/L	1.02611	mg/L	07:42:53
1	V 292.402 At	42447.8	42880.1	0.510690	mg/L	0.510690	mg/L	07:42:32
1	Zn 206.200 At	10021.6	10028.7	1.00274	mg/L	1.00274	mg/L	07:42:32
2	Lu 261.542 R	176835.6	176835.6	101.895	%			07:41:49
2	Al 308.215 Rt	2633.7	2531.9	2.59420	mg/L	2.59420	mg/L	07:41:49
2	B 249.677 Rt	44.9	36.8	0.018998	mg/L	0.018998	mg/L	07:42:09
2	Be 313.107 Rt	72284.0	70839.7	0.495225	mg/L	0.495225	mg/L	07:41:49
2	Ca 315.887 Rt	38805.0	38139.1	10.3079	mg/L	10.3079	mg/L	07:41:49
2	Fe 273.955 Rt	4647.2	4542.1	5.09327	mg/L	5.09327	mg/L	07:41:49
2	K 766.490 Rt	26971.2	26161.0	10.0033	mg/L	10.0033	mg/L	07:41:49
2	Li 670.784 Rt	185.7	77.5	0.000831	mg/L	0.000831	mg/L	07:41:49
2	Mg 279.077 Rt	3211.9	3149.3	6.02328	mg/L	6.02328	mg/L	07:41:49
2	Mn 260.568 Rt	7117.4	6964.3	0.506002	mg/L	0.506002	mg/L	07:41:49
2	Na 589.592 Rt	81333.8	79740.8	10.1115	mg/L	10.1115	mg/L	07:41:49
2	Si 251.611 Rt	67.5	20.9	0.014989	mg/L	0.014989	mg/L	07:42:09
2	SIO2 251.611 Rt	67.5	20.9	0.032077	mg/L	0.032077	mg/L	07:42:09
2	Sr 421.552 Rt	10493.0	10106.9	0.012481	mg/L	0.012481	mg/L	07:41:49
2	Lu 261.542 A	2419175.8	2419175.8	99.7845	%			07:43:04
2	Ag 328.068 At	70761.1	71266.3	0.498689	mg/L	0.498689	mg/L	07:43:14
2	As 188.979 At	871.4	881.8	0.992847	mg/L	0.992847	mg/L	07:43:35
2	Ba 233.527 At	22393.7	22495.9	0.516365	mg/L	0.516365	mg/L	07:43:14
2	Bi 222.821 At	53.7	19.5	0.005783	mg/L	0.005783	mg/L	07:43:35
2	Cd 226.502 At	17461.0	17555.6	0.506334	mg/L	0.506334	mg/L	07:43:14
2	Co 228.616 At	9227.3	9334.1	0.507596	mg/L	0.507596	mg/L	07:43:14
2	Cr 267.716 At	20019.8	19900.0	0.504987	mg/L	0.504987	mg/L	07:43:14
2	Cu 324.752 At	91021.3	88658.2	0.493216	mg/L	0.493216	mg/L	07:43:14

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2	Ga 417.206 At	12.4	87.7	-0.000124 mg/L	-0.000124 mg/L	07:43:14
2	La 379.478 At	125.9	591.2	0.002999 mg/L	0.002999 mg/L	07:43:14
2	Mo 202.031 At	92.2	62.2	0.007481 mg/L	0.007481 mg/L	07:43:35
2	Ni 232.003 At	5060.6	5157.2	0.483061 mg/L	0.483061 mg/L	07:43:35
2	P 213.617 At	-44.0	22.4	0.002287 mg/L	0.002287 mg/L	07:43:35
2	Pb 220.353 At	3933.6	3899.8	0.999577 mg/L	0.999577 mg/L	07:43:35
2	Sb 206.836 At	1714.2	1728.3	0.982208 mg/L	0.982208 mg/L	07:43:35
2	Sc 361.383 At	102.3	96.0	0.000082 mg/L	0.000082 mg/L	07:43:35
2	Se 196.026 At	418.6	445.2	0.961419 mg/L	0.961419 mg/L	07:43:35
2	Sn 189.927 At	-33.8	-5.7	-0.002147 mg/L	-0.002147 mg/L	07:43:35
2	Ti 336.121 At	700.7	1133.9	0.003923 mg/L	0.003923 mg/L	07:43:35
2	Tl 190.801 At	818.5	828.4	1.02874 mg/L	1.02874 mg/L	07:43:35
2	V 292.402 At	42399.4	42788.0	0.509596 mg/L	0.509596 mg/L	07:43:14
2	Zn 206.200 At	10057.6	10054.6	1.00533 mg/L	1.00533 mg/L	07:43:14

Mean Data: ICV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	176810.1	101.881	%	0.0207				0.02%
Lu 261.542 A	2417941.4	99.7336	%	0.07200				0.07%
Ag 328.068 At	71304.7	0.498960	mg/L	0.0003831	0.498960	mg/L	0.0003831	0.08%
QC value within limits for Ag 328.068 A Recovery = 99.59%								
Al 308.215 Rt	2535.3	2.59759	mg/L	0.004802	2.59759	mg/L	0.004802	0.18%
QC value within limits for Al 308.215 R Recovery = 103.04%								
As 188.979 At	881.1	0.992004	mg/L	0.0011927	0.992004	mg/L	0.0011927	0.12%
QC value within limits for As 188.979 A Recovery = 99.30%								
B 249.677 Rt	35.9	0.018501	mg/L	0.0007029	0.018501	mg/L	0.0007029	3.80%
Ba 233.527 At	22523.3	0.516993	mg/L	0.0008871	0.516993	mg/L	0.0008871	0.17%
QC value within limits for Ba 233.527 A Recovery = 104.02%								
Be 313.107 Rt	70882.2	0.495522	mg/L	0.0004199	0.495522	mg/L	0.0004199	0.08%
QC value within limits for Be 313.107 R Recovery = 100.11%								
Bi 222.821 At	21.4	0.007523	mg/L	0.0024606	0.007523	mg/L	0.0024606	32.71%
Ca 315.887 Rt	38145.6	10.3096	mg/L	0.00246	10.3096	mg/L	0.00246	0.02%
QC value within limits for Ca 315.887 R Recovery = 102.83%								
Cd 226.502 At	17514.3	0.505144	mg/L	0.0016830	0.505144	mg/L	0.0016830	0.33%
QC value within limits for Cd 226.502 A Recovery = 101.84%								
Co 228.616 At	9339.6	0.507895	mg/L	0.0004224	0.507895	mg/L	0.0004224	0.08%
QC value within limits for Co 228.616 A Recovery = 101.78%								
Cr 267.716 At	19885.0	0.504607	mg/L	0.0005383	0.504607	mg/L	0.0005383	0.11%
QC value within limits for Cr 267.716 A Recovery = 102.98%								
Cu 324.752 At	88951.1	0.494846	mg/L	0.0023044	0.494846	mg/L	0.0023044	0.47%
QC value within limits for Cu 324.752 A Recovery = 100.58%								
Fe 273.955 Rt	4533.4	5.08350	mg/L	0.013822	5.08350	mg/L	0.013822	0.27%
QC value within limits for Fe 273.955 R Recovery = 100.03%								
Ga 417.206 At	84.3	-0.000163	mg/L	0.0000554	-0.000163	mg/L	0.0000554	33.97%
K 766.490 Rt	26170.1	10.0068	mg/L	0.00494	10.0068	mg/L	0.00494	0.05%
QC value within limits for K 766.490 R Recovery = 99.86%								
La 379.478 At	601.9	0.003053	mg/L	0.0000769	0.003053	mg/L	0.0000769	2.52%
Li 670.784 Rt	54.7	0.000586	mg/L	0.0003463	0.000586	mg/L	0.0003463	59.05%
Mg 279.077 Rt	3147.2	6.01939	mg/L	0.005511	6.01939	mg/L	0.005511	0.09%
QC value within limits for Mg 279.077 R Recovery = 99.10%								
Mn 260.568 Rt	6972.4	0.506595	mg/L	0.0008391	0.506595	mg/L	0.0008391	0.17%
QC value within limits for Mn 260.568 R Recovery = 101.52%								
Mo 202.031 At	61.8	0.007431	mg/L	0.0000704	0.007431	mg/L	0.0000704	0.95%
Na 589.592 Rt	79629.0	10.0973	mg/L	0.02006	10.0973	mg/L	0.02006	0.20%
QC value within limits for Na 589.592 R Recovery = 100.00%								
Ni 232.003 At	5162.6	0.483585	mg/L	0.0007407	0.483585	mg/L	0.0007407	0.15%
QC value within limits for Ni 232.003 A Recovery = 96.14%								
P 213.617 At	22.3	0.002188	mg/L	0.0001398	0.002188	mg/L	0.0001398	6.39%
Pb 220.353 At	3904.8	1.00086	mg/L	0.001809	1.00086	mg/L	0.001809	0.18%
QC value within limits for Pb 220.353 A Recovery = 99.89%								
Sb 206.836 At	1728.6	0.982408	mg/L	0.0002820	0.982408	mg/L	0.0002820	0.03%
QC value within limits for Sb 206.836 A Recovery = 98.83%								
Sc 361.383 At	102.0	0.000087	mg/L	0.0000073	0.000087	mg/L	0.0000073	8.35%
Se 196.026 At	444.8	0.960629	mg/L	0.0011163	0.960629	mg/L	0.0011163	0.12%
QC value within limits for Se 196.026 A Recovery = 93.36%								
Si 251.611 Rt	19.1	0.013656	mg/L	0.0018853	0.013656	mg/L	0.0018853	13.81%
SIO2 251.611 Rt	19.1	0.029224	mg/L	0.0040345	0.029224	mg/L	0.0040345	13.81%
Sn 189.927 At	-5.0	-0.001916	mg/L	0.0003270	-0.001916	mg/L	0.0003270	17.07%
Sr 421.552 Rt	10100.7	0.012473	mg/L	0.0000107	0.012473	mg/L	0.0000107	0.09%
Ti 336.121 At	1130.6	0.003911	mg/L	0.0000172	0.003911	mg/L	0.0000172	0.44%

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Tl 190.801 At	827.3	1.02742	mg/L	0.001861	1.02742	mg/L	0.001861	0.18%
QC value within limits for Tl 190.801 A Recovery = 99.94%								
V 292.402 At	42834.1	0.510143	mg/L	0.0007735	0.510143	mg/L	0.0007735	0.15%
QC value within limits for V 292.402 A Recovery = 101.82%								
Zn 206.200 At	10041.7	1.00404	mg/L	0.001827	1.00404	mg/L	0.001827	0.18%
QC value within limits for Zn 206.200 A Recovery = 97.95%								

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 7:45:19 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	175565.8	175565.8	101.164	%			07:47:09
1	Al 308.215 Rt	52.8	-0.6	-0.000601	mg/L	-0.000601	mg/L	07:47:29
1	B 249.677 Rt	6.3	-1.0	-0.000518	mg/L	-0.000518	mg/L	07:47:29
1	Be 313.107 Rt	99.1	-1.8	-0.000013	mg/L	-0.000013	mg/L	07:47:29
1	Ca 315.887 Rt	-72.3	-15.6	-0.004210	mg/L	-0.004210	mg/L	07:47:29
1	Fe 273.955 Rt	15.7	-3.1	-0.003494	mg/L	-0.003494	mg/L	07:47:29
1	K 766.490 Rt	292.9	-19.0	-0.007260	mg/L	-0.007260	mg/L	07:47:09
1	Li 670.784 Rt	150.1	43.7	0.000469	mg/L	0.000469	mg/L	07:47:09
1	Mg 279.077 Rt	8.6	5.6	0.010645	mg/L	0.010645	mg/L	07:47:29
1	Mn 260.568 Rt	18.1	-2.8	-0.000203	mg/L	-0.000203	mg/L	07:47:29
1	Na 589.592 Rt	80.8	-0.3	-0.000039	mg/L	-0.000039	mg/L	07:47:09
1	Si 251.611 Rt	55.8	9.9	0.007134	mg/L	0.007134	mg/L	07:47:29
1	SIO2 251.611 Rt	55.8	9.9	0.015267	mg/L	0.015267	mg/L	07:47:29
1	Sr 421.552 Rt	161.9	-30.9	-0.000038	mg/L	-0.000038	mg/L	07:47:09
1	Lu 261.542 A	2441787.4	2441787.4	100.717	%			07:48:13
1	Ag 328.068 At	-351.4	3.5	0.000019	mg/L	0.000019	mg/L	07:48:23
1	As 188.979 At	-6.8	1.9	0.002082	mg/L	0.002082	mg/L	07:48:44
1	Ba 233.527 At	-50.6	3.6	0.000084	mg/L	0.000084	mg/L	07:48:44
1	Bi 222.821 At	39.0	4.4	0.004109	mg/L	0.004109	mg/L	07:48:44
1	Cd 226.502 At	-54.4	3.0	0.000087	mg/L	0.000087	mg/L	07:48:44
1	Co 228.616 At	-91.4	-3.9	-0.000212	mg/L	-0.000212	mg/L	07:48:44
1	Cr 267.716 At	153.2	-11.0	-0.000279	mg/L	-0.000279	mg/L	07:48:44
1	Cu 324.752 At	2544.6	-33.2	-0.000185	mg/L	-0.000185	mg/L	07:48:23
1	Ga 417.206 At	-64.0	11.7	0.000142	mg/L	0.000142	mg/L	07:48:23
1	La 379.478 At	-461.7	6.6	0.000033	mg/L	0.000033	mg/L	07:48:23
1	Mo 202.031 At	40.2	9.7	0.001177	mg/L	0.001177	mg/L	07:48:44
1	Ni 232.003 At	-84.7	1.6	0.000153	mg/L	0.000153	mg/L	07:48:44
1	P 213.617 At	-60.1	6.8	0.003980	mg/L	0.003980	mg/L	07:48:44
1	Pb 220.353 At	36.7	-5.9	-0.001513	mg/L	-0.001513	mg/L	07:48:44
1	Sb 206.836 At	-5.4	5.0	0.002873	mg/L	0.002873	mg/L	07:48:44
1	Sc 361.383 At	21.7	15.0	0.000013	mg/L	0.000013	mg/L	07:48:23
1	Se 196.026 At	-24.5	1.4	0.002915	mg/L	0.002915	mg/L	07:48:44
1	Sn 189.927 At	-22.5	5.8	0.002207	mg/L	0.002207	mg/L	07:48:44
1	Ti 336.121 At	-423.5	11.2	0.000041	mg/L	0.000041	mg/L	07:48:23
1	Tl 190.801 At	-7.1	1.1	0.001318	mg/L	0.001318	mg/L	07:48:44
1	V 292.402 At	-305.5	-6.2	-0.000066	mg/L	-0.000066	mg/L	07:48:23
1	Zn 206.200 At	18.9	-6.0	-0.000601	mg/L	-0.000601	mg/L	07:48:44
2	Lu 261.542 R	174644.0	174644.0	100.633	%			07:47:40
2	Al 308.215 Rt	53.8	0.7	0.000659	mg/L	0.000659	mg/L	07:48:00
2	B 249.677 Rt	7.2	-0.1	-0.000062	mg/L	-0.000062	mg/L	07:48:00
2	Be 313.107 Rt	102.9	2.5	0.000017	mg/L	0.000017	mg/L	07:48:00
2	Ca 315.887 Rt	-62.3	-6.0	-0.001609	mg/L	-0.001609	mg/L	07:48:00
2	Fe 273.955 Rt	13.8	-4.9	-0.005513	mg/L	-0.005513	mg/L	07:48:00
2	K 766.490 Rt	302.7	-7.7	-0.002953	mg/L	-0.002953	mg/L	07:47:40
2	Li 670.784 Rt	125.6	20.1	0.000215	mg/L	0.000215	mg/L	07:47:40
2	Mg 279.077 Rt	6.9	3.9	0.007517	mg/L	0.007517	mg/L	07:48:00
2	Mn 260.568 Rt	16.2	-4.6	-0.000334	mg/L	-0.000334	mg/L	07:48:00
2	Na 589.592 Rt	83.2	2.5	0.000323	mg/L	0.000323	mg/L	07:47:40
2	Si 251.611 Rt	49.7	4.0	0.002914	mg/L	0.002914	mg/L	07:48:00
2	SIO2 251.611 Rt	49.7	4.0	0.006235	mg/L	0.006235	mg/L	07:48:00
2	Sr 421.552 Rt	192.0	-0.2	0.000000	mg/L	0.000000	mg/L	07:47:40
2	Lu 261.542 A	2434868.9	2434868.9	100.432	%			07:48:55
2	Ag 328.068 At	-349.4	4.5	0.000034	mg/L	0.000034	mg/L	07:49:05
2	As 188.979 At	-9.5	-0.9	-0.000999	mg/L	-0.000999	mg/L	07:49:25
2	Ba 233.527 At	-57.1	-3.0	-0.000070	mg/L	-0.000070	mg/L	07:49:25
2	Bi 222.821 At	37.9	3.4	0.003156	mg/L	0.003156	mg/L	07:49:25
2	Cd 226.502 At	-56.0	1.2	0.000036	mg/L	0.000036	mg/L	07:49:25
2	Co 228.616 At	-90.0	-2.7	-0.000149	mg/L	-0.000149	mg/L	07:49:25
2	Cr 267.716 At	162.1	-1.7	-0.000043	mg/L	-0.000043	mg/L	07:49:25
2	Cu 324.752 At	2530.0	-40.6	-0.000226	mg/L	-0.000226	mg/L	07:49:05

2	Ga 417.206 At	-57.5	18.1	0.000218 mg/L	0.000218 mg/L	07:49:05
2	La 379.478 At	-483.5	-16.4	-0.000083 mg/L	-0.000083 mg/L	07:49:05
2	Mo 202.031 At	36.8	6.5	0.000783 mg/L	0.000783 mg/L	07:49:25
2	Ni 232.003 At	-79.9	6.1	0.000579 mg/L	0.000579 mg/L	07:49:25
2	P 213.617 At	-62.7	4.0	0.002330 mg/L	0.002330 mg/L	07:49:25
2	Pb 220.353 At	41.4	-1.1	-0.000270 mg/L	-0.000270 mg/L	07:49:25
2	Sb 206.836 At	-2.5	7.9	0.004533 mg/L	0.004533 mg/L	07:49:25
2	Sc 361.383 At	27.3	20.6	0.000018 mg/L	0.000018 mg/L	07:49:05
2	Se 196.026 At	-26.9	-1.1	-0.002477 mg/L	-0.002477 mg/L	07:49:25
2	Sn 189.927 At	-29.2	-0.9	-0.000343 mg/L	-0.000343 mg/L	07:49:25
2	Ti 336.121 At	-415.7	17.8	0.000065 mg/L	0.000065 mg/L	07:49:05
2	Tl 190.801 At	-8.4	-0.3	-0.000328 mg/L	-0.000328 mg/L	07:49:25
2	V 292.402 At	-299.3	-0.9	-0.000005 mg/L	-0.000005 mg/L	07:49:05
2	Zn 206.200 At	17.7	-7.1	-0.000714 mg/L	-0.000714 mg/L	07:49:25

Mean Data: ICB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	175104.9	100.898	%	0.3756				0.37%
Lu 261.542 A	2438328.1	100.574	%	0.2018				0.20%
Ag 328.068 At	4.0	0.000027	mg/L	0.0000101	0.000027	mg/L	0.0000101	37.96%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	0.0	0.000029	mg/L	0.0008912	0.000029	mg/L	0.0008912	>999.9%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	0.5	0.000542	mg/L	0.0021789	0.000542	mg/L	0.0021789	402.34%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-0.6	-0.000290	mg/L	0.0003221	-0.000290	mg/L	0.0003221	111.07%
Ba 233.527 At	0.3	0.000007	mg/L	0.0001085	0.000007	mg/L	0.0001085	>999.9%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	0.3	0.000002	mg/L	0.0000214	0.000002	mg/L	0.0000214	901.15%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	3.9	0.003632	mg/L	0.0006740	0.003632	mg/L	0.0006740	18.55%
Ca 315.887 Rt	-10.8	-0.002910	mg/L	0.0018390	-0.002910	mg/L	0.0018390	63.20%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	2.1	0.000062	mg/L	0.0000364	0.000062	mg/L	0.0000364	59.05%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-3.3	-0.000181	mg/L	0.0000446	-0.000181	mg/L	0.0000446	24.69%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-6.3	-0.000161	mg/L	0.0001668	-0.000161	mg/L	0.0001668	103.72%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	-36.9	-0.000206	mg/L	0.0000289	-0.000206	mg/L	0.0000289	14.07%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-4.0	-0.004503	mg/L	0.0014276	-0.004503	mg/L	0.0014276	31.70%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	14.9	0.000180	mg/L	0.0000542	0.000180	mg/L	0.0000542	30.13%
K 766.490 Rt	-13.4	-0.005107	mg/L	0.0030457	-0.005107	mg/L	0.0030457	59.64%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	-4.9	-0.000025	mg/L	0.0000824	-0.000025	mg/L	0.0000824	330.02%
Li 670.784 Rt	31.9	0.000342	mg/L	0.0001790	0.000342	mg/L	0.0001790	52.33%
Mg 279.077 Rt	4.7	0.009081	mg/L	0.0022117	0.009081	mg/L	0.0022117	24.36%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-3.7	-0.000269	mg/L	0.0000930	-0.000269	mg/L	0.0000930	34.60%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	8.1	0.000980	mg/L	0.0002785	0.000980	mg/L	0.0002785	28.43%
Na 589.592 Rt	1.1	0.000142	mg/L	0.0002559	0.000142	mg/L	0.0002559	180.06%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	3.9	0.000366	mg/L	0.0003014	0.000366	mg/L	0.0003014	82.36%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	5.4	0.003155	mg/L	0.0011668	0.003155	mg/L	0.0011668	36.98%
Pb 220.353 At	-3.5	-0.000892	mg/L	0.0008791	-0.000892	mg/L	0.0008791	98.58%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	6.5	0.003703	mg/L	0.0011743	0.003703	mg/L	0.0011743	31.71%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	17.8	0.000015	mg/L	0.0000034	0.000015	mg/L	0.0000034	22.45%
Se 196.026 At	0.1	0.000219	mg/L	0.0038133	0.000219	mg/L	0.0038133	>999.9%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	7.0	0.005024	mg/L	0.0029843	0.005024	mg/L	0.0029843	59.40%
SIO2 251.611 Rt	7.0	0.010751	mg/L	0.0063863	0.010751	mg/L	0.0063863	59.40%
Sn 189.927 At	2.5	0.000932	mg/L	0.0018035	0.000932	mg/L	0.0018035	193.52%
Sr 421.552 Rt	-15.5	-0.000019	mg/L	0.0000268	-0.000019	mg/L	0.0000268	139.60%
Ti 336.121 At	14.5	0.000053	mg/L	0.0000170	0.000053	mg/L	0.0000170	32.34%

Tl 190.801 At	0.4	0.000495 mg/L	0.0011642	0.000495 mg/L	0.0011642	235.17%
QC value within limits for Tl 190.801 A Recovery = Not calculated						
V 292.402 At	-3.6	-0.000036 mg/L	0.0000432	-0.000036 mg/L	0.0000432	121.07%
QC value within limits for V 292.402 A Recovery = Not calculated						
Zn 206.200 At	-6.6	-0.000657 mg/L	0.0000796	-0.000657 mg/L	0.0000796	12.12%
QC value within limits for Zn 206.200 A Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2009 7:51:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	176315.5	176315.5	101.596	%			07:52:57
1	Al 308.215 Rt	90.9	36.6	0.037021	mg/L	0.037021	mg/L	07:53:18
1	B 249.677 Rt	20.2	12.7	0.006525	mg/L	0.006525	mg/L	07:53:18
1	Be 313.107 Rt	782.4	670.4	0.004687	mg/L	0.004687	mg/L	07:53:18
1	Ca 315.887 Rt	270.8	322.5	0.087170	mg/L	0.087170	mg/L	07:53:18
1	Fe 273.955 Rt	18.6	-0.3	-0.000512	mg/L	-0.000512	mg/L	07:53:18
1	K 766.490 Rt	307.4	-5.9	-0.002262	mg/L	-0.002262	mg/L	07:52:57
1	Li 670.784 Rt	142.7	35.8	0.000384	mg/L	0.000384	mg/L	07:52:57
1	Mg 279.077 Rt	10.2	7.1	0.013635	mg/L	0.013635	mg/L	07:53:18
1	Mn 260.568 Rt	228.2	203.9	0.014811	mg/L	0.014811	mg/L	07:53:18
1	Na 589.592 Rt	104.4	22.6	0.002868	mg/L	0.002868	mg/L	07:52:57
1	Si 251.611 Rt	46.2	0.2	0.000153	mg/L	0.000153	mg/L	07:53:18
1	SIO2 251.611 Rt	46.2	0.2	0.000328	mg/L	0.000328	mg/L	07:53:18
1	Sr 421.552 Rt	670.2	468.7	0.000579	mg/L	0.000579	mg/L	07:52:57
1	Lu 261.542 A	2457349.8	2457349.8	101.359	%			07:54:01
1	Ag 328.068 At	823.2	1164.6	0.008158	mg/L	0.008158	mg/L	07:54:12
1	As 188.979 At	2.7	11.2	0.012670	mg/L	0.012670	mg/L	07:54:32
1	Ba 233.527 At	-46.8	7.6	0.000175	mg/L	0.000175	mg/L	07:54:32
1	Bi 222.821 At	36.6	1.8	0.001614	mg/L	0.001614	mg/L	07:54:32
1	Cd 226.502 At	115.8	171.2	0.004972	mg/L	0.004972	mg/L	07:54:32
1	Co 228.616 At	843.1	918.7	0.049959	mg/L	0.049959	mg/L	07:54:32
1	Cr 267.716 At	549.1	378.6	0.009602	mg/L	0.009602	mg/L	07:54:32
1	Cu 324.752 At	6906.5	4254.2	0.023674	mg/L	0.023674	mg/L	07:54:12
1	Ga 417.206 At	11.4	86.5	0.001040	mg/L	0.001040	mg/L	07:54:12
1	La 379.478 At	-455.3	15.8	0.000080	mg/L	0.000080	mg/L	07:54:12
1	Mo 202.031 At	33.4	2.8	0.000341	mg/L	0.000341	mg/L	07:54:32
1	Ni 232.003 At	321.7	403.0	0.038233	mg/L	0.038233	mg/L	07:54:32
1	P 213.617 At	-55.0	12.2	0.006531	mg/L	0.006531	mg/L	07:54:32
1	Pb 220.353 At	77.5	34.1	0.008750	mg/L	0.008750	mg/L	07:54:32
1	Sb 206.836 At	100.3	109.4	0.062432	mg/L	0.062432	mg/L	07:54:32
1	Sc 361.383 At	27.8	20.9	0.000018	mg/L	0.000018	mg/L	07:54:12
1	Se 196.026 At	-5.9	19.8	0.042825	mg/L	0.042825	mg/L	07:54:32
1	Sn 189.927 At	-25.5	3.0	0.001152	mg/L	0.001152	mg/L	07:54:32
1	Ti 336.121 At	-392.6	44.3	0.000161	mg/L	0.000161	mg/L	07:54:12
1	Tl 190.801 At	10.8	18.7	0.023160	mg/L	0.023160	mg/L	07:54:32
1	V 292.402 At	3996.3	4239.9	0.050451	mg/L	0.050451	mg/L	07:54:12
1	Zn 206.200 At	626.9	593.8	0.059407	mg/L	0.059407	mg/L	07:54:32
2	Lu 261.542 R	178292.8	178292.8	102.735	%			07:53:28
2	Al 308.215 Rt	93.0	37.7	0.038144	mg/L	0.038144	mg/L	07:53:48
2	B 249.677 Rt	24.4	16.5	0.008500	mg/L	0.008500	mg/L	07:53:48
2	Be 313.107 Rt	788.1	667.4	0.004666	mg/L	0.004666	mg/L	07:53:48
2	Ca 315.887 Rt	265.2	314.1	0.084883	mg/L	0.084883	mg/L	07:53:48
2	Fe 273.955 Rt	17.5	-1.6	-0.002003	mg/L	-0.002003	mg/L	07:53:48
2	K 766.490 Rt	308.6	-8.1	-0.003105	mg/L	-0.003105	mg/L	07:53:28
2	Li 670.784 Rt	138.8	30.4	0.000326	mg/L	0.000326	mg/L	07:53:28
2	Mg 279.077 Rt	9.7	6.6	0.012555	mg/L	0.012555	mg/L	07:53:48
2	Mn 260.568 Rt	226.0	199.3	0.014476	mg/L	0.014476	mg/L	07:53:48
2	Na 589.592 Rt	118.2	34.9	0.004430	mg/L	0.004430	mg/L	07:53:28
2	Si 251.611 Rt	43.2	-3.3	-0.002384	mg/L	-0.002384	mg/L	07:53:48
2	SIO2 251.611 Rt	43.2	-3.3	-0.005103	mg/L	-0.005103	mg/L	07:53:48
2	Sr 421.552 Rt	691.5	482.1	0.000595	mg/L	0.000595	mg/L	07:53:28
2	Lu 261.542 A	2459138.2	2459138.2	101.433	%			07:54:43
2	Ag 328.068 At	800.0	1141.1	0.008004	mg/L	0.008004	mg/L	07:54:53
2	As 188.979 At	-1.6	7.0	0.007830	mg/L	0.007830	mg/L	07:55:14
2	Ba 233.527 At	-48.0	6.5	0.000149	mg/L	0.000149	mg/L	07:55:14
2	Bi 222.821 At	34.9	0.1	0.000047	mg/L	0.000047	mg/L	07:55:14
2	Cd 226.502 At	126.9	182.0	0.005287	mg/L	0.005287	mg/L	07:55:14
2	Co 228.616 At	848.4	923.3	0.050210	mg/L	0.050210	mg/L	07:55:14
2	Cr 267.716 At	556.6	385.7	0.009781	mg/L	0.009781	mg/L	07:55:14
2	Cu 324.752 At	6901.9	4244.7	0.023622	mg/L	0.023622	mg/L	07:54:53

Method: ILMO5 OPT5 Page 14 Date: 5/20/2009 7:55:17 AM

2	Ga 417.206 At	49.2	123.8	0.001489 mg/L	0.001489 mg/L	07:54:53
2	La 379.478 At	-454.9	16.6	0.000084 mg/L	0.000084 mg/L	07:54:53
2	Mo 202.031 At	32.2	1.6	0.000194 mg/L	0.000194 mg/L	07:55:14
2	Ni 232.003 At	329.7	410.7	0.038961 mg/L	0.038961 mg/L	07:55:14
2	P 213.617 At	-51.2	16.0	0.008734 mg/L	0.008734 mg/L	07:55:14
2	Pb 220.353 At	76.1	32.7	0.008391 mg/L	0.008391 mg/L	07:55:14
2	Sb 206.836 At	103.5	112.4	0.064166 mg/L	0.064166 mg/L	07:55:14
2	Sc 361.383 At	25.4	18.5	0.000016 mg/L	0.000016 mg/L	07:54:53
2	Se 196.026 At	-6.1	19.7	0.042476 mg/L	0.042476 mg/L	07:55:14
2	Sn 189.927 At	-21.5	7.0	0.002645 mg/L	0.002645 mg/L	07:55:14
2	Ti 336.121 At	-391.1	46.1	0.000167 mg/L	0.000167 mg/L	07:54:53
2	Tl 190.801 At	13.0	20.9	0.025878 mg/L	0.025878 mg/L	07:55:14
2	V 292.402 At	3951.6	4192.9	0.049892 mg/L	0.049892 mg/L	07:54:53
2	Zn 206.200 At	629.3	595.7	0.059596 mg/L	0.059596 mg/L	07:55:14

Mean Data: CRI

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	177304.2	102.165	%	0.8057				0.79%
Lu 261.542 A	2458244.0	101.396	%	0.0522				0.05%
Ag 328.068 At	1152.9	0.008081	mg/L	0.0001089	0.008081	mg/L	0.0001089	1.35%
QC value within limits for Ag 328.068 A Recovery = 80.81%								
Al 308.215 Rt	37.2	0.037582	mg/L	0.0007937	0.037582	mg/L	0.0007937	2.11%
As 188.979 At	9.1	0.010250	mg/L	0.0034224	0.010250	mg/L	0.0034224	33.39%
QC value within limits for As 188.979 A Recovery = 102.50%								
B 249.677 Rt	14.6	0.007512	mg/L	0.0013966	0.007512	mg/L	0.0013966	18.59%
Ba 233.527 At	7.0	0.000162	mg/L	0.0000187	0.000162	mg/L	0.0000187	11.57%
Be 313.107 Rt	668.9	0.004677	mg/L	0.0000149	0.004677	mg/L	0.0000149	0.32%
QC value within limits for Be 313.107 R Recovery = 93.53%								
Bi 222.821 At	0.9	0.000831	mg/L	0.0011080	0.000831	mg/L	0.0011080	133.41%
Ca 315.887 Rt	318.3	0.086027	mg/L	0.0016173	0.086027	mg/L	0.0016173	1.88%
Cd 226.502 At	176.6	0.005129	mg/L	0.0002222	0.005129	mg/L	0.0002222	4.33%
QC value within limits for Cd 226.502 A Recovery = 102.59%								
Co 228.616 At	921.0	0.050085	mg/L	0.0001777	0.050085	mg/L	0.0001777	0.35%
QC value within limits for Co 228.616 A Recovery = 100.17%								
Cr 267.716 At	382.2	0.009691	mg/L	0.0001267	0.009691	mg/L	0.0001267	1.31%
QC value within limits for Cr 267.716 A Recovery = 96.91%								
Cu 324.752 At	4249.5	0.023648	mg/L	0.0000373	0.023648	mg/L	0.0000373	0.16%
QC value within limits for Cu 324.752 A Recovery = 94.59%								
Fe 273.955 Rt	-0.9	-0.001257	mg/L	0.0010548	-0.001257	mg/L	0.0010548	83.89%
Ga 417.206 At	105.2	0.001265	mg/L	0.0003172	0.001265	mg/L	0.0003172	25.08%
K 766.490 Rt	-7.0	-0.002684	mg/L	0.0005961	-0.002684	mg/L	0.0005961	22.21%
La 379.478 At	16.2	0.000082	mg/L	0.0000026	0.000082	mg/L	0.0000026	3.22%
Li 670.784 Rt	33.1	0.000355	mg/L	0.0000407	0.000355	mg/L	0.0000407	11.46%
Mg 279.077 Rt	6.8	0.013095	mg/L	0.0007638	0.013095	mg/L	0.0007638	5.83%
Mn 260.568 Rt	201.6	0.014644	mg/L	0.0002371	0.014644	mg/L	0.0002371	1.62%
QC value within limits for Mn 260.568 R Recovery = 97.62%								
Mo 202.031 At	2.2	0.000267	mg/L	0.0001037	0.000267	mg/L	0.0001037	38.79%
Na 589.592 Rt	28.8	0.003649	mg/L	0.0011046	0.003649	mg/L	0.0011046	30.27%
Ni 232.003 At	406.9	0.038597	mg/L	0.0005150	0.038597	mg/L	0.0005150	1.33%
QC value within limits for Ni 232.003 A Recovery = 96.49%								
P 213.617 At	14.1	0.007633	mg/L	0.0015579	0.007633	mg/L	0.0015579	20.41%
Pb 220.353 At	33.4	0.008571	mg/L	0.0002540	0.008571	mg/L	0.0002540	2.96%
QC value within limits for Pb 220.353 A Recovery = 85.71%								
Sb 206.836 At	110.9	0.063299	mg/L	0.0012266	0.063299	mg/L	0.0012266	1.94%
QC value within limits for Sb 206.836 A Recovery = 105.50%								
Sc 361.383 At	19.7	0.000017	mg/L	0.0000015	0.000017	mg/L	0.0000015	8.65%
Se 196.026 At	19.7	0.042651	mg/L	0.0002463	0.042651	mg/L	0.0002463	0.58%
QC value within limits for Se 196.026 A Recovery = 121.86%								
Si 251.611 Rt	-1.5	-0.001116	mg/L	0.0017943	-0.001116	mg/L	0.0017943	160.84%
SIO2 251.611 Rt	-1.5	-0.002387	mg/L	0.0038398	-0.002387	mg/L	0.0038398	160.84%
Sn 189.927 At	5.0	0.001898	mg/L	0.0010554	0.001898	mg/L	0.0010554	55.60%
Sr 421.552 Rt	475.4	0.000587	mg/L	0.0000117	0.000587	mg/L	0.0000117	1.99%
Ti 336.121 At	45.2	0.000164	mg/L	0.0000046	0.000164	mg/L	0.0000046	2.80%
Tl 190.801 At	19.8	0.024519	mg/L	0.0019219	0.024519	mg/L	0.0019219	7.84%
QC value within limits for Tl 190.801 A Recovery = 98.08%								
V 292.402 At	4216.4	0.050171	mg/L	0.0003955	0.050171	mg/L	0.0003955	0.79%
QC value within limits for V 292.402 A Recovery = 100.34%								
Zn 206.200 At	594.7	0.059501	mg/L	0.0001338	0.059501	mg/L	0.0001338	0.22%
QC value within limits for Zn 206.200 A Recovery = 99.17%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2009 7:56:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	175064.6	175064.6	100.875	%			07:58:47
1	Al 308.215 Rt	240800.7	238659.6	245.117	mg/L	245.117	mg/L	07:58:47
1	B 249.677 Rt	0.1	-7.1	-0.003663	mg/L	-0.003663	mg/L	07:59:17
1	Be 313.107 Rt	178.6	77.3	0.000544	mg/L	0.000544	mg/L	07:59:17
1	Ca 315.887 Rt	895975.9	888261.5	240.071	mg/L	240.071	mg/L	07:58:47
1	Fe 273.955 Rt	83088.4	82349.2	92.3673	mg/L	92.3673	mg/L	07:58:57
1	K 766.490 Rt	283.7	-27.3	-0.010425	mg/L	-0.010425	mg/L	07:58:57
1	Li 670.784 Rt	95.0	-10.5	-0.000113	mg/L	-0.000113	mg/L	07:58:57
1	Mg 279.077 Rt	134374.8	133206.5	254.769	mg/L	254.769	mg/L	07:58:47
1	Mn 260.568 Rt	433.2	408.8	0.015844	mg/L	0.015844	mg/L	07:59:17
1	Na 589.592 Rt	6455.2	6319.0	0.801282	mg/L	0.801282	mg/L	07:58:57
1	Si 251.611 Rt	76.8	30.9	0.022208	mg/L	0.022208	mg/L	07:59:17
1	SIO2 251.611 Rt	76.8	30.9	0.047525	mg/L	0.047525	mg/L	07:59:17
1	Sr 421.552 Rt	76021.1	75170.8	0.092825	mg/L	0.092825	mg/L	07:58:57
1	Lu 261.542 A	2250774.4	2250774.4	92.8384	%			08:00:12
1	Ag 328.068 At	-795.0	-504.0	0.000411	mg/L	0.000411	mg/L	08:00:22
1	As 188.979 At	-7.7	0.2	-0.000562	mg/L	-0.000562	mg/L	08:00:42
1	Ba 233.527 At	203.8	273.3	0.006274	mg/L	0.006274	mg/L	08:00:42
1	Bi 222.821 At	91.4	64.1	-0.007658	mg/L	-0.007658	mg/L	08:00:42
1	Cd 226.502 At	618.5	723.2	-0.003125	mg/L	-0.003125	mg/L	08:00:42
1	Co 228.616 At	9.1	96.7	0.005252	mg/L	0.005252	mg/L	08:00:42
1	Cr 267.716 At	1823.5	1801.1	0.044170	mg/L	0.044170	mg/L	08:00:42
1	Cu 324.752 At	6814.4	4780.4	0.026601	mg/L	0.026601	mg/L	08:00:22
1	Ga 417.206 At	3667.9	4026.2	0.027338	mg/L	0.027338	mg/L	08:00:22
1	La 379.478 At	3633.6	4378.9	0.022210	mg/L	0.022210	mg/L	08:00:22
1	Mo 202.031 At	87.2	63.7	0.006123	mg/L	0.006123	mg/L	08:00:42
1	Ni 232.003 At	-651.6	-616.2	0.029511	mg/L	0.029511	mg/L	08:00:22
1	P 213.617 At	-39.5	23.9	0.046651	mg/L	0.046651	mg/L	08:00:42
1	Pb 220.353 At	44.3	5.4	0.006267	mg/L	0.006267	mg/L	08:00:42
1	Sb 206.836 At	-7.5	2.3	-0.001971	mg/L	-0.001971	mg/L	08:00:42
1	Sc 361.383 At	-609.3	-662.8	-0.000565	mg/L	-0.000565	mg/L	08:00:22
1	Se 196.026 At	-5.7	19.5	0.029910	mg/L	0.029910	mg/L	08:00:42
1	Sn 189.927 At	-56.3	-32.5	-0.012328	mg/L	-0.012328	mg/L	08:00:42
1	Ti 336.121 At	92.2	531.0	-0.005380	mg/L	-0.005380	mg/L	08:00:22
1	Tl 190.801 At	-10.1	-2.8	0.001921	mg/L	0.001921	mg/L	08:00:42
1	V 292.402 At	173.2	483.7	-0.000229	mg/L	-0.000229	mg/L	08:00:42
1	Zn 206.200 At	325.5	325.9	0.032594	mg/L	0.032594	mg/L	08:00:42
2	Lu 261.542 R	174327.9	174327.9	100.450	%			07:59:28
2	Al 308.215 Rt	239896.9	238768.6	245.229	mg/L	245.229	mg/L	07:59:28
2	B 249.677 Rt	0.7	-6.6	-0.003358	mg/L	-0.003358	mg/L	07:59:59
2	Be 313.107 Rt	169.3	68.8	0.000485	mg/L	0.000485	mg/L	07:59:59
2	Ca 315.887 Rt	892189.7	888245.9	240.067	mg/L	240.067	mg/L	07:59:28
2	Fe 273.955 Rt	82923.6	82533.2	92.5737	mg/L	92.5737	mg/L	07:59:38
2	K 766.490 Rt	299.3	-10.6	-0.004035	mg/L	-0.004035	mg/L	07:59:38
2	Li 670.784 Rt	87.9	-17.2	-0.000184	mg/L	-0.000184	mg/L	07:59:38
2	Mg 279.077 Rt	134043.6	133439.8	255.215	mg/L	255.215	mg/L	07:59:28
2	Mn 260.568 Rt	426.6	404.0	0.015473	mg/L	0.015473	mg/L	07:59:59
2	Na 589.592 Rt	6447.5	6338.4	0.803739	mg/L	0.803739	mg/L	07:59:38
2	Si 251.611 Rt	78.2	32.6	0.023444	mg/L	0.023444	mg/L	07:59:59
2	SIO2 251.611 Rt	78.2	32.6	0.050171	mg/L	0.050171	mg/L	07:59:59
2	Sr 421.552 Rt	75883.3	75352.1	0.093049	mg/L	0.093049	mg/L	07:59:38
2	Lu 261.542 A	2250684.3	2250684.3	92.8347	%			08:00:54
2	Ag 328.068 At	-806.1	-515.9	0.000328	mg/L	0.000328	mg/L	08:01:04
2	As 188.979 At	-4.9	3.3	0.002844	mg/L	0.002844	mg/L	08:01:24
2	Ba 233.527 At	207.7	277.6	0.006371	mg/L	0.006371	mg/L	08:01:24
2	Bi 222.821 At	91.0	63.7	-0.008240	mg/L	-0.008240	mg/L	08:01:24
2	Cd 226.502 At	610.2	714.2	-0.003440	mg/L	-0.003440	mg/L	08:01:24
2	Co 228.616 At	12.2	100.0	0.005433	mg/L	0.005433	mg/L	08:01:24
2	Cr 267.716 At	1819.1	1796.5	0.044051	mg/L	0.044051	mg/L	08:01:24
2	Cu 324.752 At	6846.1	4814.8	0.026792	mg/L	0.026792	mg/L	08:01:04

2	Ga 417.206 At	3731.3	4094.6	0.028115 mg/L	0.028115 mg/L	08:01:04
2	La 379.478 At	3606.2	4349.5	0.022061 mg/L	0.022061 mg/L	08:01:04
2	Mo 202.031 At	89.9	66.7	0.006486 mg/L	0.006486 mg/L	08:01:24
2	Ni 232.003 At	-686.5	-653.8	0.026121 mg/L	0.026121 mg/L	08:01:04
2	P 213.617 At	-44.5	18.5	0.043567 mg/L	0.043567 mg/L	08:01:24
2	Pb 220.353 At	36.1	-3.5	0.003969 mg/L	0.003969 mg/L	08:01:24
2	Sb 206.836 At	-15.2	-6.0	-0.006748 mg/L	-0.006748 mg/L	08:01:24
2	Sc 361.383 At	-572.9	-623.7	-0.000532 mg/L	-0.000532 mg/L	08:01:04
2	Se 196.026 At	-7.8	17.3	0.025075 mg/L	0.025075 mg/L	08:01:24
2	Sn 189.927 At	-57.4	-33.6	-0.012778 mg/L	-0.012778 mg/L	08:01:24
2	Ti 336.121 At	75.7	513.3	-0.005454 mg/L	-0.005454 mg/L	08:01:04
2	Tl 190.801 At	-7.3	0.2	0.005633 mg/L	0.005633 mg/L	08:01:24
2	V 292.402 At	179.1	490.0	-0.000165 mg/L	-0.000165 mg/L	08:01:24
2	Zn 206.200 At	334.4	335.5	0.033559 mg/L	0.033559 mg/L	08:01:24

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	174696.2	100.663	%	0.3002				0.30%
Lu 261.542 A	2250729.3	92.8365	%	0.00263				0.00%
Ag 328.068 At	-510.0	0.000370	mg/L	0.0000586	0.000370	mg/L	0.0000586	15.85%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	238714.1	245.173	mg/L	0.0792	245.173	mg/L	0.0792	0.03%
QC value within limits for Al 308.215 R Recovery = 100.44%								
As 188.979 At	1.7	0.001141	mg/L	0.0024080	0.001141	mg/L	0.0024080	211.03%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-6.9	-0.003511	mg/L	0.0002155	-0.003511	mg/L	0.0002155	6.14%
Ba 233.527 At	275.4	0.006322	mg/L	0.0000687	0.006322	mg/L	0.0000687	1.09%
QC value within limits for Ba 233.527 A Recovery = 316.11%								
Be 313.107 Rt	73.0	0.000514	mg/L	0.0000419	0.000514	mg/L	0.0000419	8.14%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	63.9	-0.007949	mg/L	0.0004116	-0.007949	mg/L	0.0004116	5.18%
Ca 315.887 Rt	888253.7	240.069	mg/L	0.0030	240.069	mg/L	0.0030	0.00%
QC value within limits for Ca 315.887 R Recovery = 102.20%								
Cd 226.502 At	718.7	-0.003283	mg/L	0.0002231	-0.003283	mg/L	0.0002231	6.80%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	98.3	0.005342	mg/L	0.0001283	0.005342	mg/L	0.0001283	2.40%
QC value within limits for Co 228.616 A Recovery = 133.56%								
Cr 267.716 At	1798.8	0.044111	mg/L	0.0000842	0.044111	mg/L	0.0000842	0.19%
QC value within limits for Cr 267.716 A Recovery = 102.58%								
Cu 324.752 At	4797.6	0.026697	mg/L	0.0001354	0.026697	mg/L	0.0001354	0.51%
QC value within limits for Cu 324.752 A Recovery = 116.07%								
Fe 273.955 Rt	82441.2	92.4705	mg/L	0.14594	92.4705	mg/L	0.14594	0.16%
QC value within limits for Fe 273.955 R Recovery = 96.73%								
Ga 417.206 At	4060.4	0.027726	mg/L	0.0005490	0.027726	mg/L	0.0005490	1.98%
K 766.490 Rt	-18.9	-0.007230	mg/L	0.0045187	-0.007230	mg/L	0.0045187	62.50%
La 379.478 At	4364.2	0.022136	mg/L	0.0001055	0.022136	mg/L	0.0001055	0.48%
Li 670.784 Rt	-13.8	-0.000148	mg/L	0.0000508	-0.000148	mg/L	0.0000508	34.22%
Mg 279.077 Rt	133323.2	254.992	mg/L	0.3154	254.992	mg/L	0.3154	0.12%
QC value within limits for Mg 279.077 R Recovery = 103.03%								
Mn 260.568 Rt	406.4	0.015658	mg/L	0.0002627	0.015658	mg/L	0.0002627	1.68%
QC value within limits for Mn 260.568 R Recovery = 82.41%								
Mo 202.031 At	65.2	0.006305	mg/L	0.0002566	0.006305	mg/L	0.0002566	4.07%
Na 589.592 Rt	6328.7	0.802510	mg/L	0.0017375	0.802510	mg/L	0.0017375	0.22%
Ni 232.003 At	-635.0	0.027816	mg/L	0.0023973	0.027816	mg/L	0.0023973	8.62%
QC value within limits for Ni 232.003 A Recovery = 132.46%								
P 213.617 At	21.2	0.045109	mg/L	0.0021806	0.045109	mg/L	0.0021806	4.83%
Pb 220.353 At	1.0	0.005118	mg/L	0.0016252	0.005118	mg/L	0.0016252	31.76%
QC value within limits for Pb 220.353 A Recovery = 51.18%								
Sb 206.836 At	-1.8	-0.004360	mg/L	0.0033777	-0.004360	mg/L	0.0033777	77.47%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-643.2	-0.000548	mg/L	0.0000236	-0.000548	mg/L	0.0000236	4.30%
Se 196.026 At	18.4	0.027493	mg/L	0.0034186	0.027493	mg/L	0.0034186	12.43%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	31.7	0.022826	mg/L	0.0008742	0.022826	mg/L	0.0008742	3.83%
SIO2 251.611 Rt	31.7	0.048848	mg/L	0.0018709	0.048848	mg/L	0.0018709	3.83%
Sn 189.927 At	-33.1	-0.012553	mg/L	0.0003176	-0.012553	mg/L	0.0003176	2.53%
Sr 421.552 Rt	75261.5	0.092937	mg/L	0.0001583	0.092937	mg/L	0.0001583	0.17%
Ti 336.121 At	522.2	-0.005417	mg/L	0.0000522	-0.005417	mg/L	0.0000522	0.96%
Tl 190.801 At	-1.3	0.003777	mg/L	0.0026245	0.003777	mg/L	0.0026245	69.49%
QC value within limits for Tl 190.801 A Recovery = Not calculated								

V 292.402 At	486.8	-0.000197 mg/L	0.0000452	-0.000197 mg/L	0.0000452	22.97%
QC value within limits for V 292.402 A Recovery = -19.69%						
Zn 206.200 At	330.7	0.033077 mg/L	0.0006819	0.033077 mg/L	0.0006819	2.06%
QC value within limits for Zn 206.200 A Recovery = 118.13%						

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/20/2009 8:03:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	172867.7	172867.7	99.6090	%			08:04:58
1	Al 308.215 Rt	234727.2	235595.9	241.964	mg/L	241.964	mg/L	08:04:58
1	B 249.677 Rt	10.9	3.7	0.001821	mg/L	0.001821	mg/L	08:05:29
1	Be 313.107 Rt	68791.7	68962.0	0.482102	mg/L	0.482102	mg/L	08:04:58
1	Ca 315.887 Rt	868014.7	871478.3	235.535	mg/L	235.535	mg/L	08:04:58
1	Fe 273.955 Rt	80918.0	81217.1	91.0955	mg/L	91.0955	mg/L	08:05:09
1	K 766.490 Rt	289.5	-17.9	-0.006827	mg/L	-0.006827	mg/L	08:05:09
1	Li 670.784 Rt	132.9	28.7	0.000308	mg/L	0.000308	mg/L	08:05:09
1	Mg 279.077 Rt	130081.9	130589.6	249.764	mg/L	249.764	mg/L	08:04:58
1	Mn 260.568 Rt	6830.1	6836.2	0.483553	mg/L	0.483553	mg/L	08:05:29
1	Na 589.592 Rt	6383.5	6328.4	0.802468	mg/L	0.802468	mg/L	08:05:09
1	Si 251.611 Rt	96.6	51.7	0.037246	mg/L	0.037246	mg/L	08:05:29
1	SIO2 251.611 Rt	96.6	51.7	0.079706	mg/L	0.079706	mg/L	08:05:29
1	Sr 421.552 Rt	74804.0	74906.7	0.092499	mg/L	0.092499	mg/L	08:05:09
1	Lu 261.542 A	2236518.7	2236518.7	92.2504	%			08:06:24
1	Ag 328.068 At	27281.5	29925.7	0.213870	mg/L	0.213870	mg/L	08:06:34
1	As 188.979 At	72.3	87.0	0.096433	mg/L	0.096433	mg/L	08:06:55
1	Ba 233.527 At	19569.9	21267.8	0.488175	mg/L	0.488175	mg/L	08:06:34
1	Bi 222.821 At	101.1	75.3	-0.003776	mg/L	-0.003776	mg/L	08:06:55
1	Cd 226.502 At	30665.9	33298.9	0.939497	mg/L	0.939497	mg/L	08:06:34
1	Co 228.616 At	7900.1	8650.7	0.470435	mg/L	0.470435	mg/L	08:06:34
1	Cr 267.716 At	19394.9	20861.1	0.527900	mg/L	0.527900	mg/L	08:06:34
1	Cu 324.752 At	99890.5	105722.2	0.588342	mg/L	0.588342	mg/L	08:06:24
1	Ga 417.206 At	3539.0	3911.6	0.026250	mg/L	0.026250	mg/L	08:06:34
1	La 379.478 At	3922.0	4716.5	0.023923	mg/L	0.023923	mg/L	08:06:34
1	Mo 202.031 At	84.5	61.4	0.005872	mg/L	0.005872	mg/L	08:06:55
1	Ni 232.003 At	9420.3	10297.4	1.05705	mg/L	1.05705	mg/L	08:06:34
1	P 213.617 At	-31.8	32.0	0.036037	mg/L	0.036037	mg/L	08:06:55
1	Pb 220.353 At	219.9	196.1	0.054483	mg/L	0.054483	mg/L	08:06:55
1	Sb 206.836 At	945.8	1035.6	0.585278	mg/L	0.585278	mg/L	08:06:55
1	Sc 361.383 At	-582.9	-638.4	-0.000544	mg/L	-0.000544	mg/L	08:06:34
1	Se 196.026 At	7.4	33.6	0.060428	mg/L	0.060428	mg/L	08:06:55
1	Sn 189.927 At	-62.7	-39.7	-0.015087	mg/L	-0.015087	mg/L	08:06:55
1	Ti 336.121 At	70.1	507.7	-0.005323	mg/L	-0.005323	mg/L	08:06:34
1	Tl 190.801 At	56.0	68.8	0.091113	mg/L	0.091113	mg/L	08:06:55
1	V 292.402 At	38938.0	42506.2	0.500590	mg/L	0.500590	mg/L	08:06:34
1	Zn 206.200 At	8769.9	9481.9	0.948138	mg/L	0.948138	mg/L	08:06:34
2	Lu 261.542 R	174519.0	174519.0	100.560	%			08:05:40
2	Al 308.215 Rt	237182.0	235807.3	242.181	mg/L	242.181	mg/L	08:05:40
2	B 249.677 Rt	14.0	6.7	0.003390	mg/L	0.003390	mg/L	08:06:10
2	Be 313.107 Rt	69551.7	69064.3	0.482817	mg/L	0.482817	mg/L	08:05:40
2	Ca 315.887 Rt	876682.7	871852.6	235.636	mg/L	235.636	mg/L	08:05:40
2	Fe 273.955 Rt	82307.0	81829.7	91.7829	mg/L	91.7829	mg/L	08:05:50
2	K 766.490 Rt	278.7	-31.4	-0.011989	mg/L	-0.011989	mg/L	08:05:50
2	Li 670.784 Rt	161.2	55.6	0.000596	mg/L	0.000596	mg/L	08:05:50
2	Mg 279.077 Rt	131219.3	130485.0	249.564	mg/L	249.564	mg/L	08:05:40
2	Mn 260.568 Rt	6869.6	6810.6	0.481652	mg/L	0.481652	mg/L	08:06:10
2	Na 589.592 Rt	6498.1	6381.7	0.809231	mg/L	0.809231	mg/L	08:05:50
2	Si 251.611 Rt	87.8	42.0	0.030271	mg/L	0.030271	mg/L	08:06:10
2	SIO2 251.611 Rt	87.8	42.0	0.064780	mg/L	0.064780	mg/L	08:06:10
2	Sr 421.552 Rt	76349.7	75733.2	0.093520	mg/L	0.093520	mg/L	08:05:50
2	Lu 261.542 A	2222680.0	2222680.0	91.6796	%			08:07:06
2	Ag 328.068 At	27289.2	30118.3	0.215243	mg/L	0.215243	mg/L	08:07:17
2	As 188.979 At	75.3	90.7	0.100560	mg/L	0.100560	mg/L	08:07:37
2	Ba 233.527 At	19506.6	21330.7	0.489619	mg/L	0.489619	mg/L	08:07:17
2	Bi 222.821 At	103.5	78.6	-0.001284	mg/L	-0.001284	mg/L	08:07:37
2	Cd 226.502 At	30632.5	33469.5	0.944250	mg/L	0.944250	mg/L	08:07:17
2	Co 228.616 At	7927.6	8733.9	0.474964	mg/L	0.474964	mg/L	08:07:17
2	Cr 267.716 At	19379.3	20975.0	0.530791	mg/L	0.530791	mg/L	08:07:17
2	Cu 324.752 At	98897.5	105313.3	0.586065	mg/L	0.586065	mg/L	08:07:06

2	Ga 417.206 At	3597.4	3999.2	0.027147 mg/L	0.027147 mg/L	08:07:17
2	La 379.478 At	3867.5	4683.5	0.023756 mg/L	0.023756 mg/L	08:07:17
2	Mo 202.031 At	87.3	65.0	0.006322 mg/L	0.006322 mg/L	08:07:37
2	Ni 232.003 At	9412.2	10352.1	1.06285 mg/L	1.06285 mg/L	08:07:17
2	P 213.617 At	-33.4	30.0	0.035222 mg/L	0.035222 mg/L	08:07:37
2	Pb 220.353 At	227.8	206.2	0.057050 mg/L	0.057050 mg/L	08:07:37
2	Sb 206.836 At	954.5	1051.5	0.594319 mg/L	0.594319 mg/L	08:07:37
2	Sc 361.383 At	-612.9	-675.0	-0.000575 mg/L	-0.000575 mg/L	08:07:17
2	Se 196.026 At	10.1	36.7	0.067239 mg/L	0.067239 mg/L	08:07:37
2	Sn 189.927 At	-63.4	-41.0	-0.015557 mg/L	-0.015557 mg/L	08:07:37
2	Ti 336.121 At	78.7	517.6	-0.005284 mg/L	-0.005284 mg/L	08:07:17
2	Tl 190.801 At	56.1	69.3	0.091673 mg/L	0.091673 mg/L	08:07:37
2	V 292.402 At	38913.0	42741.7	0.503354 mg/L	0.503354 mg/L	08:07:17
2	Zn 206.200 At	8757.0	9527.0	0.952643 mg/L	0.952643 mg/L	08:07:17

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	173693.3	100.085	%	0.6728				0.67%
Lu 261.542 A	2229599.3	91.9650	%	0.40362				0.44%
Ag 328.068 At	30022.0	0.214557	mg/L	0.0009713	0.214557	mg/L	0.0009713	0.45%
QC value within limits for Ag 328.068 A Recovery = 104.15%								
Al 308.215 Rt	235701.6	242.073	mg/L	0.1535	242.073	mg/L	0.1535	0.06%
QC value within limits for Al 308.215 R Recovery = 100.40%								
As 188.979 At	88.8	0.098497	mg/L	0.0029189	0.098497	mg/L	0.0029189	2.96%
QC value within limits for As 188.979 A Recovery = 97.52%								
B 249.677 Rt	5.2	0.002606	mg/L	0.0011096	0.002606	mg/L	0.0011096	42.58%
Ba 233.527 At	21299.2	0.488897	mg/L	0.0010215	0.488897	mg/L	0.0010215	0.21%
QC value within limits for Ba 233.527 A Recovery = 98.77%								
Be 313.107 Rt	69013.2	0.482459	mg/L	0.0005060	0.482459	mg/L	0.0005060	0.10%
QC value within limits for Be 313.107 R Recovery = 101.57%								
Bi 222.821 At	76.9	-0.002530	mg/L	0.0017623	-0.002530	mg/L	0.0017623	69.67%
Ca 315.887 Rt	871665.5	235.586	mg/L	0.0715	235.586	mg/L	0.0715	0.03%
QC value within limits for Ca 315.887 R Recovery = 101.94%								
Cd 226.502 At	33384.2	0.941873	mg/L	0.0033611	0.941873	mg/L	0.0033611	0.36%
QC value within limits for Cd 226.502 A Recovery = 100.20%								
Co 228.616 At	8692.3	0.472700	mg/L	0.0032024	0.472700	mg/L	0.0032024	0.68%
QC value within limits for Co 228.616 A Recovery = 102.54%								
Cr 267.716 At	20918.0	0.529346	mg/L	0.0020447	0.529346	mg/L	0.0020447	0.39%
QC value within limits for Cr 267.716 A Recovery = 103.59%								
Cu 324.752 At	105517.8	0.587204	mg/L	0.0016094	0.587204	mg/L	0.0016094	0.27%
QC value within limits for Cu 324.752 A Recovery = 107.15%								
Fe 273.955 Rt	81523.4	91.4392	mg/L	0.48602	91.4392	mg/L	0.48602	0.53%
QC value within limits for Fe 273.955 R Recovery = 96.45%								
Ga 417.206 At	3955.4	0.026698	mg/L	0.0006345	0.026698	mg/L	0.0006345	2.38%
K 766.490 Rt	-24.6	-0.009408	mg/L	0.0036499	-0.009408	mg/L	0.0036499	38.80%
La 379.478 At	4700.0	0.023839	mg/L	0.0001181	0.023839	mg/L	0.0001181	0.50%
Li 670.784 Rt	42.1	0.000452	mg/L	0.0002039	0.000452	mg/L	0.0002039	45.11%
Mg 279.077 Rt	130537.3	249.664	mg/L	0.1415	249.664	mg/L	0.1415	0.06%
QC value within limits for Mg 279.077 R Recovery = 99.43%								
Mn 260.568 Rt	6823.4	0.482602	mg/L	0.0013443	0.482602	mg/L	0.0013443	0.28%
QC value within limits for Mn 260.568 R Recovery = 96.14%								
Mo 202.031 At	63.2	0.006097	mg/L	0.0003178	0.006097	mg/L	0.0003178	5.21%
Na 589.592 Rt	6355.1	0.805850	mg/L	0.0047821	0.805850	mg/L	0.0047821	0.59%
Ni 232.003 At	10324.7	1.05995	mg/L	0.004099	1.05995	mg/L	0.004099	0.39%
QC value within limits for Ni 232.003 A Recovery = 107.72%								
P 213.617 At	31.0	0.035629	mg/L	0.0005757	0.035629	mg/L	0.0005757	1.62%
Pb 220.353 At	201.2	0.055766	mg/L	0.0018149	0.055766	mg/L	0.0018149	3.25%
QC value within limits for Pb 220.353 A Recovery = 91.42%								
Sb 206.836 At	1043.6	0.589799	mg/L	0.0063931	0.589799	mg/L	0.0063931	1.08%
QC value within limits for Sb 206.836 A Recovery = 100.14%								
Sc 361.383 At	-656.7	-0.000560	mg/L	0.0000221	-0.000560	mg/L	0.0000221	3.94%
Se 196.026 At	35.2	0.063833	mg/L	0.0048159	0.063833	mg/L	0.0048159	7.54%
QC value within limits for Se 196.026 A Recovery = 120.44%								
Si 251.611 Rt	46.8	0.033759	mg/L	0.0049320	0.033759	mg/L	0.0049320	14.61%
SIO2 251.611 Rt	46.8	0.072243	mg/L	0.0105545	0.072243	mg/L	0.0105545	14.61%
Sn 189.927 At	-40.3	-0.015322	mg/L	0.0003325	-0.015322	mg/L	0.0003325	2.17%
Sr 421.552 Rt	75320.0	0.093010	mg/L	0.0007217	0.093010	mg/L	0.0007217	0.78%
Ti 336.121 At	512.6	-0.005304	mg/L	0.0000278	-0.005304	mg/L	0.0000278	0.52%
Tl 190.801 At	69.1	0.091393	mg/L	0.0003964	0.091393	mg/L	0.0003964	0.43%
QC value within limits for Tl 190.801 A Recovery = 88.73%								

V 292.402 At	42623.9	0.501972	mg/L	0.0019546	0.501972	mg/L	0.0019546	0.39%
QC value within limits for V 292.402 A Recovery = 101.61%								
Zn 206.200 At	9504.5	0.950390	mg/L	0.0031851	0.950390	mg/L	0.0031851	0.34%
QC value within limits for Zn 206.200 A Recovery = 92.45%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 8:09:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	180914.0	180914.0	104.245	%			08:11:12
1	Al 308.215 Rt	2116.2	1977.2	1.97415	mg/L	1.97415	mg/L	08:11:32
1	B 249.677 Rt	3889.0	3723.3	1.93755	mg/L	1.93755	mg/L	08:11:32
1	Be 313.107 Rt	293741.0	281678.7	1.96898	mg/L	1.96898	mg/L	08:11:12
1	Ca 315.887 Rt	76801.1	73729.4	19.9269	mg/L	19.9269	mg/L	08:11:12
1	Fe 273.955 Rt	9119.6	8729.6	9.78565	mg/L	9.78565	mg/L	08:11:32
1	K 766.490 Rt	53356.6	50875.1	19.4533	mg/L	19.4533	mg/L	08:11:12
1	Li 670.784 Rt	108.6	-0.5	-0.000005	mg/L	-0.000005	mg/L	08:11:32
1	Mg 279.077 Rt	10803.1	10360.3	19.8149	mg/L	19.8149	mg/L	08:11:32
1	Mn 260.568 Rt	27396.3	26259.9	1.90862	mg/L	1.90862	mg/L	08:11:32
1	Na 589.592 Rt	166750.3	159879.3	20.2734	mg/L	20.2734	mg/L	08:11:12
1	Si 251.611 Rt	1601.1	1490.6	1.02434	mg/L	1.02434	mg/L	08:11:32
1	SIO2 251.611 Rt	1601.1	1490.6	2.19208	mg/L	2.19208	mg/L	08:11:32
1	Sr 421.552 Rt	974.8	744.2	0.000919	mg/L	0.000919	mg/L	08:11:32
1	Lu 261.542 A	2451866.1	2451866.1	101.133	%			08:12:19
1	Ag 328.068 At	281954.0	279148.0	1.95728	mg/L	1.95728	mg/L	08:12:19
1	As 188.979 At	1753.8	1742.7	1.96054	mg/L	1.96054	mg/L	08:12:50
1	Ba 233.527 At	85224.2	84323.4	1.93554	mg/L	1.93554	mg/L	08:12:29
1	Bi 222.821 At	90.9	55.6	0.011650	mg/L	0.011650	mg/L	08:12:29
1	Cd 226.502 At	67949.1	67244.8	1.94226	mg/L	1.94226	mg/L	08:12:29
1	Co 228.616 At	36304.1	35984.3	1.95225	mg/L	1.95225	mg/L	08:12:29
1	Cr 267.716 At	78157.4	77118.8	1.95734	mg/L	1.95734	mg/L	08:12:29
1	Cu 324.752 At	362534.5	355913.7	1.98058	mg/L	1.98058	mg/L	08:12:19
1	Ga 417.206 At	856.0	921.8	0.001069	mg/L	0.001069	mg/L	08:12:29
1	La 379.478 At	950.3	1404.7	0.007125	mg/L	0.007125	mg/L	08:12:29
1	Mo 202.031 At	16749.1	16531.3	2.00323	mg/L	2.00323	mg/L	08:12:29
1	Ni 232.003 At	21079.8	20929.4	1.94511	mg/L	1.94511	mg/L	08:12:29
1	P 213.617 At	-20.2	46.5	-0.003016	mg/L	-0.003016	mg/L	08:12:29
1	Pb 220.353 At	7877.7	7747.1	1.98641	mg/L	1.98641	mg/L	08:12:29
1	Sb 206.836 At	3486.4	3457.8	1.96740	mg/L	1.96740	mg/L	08:12:50
1	Sc 361.383 At	-257.4	-261.0	-0.000222	mg/L	-0.000222	mg/L	08:12:29
1	Se 196.026 At	907.3	922.8	1.99076	mg/L	1.99076	mg/L	08:12:50
1	Sn 189.927 At	-35.0	-6.4	-0.002425	mg/L	-0.002425	mg/L	08:12:50
1	Ti 336.121 At	547979.8	542273.0	1.97844	mg/L	1.97844	mg/L	08:12:19
1	Tl 190.801 At	1571.0	1561.5	1.93945	mg/L	1.93945	mg/L	08:12:50
1	V 292.402 At	164871.3	163321.6	1.95874	mg/L	1.95874	mg/L	08:12:29
1	Zn 206.200 At	19698.8	19453.4	1.93910	mg/L	1.93910	mg/L	08:12:29
2	Lu 261.542 R	180739.0	180739.0	104.145	%			08:11:44
2	Al 308.215 Rt	2103.4	1966.9	1.96370	mg/L	1.96370	mg/L	08:12:04
2	B 249.677 Rt	3886.1	3724.2	1.93801	mg/L	1.93801	mg/L	08:12:04
2	Be 313.107 Rt	292955.7	281197.5	1.96561	mg/L	1.96561	mg/L	08:11:44
2	Ca 315.887 Rt	76674.6	73679.2	19.9133	mg/L	19.9133	mg/L	08:11:44
2	Fe 273.955 Rt	9118.4	8736.9	9.79384	mg/L	9.79384	mg/L	08:12:04
2	K 766.490 Rt	53461.1	51025.1	19.5107	mg/L	19.5107	mg/L	08:11:44
2	Li 670.784 Rt	138.4	28.2	0.000303	mg/L	0.000303	mg/L	08:12:04
2	Mg 279.077 Rt	10778.7	10346.8	19.7892	mg/L	19.7892	mg/L	08:12:04
2	Mn 260.568 Rt	27352.3	26243.1	1.90740	mg/L	1.90740	mg/L	08:12:04
2	Na 589.592 Rt	166513.0	159806.4	20.2641	mg/L	20.2641	mg/L	08:11:44
2	Si 251.611 Rt	1599.3	1490.4	1.02423	mg/L	1.02423	mg/L	08:12:04
2	SIO2 251.611 Rt	1599.3	1490.4	2.19184	mg/L	2.19184	mg/L	08:12:04
2	Sr 421.552 Rt	984.8	754.7	0.000932	mg/L	0.000932	mg/L	08:12:04
2	Lu 261.542 A	2441732.3	2441732.3	100.715	%			08:13:02
2	Ag 328.068 At	281098.7	279455.9	1.95945	mg/L	1.95945	mg/L	08:13:02
2	As 188.979 At	1743.7	1739.9	1.95732	mg/L	1.95732	mg/L	08:13:33
2	Ba 233.527 At	84497.6	83951.7	1.92700	mg/L	1.92700	mg/L	08:13:13
2	Bi 222.821 At	86.5	51.6	0.007977	mg/L	0.007977	mg/L	08:13:13
2	Cd 226.502 At	67490.3	67068.1	1.93715	mg/L	1.93715	mg/L	08:13:13
2	Co 228.616 At	36115.7	35946.2	1.95018	mg/L	1.95018	mg/L	08:13:13
2	Cr 267.716 At	77744.3	77029.4	1.95507	mg/L	1.95507	mg/L	08:13:13
2	Cu 324.752 At	361023.7	355901.4	1.98051	mg/L	1.98051	mg/L	08:13:02

Method: ILMO5 OPT5 Page 22 Date: 5/20/2009 8:13:35 AM

2	Ga 417.206 At	816.5	886.0	0.000649 mg/L	0.000649 mg/L	08:13:13
2	La 379.478 At	916.5	1375.0	0.006974 mg/L	0.006974 mg/L	08:13:13
2	Mo 202.031 At	16648.9	16500.6	1.99950 mg/L	1.99950 mg/L	08:13:13
2	Ni 232.003 At	20935.3	20872.3	1.93975 mg/L	1.93975 mg/L	08:13:13
2	P 213.617 At	-17.1	49.5	-0.001312 mg/L	-0.001312 mg/L	08:13:13
2	Pb 220.353 At	7841.9	7744.0	1.98559 mg/L	1.98559 mg/L	08:13:13
2	Sb 206.836 At	3484.1	3469.8	1.97423 mg/L	1.97423 mg/L	08:13:33
2	Sc 361.383 At	-264.8	-269.5	-0.000230 mg/L	-0.000230 mg/L	08:13:13
2	Se 196.026 At	902.2	921.5	1.98799 mg/L	1.98799 mg/L	08:13:33
2	Sn 189.927 At	-39.3	-10.9	-0.004130 mg/L	-0.004130 mg/L	08:13:33
2	Ti 336.121 At	544849.4	541413.7	1.97531 mg/L	1.97531 mg/L	08:13:02
2	Tl 190.801 At	1569.1	1566.1	1.94519 mg/L	1.94519 mg/L	08:13:33
2	V 292.402 At	163830.0	162964.2	1.95446 mg/L	1.95446 mg/L	08:13:13
2	Zn 206.200 At	19557.7	19394.1	1.93318 mg/L	1.93318 mg/L	08:13:13

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	180826.5	104.195	%	0.0713				0.07%
Lu 261.542 A	2446799.2	100.924	%	0.2956				0.29%
Ag 328.068 At	279301.9	1.95836	mg/L	0.001536	1.95836	mg/L	0.001536	0.08%
QC value within limits for Ag 328.068 A Recovery = 97.92%								
Al 308.215 Rt	1972.1	1.96892	mg/L	0.007392	1.96892	mg/L	0.007392	0.38%
QC value within limits for Al 308.215 R Recovery = 98.45%								
As 188.979 At	1741.3	1.95893	mg/L	0.002279	1.95893	mg/L	0.002279	0.12%
QC value within limits for As 188.979 A Recovery = 97.95%								
B 249.677 Rt	3723.8	1.93778	mg/L	0.000326	1.93778	mg/L	0.000326	0.02%
Ba 233.527 At	84137.5	1.93127	mg/L	0.006033	1.93127	mg/L	0.006033	0.31%
QC value within limits for Ba 233.527 A Recovery = 96.56%								
Be 313.107 Rt	281438.1	1.96729	mg/L	0.002378	1.96729	mg/L	0.002378	0.12%
QC value within limits for Be 313.107 R Recovery = 98.36%								
Bi 222.821 At	53.6	0.009813	mg/L	0.0025973	0.009813	mg/L	0.0025973	26.47%
Ca 315.887 Rt	73704.3	19.9201	mg/L	0.00960	19.9201	mg/L	0.00960	0.05%
QC value within limits for Ca 315.887 R Recovery = 99.60%								
Cd 226.502 At	67156.5	1.93971	mg/L	0.003616	1.93971	mg/L	0.003616	0.19%
QC value within limits for Cd 226.502 A Recovery = 96.99%								
Co 228.616 At	35965.3	1.95121	mg/L	0.001461	1.95121	mg/L	0.001461	0.07%
QC value within limits for Co 228.616 A Recovery = 97.56%								
Cr 267.716 At	77074.1	1.95620	mg/L	0.001605	1.95620	mg/L	0.001605	0.08%
QC value within limits for Cr 267.716 A Recovery = 97.81%								
Cu 324.752 At	355907.6	1.98054	mg/L	0.000048	1.98054	mg/L	0.000048	0.00%
QC value within limits for Cu 324.752 A Recovery = 99.03%								
Fe 273.955 Rt	8733.3	9.78974	mg/L	0.005794	9.78974	mg/L	0.005794	0.06%
QC value within limits for Fe 273.955 R Recovery = 97.90%								
Ga 417.206 At	903.9	0.000859	mg/L	0.0002971	0.000859	mg/L	0.0002971	34.58%
K 766.490 Rt	50950.1	19.4820	mg/L	0.04054	19.4820	mg/L	0.04054	0.21%
QC value within limits for K 766.490 R Recovery = 97.41%								
La 379.478 At	1389.8	0.007049	mg/L	0.0001064	0.007049	mg/L	0.0001064	1.51%
Li 670.784 Rt	13.9	0.000149	mg/L	0.0002180	0.000149	mg/L	0.0002180	146.60%
Mg 279.077 Rt	10353.5	19.8021	mg/L	0.01819	19.8021	mg/L	0.01819	0.09%
QC value within limits for Mg 279.077 R Recovery = 99.01%								
Mn 260.568 Rt	26251.5	1.90801	mg/L	0.000863	1.90801	mg/L	0.000863	0.05%
QC value within limits for Mn 260.568 R Recovery = 95.40%								
Mo 202.031 At	16515.9	2.00137	mg/L	0.002634	2.00137	mg/L	0.002634	0.13%
Na 589.592 Rt	159842.8	20.2687	mg/L	0.00654	20.2687	mg/L	0.00654	0.03%
QC value within limits for Na 589.592 R Recovery = 101.34%								
Ni 232.003 At	20900.9	1.94243	mg/L	0.003790	1.94243	mg/L	0.003790	0.20%
QC value within limits for Ni 232.003 A Recovery = 97.12%								
P 213.617 At	48.0	-0.002164	mg/L	0.0012048	-0.002164	mg/L	0.0012048	55.67%
Pb 220.353 At	7745.6	1.98600	mg/L	0.000578	1.98600	mg/L	0.000578	0.03%
QC value within limits for Pb 220.353 A Recovery = 99.30%								
Sb 206.836 At	3463.8	1.97081	mg/L	0.004832	1.97081	mg/L	0.004832	0.25%
QC value within limits for Sb 206.836 A Recovery = 98.54%								
Sc 361.383 At	-265.3	-0.000226	mg/L	0.0000051	-0.000226	mg/L	0.0000051	2.25%
Se 196.026 At	922.1	1.98937	mg/L	0.001957	1.98937	mg/L	0.001957	0.10%
QC value within limits for Se 196.026 A Recovery = 99.47%								
Si 251.611 Rt	1490.5	1.02428	mg/L	0.000079	1.02428	mg/L	0.000079	0.01%
SIO2 251.611 Rt	1490.5	2.19196	mg/L	0.000169	2.19196	mg/L	0.000169	0.01%
Sn 189.927 At	-8.6	-0.003277	mg/L	0.0012053	-0.003277	mg/L	0.0012053	36.77%
Sr 421.552 Rt	749.4	0.000925	mg/L	0.0000092	0.000925	mg/L	0.0000092	0.99%
Ti 336.121 At	541843.4	1.97688	mg/L	0.002217	1.97688	mg/L	0.002217	0.11%

Tl 190.801 A†	1563.8	1.94232 mg/L	0.004059	1.94232 mg/L	0.004059	0.21%
QC value within limits for Tl 190.801 A Recovery = 97.12%						
V 292.402 A†	163142.9	1.95660 mg/L	0.003026	1.95660 mg/L	0.003026	0.15%
QC value within limits for V 292.402 A Recovery = 97.83%						
Zn 206.200 A†	19423.8	1.93614 mg/L	0.004189	1.93614 mg/L	0.004189	0.22%
QC value within limits for Zn 206.200 A Recovery = 96.81%						

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 8:15:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	178528.7	178528.7	102.871	%			08:17:07
1	Al 308.215 Rt	61.8	7.2	0.007432	mg/L	0.007432	mg/L	08:17:27
1	B 249.677 Rt	14.6	6.9	0.003589	mg/L	0.003589	mg/L	08:17:27
1	Be 313.107 Rt	104.2	1.5	0.000011	mg/L	0.000011	mg/L	08:17:27
1	Ca 315.887 Rt	-65.3	-7.6	-0.002048	mg/L	-0.002048	mg/L	08:17:27
1	Fe 273.955 Rt	13.5	-5.5	-0.006166	mg/L	-0.006166	mg/L	08:17:27
1	K 766.490 Rt	298.4	-18.4	-0.007053	mg/L	-0.007053	mg/L	08:17:07
1	Li 670.784 Rt	78.6	-28.3	-0.000303	mg/L	-0.000303	mg/L	08:17:07
1	Mg 279.077 Rt	9.1	5.9	0.011297	mg/L	0.011297	mg/L	08:17:27
1	Mn 260.568 Rt	14.5	-6.6	-0.000479	mg/L	-0.000479	mg/L	08:17:27
1	Na 589.592 Rt	81.1	-1.3	-0.000165	mg/L	-0.000165	mg/L	08:17:07
1	Si 251.611 Rt	46.4	-0.2	-0.000164	mg/L	-0.000164	mg/L	08:17:27
1	SIO2 251.611 Rt	46.4	-0.2	-0.000351	mg/L	-0.000351	mg/L	08:17:27
1	Sr 421.552 Rt	170.7	-25.0	-0.000031	mg/L	-0.000031	mg/L	08:17:07
1	Lu 261.542 A	2465652.8	2465652.8	101.702	%			08:18:11
1	Ag 328.068 At	-322.6	35.2	0.000247	mg/L	0.000247	mg/L	08:18:21
1	As 188.979 At	-8.9	-0.2	-0.000193	mg/L	-0.000193	mg/L	08:18:42
1	Ba 233.527 At	-52.5	2.2	0.000051	mg/L	0.000051	mg/L	08:18:42
1	Bi 222.821 At	37.5	2.6	0.002407	mg/L	0.002407	mg/L	08:18:42
1	Cd 226.502 At	-51.7	6.1	0.000178	mg/L	0.000178	mg/L	08:18:42
1	Co 228.616 At	-86.7	1.6	0.000089	mg/L	0.000089	mg/L	08:18:42
1	Cr 267.716 At	161.8	-4.0	-0.000100	mg/L	-0.000100	mg/L	08:18:42
1	Cu 324.752 At	2666.3	62.0	0.000345	mg/L	0.000345	mg/L	08:18:21
1	Ga 417.206 At	-98.3	-21.3	-0.000255	mg/L	-0.000255	mg/L	08:18:21
1	La 379.478 At	-452.9	19.7	0.000100	mg/L	0.000100	mg/L	08:18:21
1	Mo 202.031 At	40.7	9.9	0.001196	mg/L	0.001196	mg/L	08:18:42
1	Ni 232.003 At	-85.0	2.1	0.000189	mg/L	0.000189	mg/L	08:18:42
1	P 213.617 At	-65.0	2.6	0.001476	mg/L	0.001476	mg/L	08:18:42
1	Pb 220.353 At	39.4	-3.5	-0.000906	mg/L	-0.000906	mg/L	08:18:42
1	Sb 206.836 At	-9.6	1.0	0.000549	mg/L	0.000549	mg/L	08:18:42
1	Sc 361.383 At	12.5	5.8	0.000005	mg/L	0.000005	mg/L	08:18:21
1	Se 196.026 At	-25.6	0.5	0.000991	mg/L	0.000991	mg/L	08:18:42
1	Sn 189.927 At	-28.1	0.6	0.000225	mg/L	0.000225	mg/L	08:18:42
1	Ti 336.121 At	-415.1	23.5	0.000086	mg/L	0.000086	mg/L	08:18:21
1	Tl 190.801 At	-6.2	2.0	0.002473	mg/L	0.002473	mg/L	08:18:42
1	V 292.402 At	-318.9	-16.4	-0.000186	mg/L	-0.000186	mg/L	08:18:21
1	Zn 206.200 At	17.2	-7.9	-0.000793	mg/L	-0.000793	mg/L	08:18:42
2	Lu 261.542 R	177448.8	177448.8	102.249	%			08:17:38
2	Al 308.215 Rt	51.4	-2.5	-0.002579	mg/L	-0.002579	mg/L	08:17:58
2	B 249.677 Rt	9.2	1.7	0.000895	mg/L	0.000895	mg/L	08:17:58
2	Be 313.107 Rt	107.4	5.3	0.000037	mg/L	0.000037	mg/L	08:17:58
2	Ca 315.887 Rt	-62.3	-5.0	-0.001352	mg/L	-0.001352	mg/L	08:17:58
2	Fe 273.955 Rt	13.0	-5.9	-0.006638	mg/L	-0.006638	mg/L	08:17:58
2	K 766.490 Rt	308.4	-6.9	-0.002638	mg/L	-0.002638	mg/L	08:17:38
2	Li 670.784 Rt	89.0	-17.6	-0.000189	mg/L	-0.000189	mg/L	08:17:38
2	Mg 279.077 Rt	10.2	7.0	0.013475	mg/L	0.013475	mg/L	08:17:58
2	Mn 260.568 Rt	12.8	-8.2	-0.000598	mg/L	-0.000598	mg/L	08:17:58
2	Na 589.592 Rt	88.5	6.4	0.000812	mg/L	0.000812	mg/L	08:17:38
2	Si 251.611 Rt	46.1	-0.2	-0.000135	mg/L	-0.000135	mg/L	08:17:58
2	SIO2 251.611 Rt	46.1	-0.2	-0.000290	mg/L	-0.000290	mg/L	08:17:58
2	Sr 421.552 Rt	154.6	-39.7	-0.000049	mg/L	-0.000049	mg/L	08:17:38
2	Lu 261.542 A	2465970.2	2465970.2	101.715	%			08:18:53
2	Ag 328.068 At	-317.4	40.4	0.000275	mg/L	0.000275	mg/L	08:19:03
2	As 188.979 At	-5.4	3.3	0.003672	mg/L	0.003672	mg/L	08:19:23
2	Ba 233.527 At	-57.8	-3.0	-0.000069	mg/L	-0.000069	mg/L	08:19:23
2	Bi 222.821 At	34.8	-0.1	-0.000119	mg/L	-0.000119	mg/L	08:19:23
2	Cd 226.502 At	-46.6	11.1	0.000323	mg/L	0.000323	mg/L	08:19:23
2	Co 228.616 At	-87.9	0.5	0.000027	mg/L	0.000027	mg/L	08:19:23
2	Cr 267.716 At	166.1	0.3	0.000007	mg/L	0.000007	mg/L	08:19:23
2	Cu 324.752 At	2718.5	113.0	0.000629	mg/L	0.000629	mg/L	08:19:03

Method: ILMO5 OPT5 Page 25 Date: 5/20/2009 8:19:26 AM

2	Ga 417.206 At	-101.3	-24.3	-0.000291 mg/L	-0.000291 mg/L	08:19:03
2	La 379.478 At	-447.9	24.7	0.000125 mg/L	0.000125 mg/L	08:19:03
2	Mo 202.031 At	36.9	6.1	0.000744 mg/L	0.000744 mg/L	08:19:23
2	Ni 232.003 At	-77.9	9.1	0.000858 mg/L	0.000858 mg/L	08:19:23
2	P 213.617 At	-65.8	1.8	0.001029 mg/L	0.001029 mg/L	08:19:23
2	Pb 220.353 At	35.2	-7.7	-0.001985 mg/L	-0.001985 mg/L	08:19:23
2	Sb 206.836 At	-10.9	-0.4	-0.000203 mg/L	-0.000203 mg/L	08:19:23
2	Sc 361.383 At	4.8	-1.9	-0.000002 mg/L	-0.000002 mg/L	08:19:03
2	Se 196.026 At	-24.0	2.1	0.004453 mg/L	0.004453 mg/L	08:19:23
2	Sn 189.927 At	-27.1	1.6	0.000596 mg/L	0.000596 mg/L	08:19:23
2	Ti 336.121 At	-427.7	11.2	0.000041 mg/L	0.000041 mg/L	08:19:03
2	Tl 190.801 At	-10.1	-1.8	-0.002274 mg/L	-0.002274 mg/L	08:19:23
2	V 292.402 At	-323.6	-21.1	-0.000245 mg/L	-0.000245 mg/L	08:19:03
2	Zn 206.200 At	17.5	-7.5	-0.000753 mg/L	-0.000753 mg/L	08:19:23

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	177988.7	102.560	%	0.4400				0.43%
Lu 261.542 A	2465811.5	101.708	%	0.0093				0.01%
Ag 328.068 At	37.8	0.000261	mg/L	0.0000197	0.000261	mg/L	0.0000197	7.54%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	2.4	0.002426	mg/L	0.0070784	0.002426	mg/L	0.0070784	291.73%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	1.5	0.001739	mg/L	0.0027330	0.001739	mg/L	0.0027330	157.12%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	4.3	0.002242	mg/L	0.0019050	0.002242	mg/L	0.0019050	84.96%
Ba 233.527 At	-0.4	-0.000009	mg/L	0.0000847	-0.000009	mg/L	0.0000847	914.86%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	3.4	0.000024	mg/L	0.0000189	0.000024	mg/L	0.0000189	79.07%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	1.2	0.001144	mg/L	0.0017861	0.001144	mg/L	0.0017861	156.13%
Ca 315.887 Rt	-6.3	-0.001700	mg/L	0.0004924	-0.001700	mg/L	0.0004924	28.97%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	8.6	0.000250	mg/L	0.0001025	0.000250	mg/L	0.0001025	40.95%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	1.1	0.000058	mg/L	0.0000439	0.000058	mg/L	0.0000439	75.80%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-1.8	-0.000047	mg/L	0.0000761	-0.000047	mg/L	0.0000761	163.51%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	87.5	0.000487	mg/L	0.0002009	0.000487	mg/L	0.0002009	41.26%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-5.7	-0.006402	mg/L	0.0003335	-0.006402	mg/L	0.0003335	5.21%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-22.8	-0.000273	mg/L	0.0000254	-0.000273	mg/L	0.0000254	9.31%
K 766.490 Rt	-12.7	-0.004846	mg/L	0.0031214	-0.004846	mg/L	0.0031214	64.42%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	22.2	0.000113	mg/L	0.0000180	0.000113	mg/L	0.0000180	15.98%
Li 670.784 Rt	-23.0	-0.000246	mg/L	0.0000808	-0.000246	mg/L	0.0000808	32.80%
Mg 279.077 Rt	6.5	0.012386	mg/L	0.0015399	0.012386	mg/L	0.0015399	12.43%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-7.4	-0.000538	mg/L	0.0000845	-0.000538	mg/L	0.0000845	15.70%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	8.0	0.000970	mg/L	0.0003198	0.000970	mg/L	0.0003198	32.98%
Na 589.592 Rt	2.6	0.000323	mg/L	0.0006905	0.000323	mg/L	0.0006905	213.54%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	5.6	0.000524	mg/L	0.0004733	0.000524	mg/L	0.0004733	90.40%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	2.2	0.001252	mg/L	0.0003156	0.001252	mg/L	0.0003156	25.20%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	-5.6	-0.001446	mg/L	0.0007624	-0.001446	mg/L	0.0007624	52.74%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	0.3	0.000173	mg/L	0.0005315	0.000173	mg/L	0.0005315	307.20%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	1.9	0.000002	mg/L	0.0000046	0.000002	mg/L	0.0000046	276.20%
Se 196.026 At	1.3	0.002722	mg/L	0.0024481	0.002722	mg/L	0.0024481	89.94%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-0.2	-0.000150	mg/L	0.0000203	-0.000150	mg/L	0.0000203	13.56%
SIO2 251.611 Rt	-0.2	-0.000320	mg/L	0.0000435	-0.000320	mg/L	0.0000435	13.56%
Sn 189.927 At	1.1	0.000410	mg/L	0.0002626	0.000410	mg/L	0.0002626	64.00%
Sr 421.552 Rt	-32.4	-0.000040	mg/L	0.0000128	-0.000040	mg/L	0.0000128	32.11%

Ti 336.121 At	17.4	0.000063	mg/L	0.0000318	0.000063	mg/L	0.0000318 50.31%
Tl 190.801 At	0.1	0.000100	mg/L	0.0033565	0.000100	mg/L	0.0033565 >999.9%
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	-18.7	-0.000216	mg/L	0.0000413	-0.000216	mg/L	0.0000413 19.17%
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	-7.7	-0.000773	mg/L	0.0000284	-0.000773	mg/L	0.0000284 3.68%
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 1 Date: 5/20/2009 8:43:31 AM

Analysis Begun

Start Time: 5/20/2009 8:36:21 AM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902
Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ILMO5 OPT5
IEC File: ILMO5.iec
Method Description:
Method Last Saved: 4/14/2009 2:25:07 PM
MSF File:

Sequence No.: 1
Sample ID: ~~PBS~~ ZZZZZZ KD 05/26/09 05/26/2009
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 38
Date Collected: 5/20/2009 8:36:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ~~PBS~~ ZZZZZZ KD 05/26/2009

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	290266.7	290266.7	167.256	%			08:41:12
1	Al 308.215 Rt	4.3	-50.2	-0.051614	mg/L	-0.051614	mg/L	08:41:32
1	B 249.677 Rt	1.0	-6.7	-0.003478	mg/L	-0.003478	mg/L	08:41:32
1	Be 313.107 Rt	104.0	-37.6	-0.000263	mg/L	-0.000263	mg/L	08:41:32
1	Ca 315.887 Rt	-27.6	39.4	0.010651	mg/L	0.010651	mg/L	08:41:32
1	Fe 273.955 Rt	0.5	-18.3	-0.020535	mg/L	-0.020535	mg/L	08:41:32
1	K 766.490 Rt	385.2	-78.2	-0.029913	mg/L	-0.029913	mg/L	08:41:12
1	Li 670.784 Rt	37.0	-82.6	-0.000886	mg/L	-0.000886	mg/L	08:41:12
1	Mg 279.077 Rt	0.4	-2.7	-0.005076	mg/L	-0.005076	mg/L	08:41:32
1	Mn 260.568 Rt	-4.0	-23.1	-0.001679	mg/L	-0.001679	mg/L	08:41:32
1	Na 589.592 Rt	56.0	-46.6	-0.005913	mg/L	-0.005913	mg/L	08:41:12
1	Si 251.611 Rt	32.5	-25.9	-0.018710	mg/L	-0.018710	mg/L	08:41:32
1	SIO2 251.611 Rt	32.5	-25.9	-0.040040	mg/L	-0.040040	mg/L	08:41:32
1	Sr 421.552 Rt	143.2	-105.4	-0.000130	mg/L	-0.000130	mg/L	08:41:12
1	Lu 261.542 A	4775081.1	4775081.1	196.959	%			08:42:17
1	Ag 328.068 At	-632.3	31.4	0.000206	mg/L	0.000206	mg/L	08:42:27
1	As 188.979 At	-5.2	5.9	0.006675	mg/L	0.006675	mg/L	08:42:47
1	Ba 233.527 At	-58.8	24.0	0.000550	mg/L	0.000550	mg/L	08:42:47
1	Bi 222.821 At	42.7	-12.6	-0.011726	mg/L	-0.011726	mg/L	08:42:47
1	Cd 226.502 At	-59.4	26.8	0.000780	mg/L	0.000780	mg/L	08:42:47
1	Co 228.616 At	-96.2	38.1	0.002069	mg/L	0.002069	mg/L	08:42:47
1	Cr 267.716 At	194.3	-64.4	-0.001635	mg/L	-0.001635	mg/L	08:42:47
1	Cu 324.752 At	1265.9	-1917.0	-0.010668	mg/L	-0.010668	mg/L	08:42:27
1	Ga 417.206 At	-36.3	56.9	0.000687	mg/L	0.000687	mg/L	08:42:27
1	La 379.478 At	-409.4	257.1	0.001304	mg/L	0.001304	mg/L	08:42:27
1	Mo 202.031 At	29.5	-15.2	-0.001831	mg/L	-0.001831	mg/L	08:42:47
1	Ni 232.003 At	-101.1	34.3	0.003310	mg/L	0.003310	mg/L	08:42:47
1	P 213.617 At	-60.3	35.8	0.021139	mg/L	0.021139	mg/L	08:42:47
1	Pb 220.353 At	58.6	-12.6	-0.003217	mg/L	-0.003217	mg/L	08:42:47
1	Sb 206.836 At	-11.3	4.7	0.002670	mg/L	0.002670	mg/L	08:42:47
1	Sc 361.383 At	22.3	4.8	0.000004	mg/L	0.000004	mg/L	08:42:27
1	Se 196.026 At	-23.4	13.8	0.029747	mg/L	0.029747	mg/L	08:42:47
1	Sn 189.927 At	-25.6	15.2	0.005774	mg/L	0.005774	mg/L	08:42:47
1	Ti 336.121 At	-532.1	161.5	0.000589	mg/L	0.000589	mg/L	08:42:27
1	Tl 190.801 At	-9.9	3.1	0.003814	mg/L	0.003814	mg/L	08:42:47
1	V 292.402 At	-156.9	217.5	0.002571	mg/L	0.002571	mg/L	08:42:27
1	Zn 206.200 At	2.4	-23.5	-0.002345	mg/L	-0.002345	mg/L	08:42:47
2	Lu 261.542 R	288756.6	288756.6	166.386	%			08:41:42
2	Al 308.215 Rt	-0.1	-52.9	-0.054310	mg/L	-0.054310	mg/L	08:42:03
2	B 249.677 Rt	8.5	-2.2	-0.001127	mg/L	-0.001127	mg/L	08:42:03
2	Be 313.107 Rt	100.2	-39.5	-0.000277	mg/L	-0.000277	mg/L	08:42:03
2	Ca 315.887 Rt	-30.8	37.4	0.010117	mg/L	0.010117	mg/L	08:42:03

Method: ILMO5 OPT5 Page 2 Date: 5/20/2009 8:43:32 AM

2	Fe 273.955 Rt	-0.1	-18.7	-0.020970 mg/L	-0.020970 mg/L	08:42:03
2	K 766.490 Rt	390.1	-74.1	-0.028326 mg/L	-0.028326 mg/L	08:41:42
2	Li 670.784 Rt	1.0	-104.1	-0.001117 mg/L	-0.001117 mg/L	08:41:42
2	Mg 279.077 Rt	-2.7	-4.5	-0.008641 mg/L	-0.008641 mg/L	08:42:03
2	Mn 260.568 Rt	-5.0	-23.7	-0.001724 mg/L	-0.001724 mg/L	08:42:03
2	Na 589.592 Rt	53.6	-47.9	-0.006077 mg/L	-0.006077 mg/L	08:41:42
2	Si 251.611 Rt	34.3	-24.7	-0.017844 mg/L	-0.017844 mg/L	08:42:03
2	SIO2 251.611 Rt	34.3	-24.7	-0.038186 mg/L	-0.038186 mg/L	08:42:03
2	Sr 421.552 Rt	153.1	-98.9	-0.000122 mg/L	-0.000122 mg/L	08:41:42
2	Lu 261.542 A	4715931.7	4715931.7	194.520 %		08:43:00
2	Ag 328.068 At	-652.9	16.7	0.000106 mg/L	0.000106 mg/L	08:43:10
2	As 188.979 At	-7.9	4.5	0.005122 mg/L	0.005122 mg/L	08:43:30
2	Ba 233.527 At	-58.5	23.8	0.000545 mg/L	0.000545 mg/L	08:43:30
2	Bi 222.821 At	47.7	-9.8	-0.009106 mg/L	-0.009106 mg/L	08:43:30
2	Cd 226.502 At	-52.2	30.1	0.000877 mg/L	0.000877 mg/L	08:43:30
2	Co 228.616 At	-90.8	40.2	0.002185 mg/L	0.002185 mg/L	08:43:30
2	Cr 267.716 At	187.3	-66.8	-0.001695 mg/L	-0.001695 mg/L	08:43:30
2	Cu 324.752 At	1262.1	-1910.9	-0.010634 mg/L	-0.010634 mg/L	08:43:10
2	Ga 417.206 At	-37.4	56.1	0.000677 mg/L	0.000677 mg/L	08:43:10
2	La 379.478 At	-436.6	240.6	0.001220 mg/L	0.001220 mg/L	08:43:10
2	Mo 202.031 At	31.6	-13.9	-0.001681 mg/L	-0.001681 mg/L	08:43:30
2	Ni 232.003 At	-98.9	34.8	0.003356 mg/L	0.003356 mg/L	08:43:30
2	P 213.617 At	-61.5	34.9	0.020576 mg/L	0.020576 mg/L	08:43:30
2	Pb 220.353 At	53.1	-15.0	-0.003849 mg/L	-0.003849 mg/L	08:43:30
2	Sb 206.836 At	-11.5	4.5	0.002578 mg/L	0.002578 mg/L	08:43:30
2	Sc 361.383 At	12.0	-0.4	0.000000 mg/L	0.000000 mg/L	08:43:10
2	Se 196.026 At	-22.0	14.4	0.031038 mg/L	0.031038 mg/L	08:43:30
2	Sn 189.927 At	-26.3	14.7	0.005569 mg/L	0.005569 mg/L	08:43:30
2	Ti 336.121 At	-537.6	155.3	0.000567 mg/L	0.000567 mg/L	08:43:10
2	Tl 190.801 At	-9.4	3.3	0.004052 mg/L	0.004052 mg/L	08:43:30
2	V 292.402 At	-166.6	211.5	0.002501 mg/L	0.002501 mg/L	08:43:10
2	Zn 206.200 At	3.5	-22.9	-0.002288 mg/L	-0.002288 mg/L	08:43:30

Mean Data: ~~PBS~~ 222222 05/26/2009

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	289511.6	166.821	%	0.6153				0.37%
Internal Standard Check greater than the upper limit for Lu 261.542 R. Recovery = 166.8%								
Lu 261.542 A	4745506.4	195.739	%	1.7252				0.88%
Internal Standard Check greater than the upper limit for Lu 261.542 A. Recovery = 195.7%								
Ag 328.068 At	24.1	0.000156	mg/L	0.0000704	0.000156	mg/L	0.0000704	45.09%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-51.6	-0.052962	mg/L	0.0019061	-0.052962	mg/L	0.0019061	3.60%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	5.2	0.005898	mg/L	0.0010986	0.005898	mg/L	0.0010986	18.63%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-4.4	-0.002303	mg/L	0.0016626	-0.002303	mg/L	0.0016626	72.20%
Ba 233.527 At	23.9	0.000548	mg/L	0.0000036	0.000548	mg/L	0.0000036	0.65%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	-38.5	-0.000270	mg/L	0.0000098	-0.000270	mg/L	0.0000098	3.62%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	-11.2	-0.010416	mg/L	0.0018529	-0.010416	mg/L	0.0018529	17.79%
Ca 315.887 Rt	38.4	0.010384	mg/L	0.0003777	0.010384	mg/L	0.0003777	3.64%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	28.4	0.000828	mg/L	0.0000684	0.000828	mg/L	0.0000684	8.26%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	39.1	0.002127	mg/L	0.0000823	0.002127	mg/L	0.0000823	3.87%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-65.6	-0.001665	mg/L	0.0000421	-0.001665	mg/L	0.0000421	2.53%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	-1913.9	-0.010651	mg/L	0.0000240	-0.010651	mg/L	0.0000240	0.23%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-18.5	-0.020752	mg/L	0.0003077	-0.020752	mg/L	0.0003077	1.48%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	56.5	0.000682	mg/L	0.0000068	0.000682	mg/L	0.0000068	0.99%
K 766.490 Rt	-76.2	-0.029120	mg/L	0.0011219	-0.029120	mg/L	0.0011219	3.85%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	248.8	0.001262	mg/L	0.0000595	0.001262	mg/L	0.0000595	4.71%
Li 670.784 Rt	-93.4	-0.001001	mg/L	0.0001631	-0.001001	mg/L	0.0001631	16.28%
Mg 279.077 Rt	-3.6	-0.006859	mg/L	0.0025203	-0.006859	mg/L	0.0025203	36.75%
QC value within limits for Mg 279.077 R Recovery = Not calculated								

Mn 260.568 Rf	-23.4	-0.001701 mg/L	0.0000324	-0.001701 mg/L	0.0000324	1.90%	
QC value within limits for Mn 260.568 R Recovery = Not calculated							
Mo 202.031 Af	-14.6	-0.001756 mg/L	0.0001062	-0.001756 mg/L	0.0001062	6.05%	
Na 589.592 Rf	-47.3	-0.005995 mg/L	0.0001157	-0.005995 mg/L	0.0001157	1.93%	
QC value within limits for Na 589.592 R Recovery = Not calculated							
Ni 232.003 Af	34.6	0.003333 mg/L	0.0000324	0.003333 mg/L	0.0000324	0.97%	
QC value within limits for Ni 232.003 A Recovery = Not calculated							
P 213.617 Af	35.4	0.020858 mg/L	0.0003984	0.020858 mg/L	0.0003984	1.91%	
QC value within limits for P 213.617 A Recovery = Not calculated							
Pb 220.353 Af	-13.8	-0.003533 mg/L	0.0004468	-0.003533 mg/L	0.0004468	12.65%	
QC value within limits for Pb 220.353 A Recovery = Not calculated							
Sb 206.836 Af	4.6	0.002624 mg/L	0.0000651	0.002624 mg/L	0.0000651	2.48%	
QC value within limits for Sb 206.836 A Recovery = Not calculated							
Sc 361.383 Af	2.2	0.000002 mg/L	0.0000031	0.000002 mg/L	0.0000031	164.08%	
Se 196.026 Af	14.1	0.030392 mg/L	0.0009128	0.030392 mg/L	0.0009128	3.00%	
QC value within limits for Se 196.026 A Recovery = Not calculated							
Si 251.611 Rf	-25.3	-0.018277 mg/L	0.0006127	-0.018277 mg/L	0.0006127	3.35%	
SIO2 251.611 Rf	-25.3	-0.039113 mg/L	0.0013111	-0.039113 mg/L	0.0013111	3.35%	
Sn 189.927 Af	14.9	0.005672 mg/L	0.0001448	0.005672 mg/L	0.0001448	2.55%	
Sr 421.552 Rf	-102.1	-0.000126 mg/L	0.0000056	-0.000126 mg/L	0.0000056	4.46%	
Ti 336.121 Af	158.4	0.000578 mg/L	0.0000159	0.000578 mg/L	0.0000159	2.75%	
Tl 190.801 Af	3.2	0.003933 mg/L	0.0001684	0.003933 mg/L	0.0001684	4.28%	
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 Af	214.5	0.002536 mg/L	0.0000495	0.002536 mg/L	0.0000495	1.95%	
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 Af	-23.2	-0.002317 mg/L	0.0000403	-0.002317 mg/L	0.0000403	1.74%	
QC value within limits for Zn 206.200 A Recovery = Not calculated							

Internal Standard Check failed. Continue with analysis.
All analyte(s) passed QC.

Sequence No.: 2
Sample ID: LCSS
Analyst:
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 39
Date Collected: 5/20/2009 8:45:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Analysis Begun

Start Time: 5/20/2009 8:46:54 AM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902

Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Sample ID: PBS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 5/20/2009 8:46:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: PBS

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	169220.8	169220.8	97.5075	%			08:48:44
1	Al 308.215 Rt	52.0	0.5	0.000528	mg/L	0.000528	mg/L	08:49:04
1	B 249.677 Rt	4.6	-2.6	-0.001342	mg/L	-0.001342	mg/L	08:49:04
1	Be 313.107 Rt	93.3	-4.1	-0.000028	mg/L	-0.000028	mg/L	08:49:04
1	Ca 315.887 Rt	-38.7	16.2	0.004391	mg/L	0.004391	mg/L	08:49:04
1	Fe 273.955 Rt	27.6	9.7	0.010903	mg/L	0.010903	mg/L	08:49:04
1	K 766.490 Rt	290.4	-10.7	-0.004097	mg/L	-0.004097	mg/L	08:48:44
1	Li 670.784 Rt	-97.4	-204.6	-0.002195	mg/L	-0.002195	mg/L	08:48:44
1	Mg 279.077 Rt	6.1	3.3	0.006404	mg/L	0.006404	mg/L	08:49:04
1	Mn 260.568 Rt	12.0	-8.3	-0.000607	mg/L	-0.000607	mg/L	08:49:04
1	Na 589.592 Rt	128.8	52.0	0.006594	mg/L	0.006594	mg/L	08:48:44
1	Si 251.611 Rt	78.8	35.5	0.025706	mg/L	0.025706	mg/L	08:49:04
1	SIO2 251.611 Rt	78.8	35.5	0.055010	mg/L	0.055010	mg/L	08:49:04
1	Sr 421.552 Rt	168.4	-18.2	-0.000023	mg/L	-0.000023	mg/L	08:48:44
1	Lu 261.542 A	2370824.0	2370824.0	97.7901	%			08:49:48
1	Ag 328.068 At	-298.5	47.2	0.000343	mg/L	0.000343	mg/L	08:49:58
1	As 188.979 At	-12.4	-4.1	-0.004647	mg/L	-0.004647	mg/L	08:50:18
1	Ba 233.527 At	-73.6	-21.4	-0.000491	mg/L	-0.000491	mg/L	08:50:18
1	Bi 222.821 At	46.5	13.2	0.012270	mg/L	0.012270	mg/L	08:50:18
1	Cd 226.502 At	-64.4	-8.9	-0.000261	mg/L	-0.000261	mg/L	08:50:18
1	Co 228.616 At	-100.1	-15.5	-0.000839	mg/L	-0.000839	mg/L	08:50:18
1	Cr 267.716 At	174.5	15.4	0.000390	mg/L	0.000390	mg/L	08:50:18
1	Cu 324.752 At	3005.1	513.3	0.002856	mg/L	0.002856	mg/L	08:49:58
1	Ga 417.206 At	-63.4	10.5	0.000127	mg/L	0.000127	mg/L	08:49:58
1	La 379.478 At	-408.7	47.1	0.000239	mg/L	0.000239	mg/L	08:49:58
1	Mo 202.031 At	42.8	13.6	0.001635	mg/L	0.001635	mg/L	08:50:18
1	Ni 232.003 At	-112.9	-29.8	-0.002850	mg/L	-0.002850	mg/L	08:50:18
1	P 213.617 At	-60.1	5.0	0.002833	mg/L	0.002833	mg/L	08:50:18
1	Pb 220.353 At	49.0	7.8	0.002010	mg/L	0.002010	mg/L	08:50:18
1	Sb 206.836 At	-7.2	3.1	0.001747	mg/L	0.001747	mg/L	08:50:18
1	Sc 361.383 At	24.9	19.0	0.000016	mg/L	0.000016	mg/L	08:49:58
1	Se 196.026 At	-31.0	-6.0	-0.012968	mg/L	-0.012968	mg/L	08:50:18
1	Sn 189.927 At	-8.0	20.0	0.007602	mg/L	0.007602	mg/L	08:50:18
1	Ti 336.121 At	-643.5	-226.4	-0.000826	mg/L	-0.000826	mg/L	08:49:58
1	Tl 190.801 At	-11.8	-4.0	-0.004990	mg/L	-0.004990	mg/L	08:50:18
1	V 292.402 At	-312.3	-22.2	-0.000252	mg/L	-0.000252	mg/L	08:49:58
1	Zn 206.200 At	27.8	3.7	0.000373	mg/L	0.000373	mg/L	08:50:18
2	Lu 261.542 R	167248.5	167248.5	96.3711	%			08:49:14
2	Al 308.215 Rt	47.2	-3.9	-0.003982	mg/L	-0.003982	mg/L	08:49:35
2	B 249.677 Rt	2.9	-4.2	-0.002192	mg/L	-0.002192	mg/L	08:49:35

Method: ILMO5 OPT5 Page 5 Date: 5/20/2009 8:51:02 AM

2	Be 313.107 Rt	95.1	-1.1	-0.000007 mg/L	-0.000007 mg/L	08:49:35
2	Ca 315.887 Rt	-38.5	16.0	0.004311 mg/L	0.004311 mg/L	08:49:35
2	Fe 273.955 Rt	23.9	6.2	0.006950 mg/L	0.006950 mg/L	08:49:35
2	K 766.490 Rt	273.8	-24.4	-0.009321 mg/L	-0.009321 mg/L	08:49:14
2	Li 670.784 Rt	-58.2	-165.1	-0.001771 mg/L	-0.001771 mg/L	08:49:14
2	Mg 279.077 Rt	3.9	1.2	0.002206 mg/L	0.002206 mg/L	08:49:35
2	Mn 260.568 Rt	9.4	-10.9	-0.000792 mg/L	-0.000792 mg/L	08:49:35
2	Na 589.592 Rt	135.3	60.2	0.007640 mg/L	0.007640 mg/L	08:49:14
2	Si 251.611 Rt	77.2	34.8	0.025151 mg/L	0.025151 mg/L	08:49:35
2	SIO2 251.611 Rt	77.2	34.8	0.053823 mg/L	0.053823 mg/L	08:49:35
2	Sr 421.552 Rt	168.8	-15.8	-0.000020 mg/L	-0.000020 mg/L	08:49:14
2	Lu 261.542 A	2348587.4	2348587.4	96.8729 %		08:50:29
2	Ag 328.068 At	-290.9	52.2	0.000370 mg/L	0.000370 mg/L	08:50:40
2	As 188.979 At	-9.6	-1.4	-0.001551 mg/L	-0.001551 mg/L	08:51:00
2	Ba 233.527 At	-74.1	-22.6	-0.000519 mg/L	-0.000519 mg/L	08:51:00
2	Bi 222.821 At	46.2	13.4	0.012430 mg/L	0.012430 mg/L	08:51:00
2	Cd 226.502 At	-72.2	-17.6	-0.000511 mg/L	-0.000511 mg/L	08:51:00
2	Co 228.616 At	-106.8	-23.3	-0.001267 mg/L	-0.001267 mg/L	08:51:00
2	Cr 267.716 At	172.6	15.1	0.000385 mg/L	0.000385 mg/L	08:51:00
2	Cu 324.752 At	2874.6	407.7	0.002268 mg/L	0.002268 mg/L	08:50:40
2	Ga 417.206 At	-71.0	2.0	0.000026 mg/L	0.000026 mg/L	08:50:40
2	La 379.478 At	-413.4	38.2	0.000194 mg/L	0.000194 mg/L	08:50:40
2	Mo 202.031 At	44.9	16.2	0.001945 mg/L	0.001945 mg/L	08:51:00
2	Ni 232.003 At	-110.7	-28.6	-0.002743 mg/L	-0.002743 mg/L	08:51:00
2	P 213.617 At	-69.5	-5.3	-0.003128 mg/L	-0.003128 mg/L	08:51:00
2	Pb 220.353 At	47.6	6.9	0.001769 mg/L	0.001769 mg/L	08:51:00
2	Sb 206.836 At	-3.2	7.1	0.004035 mg/L	0.004035 mg/L	08:51:00
2	Sc 361.383 At	-2.5	-9.2	-0.000008 mg/L	-0.000008 mg/L	08:50:40
2	Se 196.026 At	-35.0	-10.5	-0.022644 mg/L	-0.022644 mg/L	08:51:00
2	Sn 189.927 At	-9.5	18.4	0.007002 mg/L	0.007002 mg/L	08:51:00
2	Ti 336.121 At	-628.5	-217.1	-0.000793 mg/L	-0.000793 mg/L	08:50:40
2	Tl 190.801 At	-10.1	-2.4	-0.002952 mg/L	-0.002952 mg/L	08:51:00
2	V 292.402 At	-327.7	-41.2	-0.000475 mg/L	-0.000475 mg/L	08:50:40
2	Zn 206.200 At	26.2	2.3	0.000235 mg/L	0.000235 mg/L	08:51:00

Mean Data: PBS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	168234.6	96.9393	%	0.80360				0.83%
Lu 261.542 A	2359705.7	97.3315	%	0.64856				0.67%
Ag 328.068 At	49.7	0.000356	mg/L	0.0000197	0.000356	mg/L	0.0000197	5.52%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-1.7	-0.001727	mg/L	0.0031893	-0.001727	mg/L	0.0031893	184.70%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	-2.7	-0.003099	mg/L	0.0021894	-0.003099	mg/L	0.0021894	70.65%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-3.4	-0.001767	mg/L	0.0006010	-0.001767	mg/L	0.0006010	34.01%
Ba 233.527 At	-22.0	-0.000505	mg/L	0.0000199	-0.000505	mg/L	0.0000199	3.95%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	-2.6	-0.000018	mg/L	0.0000147	-0.000018	mg/L	0.0000147	82.50%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	13.3	0.012350	mg/L	0.0001136	0.012350	mg/L	0.0001136	0.92%
Ca 315.887 Rt	16.1	0.004351	mg/L	0.0000565	0.004351	mg/L	0.0000565	1.30%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	-13.2	-0.000386	mg/L	0.0001766	-0.000386	mg/L	0.0001766	45.77%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-19.4	-0.001053	mg/L	0.0003022	-0.001053	mg/L	0.0003022	28.70%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	15.2	0.000387	mg/L	0.0000037	0.000387	mg/L	0.0000037	0.97%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	460.5	0.002562	mg/L	0.0004155	0.002562	mg/L	0.0004155	16.22%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	8.0	0.008927	mg/L	0.0027952	0.008927	mg/L	0.0027952	31.31%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	6.3	0.000076	mg/L	0.0000717	0.000076	mg/L	0.0000717	93.77%
K 766.490 Rt	-17.5	-0.006709	mg/L	0.0036939	-0.006709	mg/L	0.0036939	55.06%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	42.7	0.000216	mg/L	0.0000318	0.000216	mg/L	0.0000318	14.69%
Li 670.784 Rt	-184.9	-0.001983	mg/L	0.0002999	-0.001983	mg/L	0.0002999	15.12%
Mg 279.077 Rt	2.3	0.004305	mg/L	0.0029681	0.004305	mg/L	0.0029681	68.94%
QC value within limits for Mg 279.077 R Recovery = Not calculated								

Mn 260.568 Rt	-9.6	-0.000699 mg/L	0.0001309	-0.000699 mg/L	0.0001309	18.72%	
QC value within limits for Mn 260.568 R Recovery = Not calculated							
Mo 202.031 At	14.9	0.001790 mg/L	0.0002192	0.001790 mg/L	0.0002192	12.25%	
Na 589.592 Rt	56.1	0.007117 mg/L	0.0007391	0.007117 mg/L	0.0007391	10.39%	
QC value within limits for Na 589.592 R Recovery = Not calculated							
Ni 232.003 At	-29.2	-0.002796 mg/L	0.0000757	-0.002796 mg/L	0.0000757	2.71%	
QC value within limits for Ni 232.003 A Recovery = Not calculated							
P 213.617 At	-0.1	-0.000148 mg/L	0.0042156	-0.000148 mg/L	0.0042156	>999.9%	
QC value within limits for P 213.617 A Recovery = Not calculated							
Pb 220.353 At	7.4	0.001889 mg/L	0.0001704	0.001889 mg/L	0.0001704	9.02%	
QC value within limits for Pb 220.353 A Recovery = Not calculated							
Sb 206.836 At	5.1	0.002891 mg/L	0.0016174	0.002891 mg/L	0.0016174	55.95%	
QC value within limits for Sb 206.836 A Recovery = Not calculated							
Sc 361.383 At	4.9	0.000004 mg/L	0.0000170	0.000004 mg/L	0.0000170	406.58%	
Se 196.026 At	-8.2	-0.017806 mg/L	0.0068415	-0.017806 mg/L	0.0068415	38.42%	
QC value within limits for Se 196.026 A Recovery = Not calculated							
Si 251.611 Rt	35.2	0.025428 mg/L	0.0003924	0.025428 mg/L	0.0003924	1.54%	
SIO2 251.611 Rt	35.2	0.054417 mg/L	0.0008397	0.054417 mg/L	0.0008397	1.54%	
Sn 189.927 At	19.2	0.007302 mg/L	0.0004241	0.007302 mg/L	0.0004241	5.81%	
Sr 421.552 Rt	-17.0	-0.000021 mg/L	0.0000021	-0.000021 mg/L	0.0000021	9.96%	
Ti 336.121 At	-221.7	-0.000809 mg/L	0.0000239	-0.000809 mg/L	0.0000239	2.95%	
Tl 190.801 At	-3.2	-0.003971 mg/L	0.0014415	-0.003971 mg/L	0.0014415	36.30%	
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	-31.7	-0.000364 mg/L	0.0001579	-0.000364 mg/L	0.0001579	43.41%	
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	3.0	0.000304 mg/L	0.0000975	0.000304 mg/L	0.0000975	32.08%	
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 2
Sample ID: LCSS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 5/20/2009 8:52:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: LCSS

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	162832.8	162832.8	93.8267	%			08:54:45
1	Al 308.215 Rt	897.2	903.4	0.924250	mg/L	0.924250	mg/L	08:55:05
1	B 249.677 Rt	22.4	16.7	0.008459	mg/L	0.008459	mg/L	08:55:05
1	Be 313.107 Rt	6258.5	6570.6	0.045948	mg/L	0.045948	mg/L	08:54:45
1	Ca 315.887 Rt	1426062.8	1519945.5	410.797	mg/L	410.797	mg/L	08:54:35
1	Fe 273.955 Rt	49372.8	52602.7	58.9909	mg/L	58.9909	mg/L	08:54:45
1	K 766.490 Rt	794.7	538.4	0.205879	mg/L	0.205879	mg/L	08:55:05
1	Li 670.784 Rt	121.2	24.4	0.000262	mg/L	0.000262	mg/L	08:54:45
1	Mg 279.077 Rt	129581.1	138103.9	264.136	mg/L	264.136	mg/L	08:54:45
1	Mn 260.568 Rt	6999.5	7439.3	0.529092	mg/L	0.529092	mg/L	08:55:05
1	Na 589.592 Rt	1129.7	1123.9	0.142510	mg/L	0.142510	mg/L	08:55:05
1	Si 251.611 Rt	3130.2	3290.8	2.37863	mg/L	2.37863	mg/L	08:55:05
1	SIO2 251.611 Rt	3130.2	3290.8	5.09028	mg/L	5.09028	mg/L	08:55:05
1	Sr 421.552 Rt	98452.9	104739.5	0.129339	mg/L	0.129339	mg/L	08:54:45
1	Lu 261.542 A	2184077.8	2184077.8	90.0873	%			08:56:02
1	Ag 328.068 At	8371.3	9644.8	0.064375	mg/L	0.064375	mg/L	08:56:13
1	As 188.979 At	1726.8	1925.4	2.16726	mg/L	2.16726	mg/L	08:56:33
1	Ba 233.527 At	504.2	613.5	0.014083	mg/L	0.014083	mg/L	08:56:33
1	Bi 222.821 At	149.2	131.3	0.247870	mg/L	0.247870	mg/L	08:56:13
1	Cd 226.502 At	3219.5	3630.7	0.088481	mg/L	0.088481	mg/L	08:56:33
1	Co 228.616 At	5298.7	5968.7	0.324468	mg/L	0.324468	mg/L	08:56:33
1	Cr 267.716 At	9255.1	10110.4	0.253874	mg/L	0.253874	mg/L	08:56:13
1	Cu 324.752 At	2628947.8	2915661.6	16.2275	mg/L	16.2275	mg/L	08:56:02
1	Ga 417.206 At	927.1	1104.4	-0.000384	mg/L	-0.000384	mg/L	08:56:13
1	La 379.478 At	2776.1	3546.5	0.017988	mg/L	0.017988	mg/L	08:56:13
1	Mo 202.031 At	984.2	1062.3	0.123146	mg/L	0.123146	mg/L	08:56:33
1	Ni 232.003 At	852.2	1031.7	0.157270	mg/L	0.157270	mg/L	08:56:13
1	P 213.617 At	685.9	827.8	0.024486	mg/L	0.024486	mg/L	08:56:13
1	Pb 220.353 At	1731.6	1879.9	0.463704	mg/L	0.463704	mg/L	08:56:33
1	Sb 206.836 At	845.7	949.2	0.538603	mg/L	0.538603	mg/L	08:56:33
1	Sc 361.383 At	144.1	153.4	0.000131	mg/L	0.000131	mg/L	08:56:13
1	Se 196.026 At	23.7	51.9	0.081916	mg/L	0.081916	mg/L	08:56:33
1	Sn 189.927 At	-30.3	-5.5	-0.002080	mg/L	-0.002080	mg/L	08:56:33
1	Ti 336.121 At	12225.0	14001.9	0.042046	mg/L	0.042046	mg/L	08:56:13
1	Tl 190.801 At	39.8	52.2	0.069304	mg/L	0.069304	mg/L	08:56:33
1	V 292.402 At	11921.1	13529.9	0.158388	mg/L	0.158388	mg/L	08:56:13
1	Zn 206.200 At	3199.0	3526.3	0.352644	mg/L	0.352644	mg/L	08:56:33
2	Lu 261.542 R	162507.2	162507.2	93.6391	%			08:55:27
2	Al 308.215 Rt	907.6	916.5	0.937697	mg/L	0.937697	mg/L	08:55:47
2	B 249.677 Rt	25.7	20.2	0.010307	mg/L	0.010307	mg/L	08:55:47
2	Be 313.107 Rt	6236.9	6560.8	0.045879	mg/L	0.045879	mg/L	08:55:27
2	Ca 315.887 Rt	1420429.7	1516975.8	409.994	mg/L	409.994	mg/L	08:55:16
2	Fe 273.955 Rt	49233.9	52559.8	58.9428	mg/L	58.9428	mg/L	08:55:27
2	K 766.490 Rt	770.1	513.9	0.196503	mg/L	0.196503	mg/L	08:55:47
2	Li 670.784 Rt	101.9	4.2	0.000045	mg/L	0.000045	mg/L	08:55:27
2	Mg 279.077 Rt	129071.5	137836.4	263.624	mg/L	263.624	mg/L	08:55:27
2	Mn 260.568 Rt	7078.3	7538.5	0.536332	mg/L	0.536332	mg/L	08:55:47
2	Na 589.592 Rt	1136.2	1133.3	0.143701	mg/L	0.143701	mg/L	08:55:47
2	Si 251.611 Rt	3160.1	3329.5	2.40665	mg/L	2.40665	mg/L	08:55:47
2	SIO2 251.611 Rt	3160.1	3329.5	5.15024	mg/L	5.15024	mg/L	08:55:47
2	Sr 421.552 Rt	97737.0	104185.3	0.128654	mg/L	0.128654	mg/L	08:55:27
2	Lu 261.542 A	2215148.6	2215148.6	91.3689	%			08:56:46
2	Ag 328.068 At	8318.0	9456.1	0.063151	mg/L	0.063151	mg/L	08:56:57
2	As 188.979 At	1715.7	1886.3	2.12329	mg/L	2.12329	mg/L	08:57:17
2	Ba 233.527 At	503.1	604.4	0.013874	mg/L	0.013874	mg/L	08:57:17
2	Bi 222.821 At	136.4	115.0	0.231714	mg/L	0.231714	mg/L	08:56:57
2	Cd 226.502 At	3229.5	3591.5	0.087364	mg/L	0.087364	mg/L	08:57:17
2	Co 228.616 At	5295.6	5882.7	0.319798	mg/L	0.319798	mg/L	08:57:17
2	Cr 267.716 At	9238.4	9948.1	0.249764	mg/L	0.249764	mg/L	08:56:57
2	Cu 324.752 At	2648242.3	2895846.2	16.1172	mg/L	16.1172	mg/L	08:56:46

2	Ga 417.206 At	936.8	1100.6	-0.000413 mg/L	-0.000413 mg/L	08:56:57
2	La 379.478 At	2719.2	3441.1	0.017454 mg/L	0.017454 mg/L	08:56:57
2	Mo 202.031 At	996.0	1059.9	0.122851 mg/L	0.122851 mg/L	08:57:17
2	Ni 232.003 At	828.9	992.9	0.153602 mg/L	0.153602 mg/L	08:56:57
2	P 213.617 At	682.1	813.0	0.019104 mg/L	0.019104 mg/L	08:56:57
2	Pb 220.353 At	1740.0	1862.0	0.459235 mg/L	0.459235 mg/L	08:57:17
2	Sb 206.836 At	846.3	936.7	0.531481 mg/L	0.531481 mg/L	08:57:17
2	Sc 361.383 At	135.7	142.0	0.000121 mg/L	0.000121 mg/L	08:56:57
2	Se 196.026 At	28.0	56.3	0.091361 mg/L	0.091361 mg/L	08:57:17
2	Sn 189.927 At	-21.7	4.5	0.001699 mg/L	0.001699 mg/L	08:57:17
2	Ti 336.121 At	12076.0	13648.4	0.040774 mg/L	0.040774 mg/L	08:56:57
2	Tl 190.801 At	43.0	55.1	0.072934 mg/L	0.072934 mg/L	08:57:17
2	V 292.402 At	11819.8	13233.4	0.154856 mg/L	0.154856 mg/L	08:56:57
2	Zn 206.200 At	3206.4	3484.6	0.348470 mg/L	0.348470 mg/L	08:57:17

Mean Data: LCSS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	162670.0	93.7329	%	0.13270				0.14%
Lu 261.542 A	2199613.2	90.7281	%	0.90622				1.00%
Ag 328.068 At	9550.5	0.063763	mg/L	0.0008654	0.063763	mg/L	0.0008654	1.36%
QC value within limits for Ag 328.068 A Recovery = 108.07%								
Al 308.215 Rt	909.9	0.930973	mg/L	0.0095082	0.930973	mg/L	0.0095082	1.02%
QC value within limits for Al 308.215 R Recovery = 80.95%								
As 188.979 At	1905.8	2.14527	mg/L	0.031090	2.14527	mg/L	0.031090	1.45%
QC value within limits for As 188.979 A Recovery = 84.79%								
B 249.677 Rt	18.4	0.009383	mg/L	0.0013071	0.009383	mg/L	0.0013071	13.93%
Ba 233.527 At	609.0	0.013978	mg/L	0.0001472	0.013978	mg/L	0.0001472	1.05%
QC value within limits for Ba 233.527 A Recovery = 87.37%								
Be 313.107 Rt	6565.7	0.045914	mg/L	0.0000484	0.045914	mg/L	0.0000484	0.11%
QC value within limits for Be 313.107 R Recovery = 93.70%								
Bi 222.821 At	123.1	0.239792	mg/L	0.0114238	0.239792	mg/L	0.0114238	4.76%
Ca 315.887 Rt	1518460.7	410.395	mg/L	0.5675	410.395	mg/L	0.5675	0.14%
QC value within limits for Ca 315.887 R Recovery = 92.85%								
Cd 226.502 At	3611.1	0.087923	mg/L	0.0007905	0.087923	mg/L	0.0007905	0.90%
QC value within limits for Cd 226.502 A Recovery = 80.66%								
Co 228.616 At	5925.7	0.322133	mg/L	0.0033019	0.322133	mg/L	0.0033019	1.03%
QC value within limits for Co 228.616 A Recovery = 86.13%								
Cr 267.716 At	10029.2	0.251819	mg/L	0.0029064	0.251819	mg/L	0.0029064	1.15%
QC value within limits for Cr 267.716 A Recovery = 92.92%								
Cu 324.752 At	2905753.9	16.1724	mg/L	0.07798	16.1724	mg/L	0.07798	0.48%
QC value within limits for Cu 324.752 A Recovery = 91.37%								
Fe 273.955 Rt	52581.2	58.9669	mg/L	0.03397	58.9669	mg/L	0.03397	0.06%
QC value within limits for Fe 273.955 R Recovery = 91.14%								
Ga 417.206 At	1102.5	-0.000399	mg/L	0.0000204	-0.000399	mg/L	0.0000204	5.11%
K 766.490 Rt	526.2	0.201191	mg/L	0.0066302	0.201191	mg/L	0.0066302	3.30%
QC value within limits for K 766.490 R Recovery = 50.68%								
La 379.478 At	3493.8	0.017721	mg/L	0.0003781	0.017721	mg/L	0.0003781	2.13%
Li 670.784 Rt	14.3	0.000153	mg/L	0.0001538	0.000153	mg/L	0.0001538	100.24%
Mg 279.077 Rt	137970.2	263.880	mg/L	0.3618	263.880	mg/L	0.3618	0.14%
QC value within limits for Mg 279.077 R Recovery = 90.37%								
Mn 260.568 Rt	7488.9	0.532712	mg/L	0.0051194	0.532712	mg/L	0.0051194	0.96%
QC value within limits for Mn 260.568 R Recovery = 87.33%								
Mo 202.031 At	1061.1	0.122999	mg/L	0.0002084	0.122999	mg/L	0.0002084	0.17%
Na 589.592 Rt	1128.6	0.143106	mg/L	0.0008422	0.143106	mg/L	0.0008422	0.59%
QC value within limits for Na 589.592 R Recovery = 19.74%								
Ni 232.003 At	1012.3	0.155436	mg/L	0.0025935	0.155436	mg/L	0.0025935	1.67%
QC value within limits for Ni 232.003 A Recovery = 95.36%								
P 213.617 At	820.4	0.021795	mg/L	0.0038060	0.021795	mg/L	0.0038060	17.46%
Pb 220.353 At	1871.0	0.461470	mg/L	0.0031601	0.461470	mg/L	0.0031601	0.68%
QC value within limits for Pb 220.353 A Recovery = 81.10%								
Sb 206.836 At	942.9	0.535042	mg/L	0.0050360	0.535042	mg/L	0.0050360	0.94%
QC value within limits for Sb 206.836 A Recovery = 81.07%								
Sc 361.383 At	147.7	0.000126	mg/L	0.0000068	0.000126	mg/L	0.0000068	5.44%
Se 196.026 At	54.1	0.086639	mg/L	0.0066780	0.086639	mg/L	0.0066780	7.71%
QC value within limits for Se 196.026 A Recovery = 86.64%								
Si 251.611 Rt	3310.2	2.39264	mg/L	0.019814	2.39264	mg/L	0.019814	0.83%
SIO2 251.611 Rt	3310.2	5.12026	mg/L	0.042402	5.12026	mg/L	0.042402	0.83%
Sn 189.927 At	-0.5	-0.000190	mg/L	0.0026723	-0.000190	mg/L	0.0026723	>999.9%
Sr 421.552 Rt	104462.4	0.128996	mg/L	0.0004839	0.128996	mg/L	0.0004839	0.38%
Ti 336.121 At	13825.1	0.041410	mg/L	0.0008997	0.041410	mg/L	0.0008997	2.17%

Tl 190.801 At	53.7	0.071119 mg/L	0.0025667	0.071119 mg/L	0.0025667	3.61%
QC value within limits for Tl 190.801 A Recovery = 74.86%						
V 292.402 At	13381.7	0.156622 mg/L	0.0024978	0.156622 mg/L	0.0024978	1.59%
QC value within limits for V 292.402 A Recovery = 88.99%						
Zn 206.200 At	3505.4	0.350557 mg/L	0.0029521	0.350557 mg/L	0.0029521	0.84%
QC value within limits for Zn 206.200 A Recovery = 73.80%						

All analyte(s) passed QC.

Sequence No.: 3
Sample ID: ME2QQ1
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 5/20/2009 8:59:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	179521.1	179521.1	103.443	%			09:00:53
1	Al 308.215 Rt	18909.1	18227.0	18.7170	mg/L	18.7170	mg/L	09:01:13
1	B 249.677 Rt	104.2	93.5	0.049246	mg/L	0.049246	mg/L	09:01:13
1	Be 313.107 Rt	478.5	362.8	0.002526	mg/L	0.002526	mg/L	09:01:13
1	Ca 315.887 Rt	161825.8	156495.9	42.2962	mg/L	42.2962	mg/L	09:00:53
1	Fe 273.955 Rt	157320.7	152066.2	170.604	mg/L	170.604	mg/L	09:00:53
1	K 766.490 Rt	4633.8	4171.0	1.59489	mg/L	1.59489	mg/L	09:01:13
1	Li 670.784 Rt	1717.8	1556.0	0.016691	mg/L	0.016691	mg/L	09:01:13
1	Mg 279.077 Rt	6536.4	6316.0	12.0799	mg/L	12.0799	mg/L	09:01:13
1	Mn 260.568 Rt	27229.4	26302.5	1.90299	mg/L	1.90299	mg/L	09:01:13
1	Na 589.592 Rt	4432.3	4204.7	0.533171	mg/L	0.533171	mg/L	09:01:13
1	Si 251.611 Rt	9434.0	9074.7	6.55976	mg/L	6.55976	mg/L	09:01:13
1	SIO2 251.611 Rt	9434.0	9074.7	14.0379	mg/L	14.0379	mg/L	09:01:13
1	Sr 421.552 Rt	93867.1	90552.1	0.111819	mg/L	0.111819	mg/L	09:00:53
1	Lu 261.542 A	2366309.1	2366309.1	97.6039	%			09:01:58
1	Ag 328.068 At	-518.1	-178.4	0.005611	mg/L	0.005611	mg/L	09:02:08
1	As 188.979 At	27.8	37.0	0.041033	mg/L	0.041033	mg/L	09:02:29
1	Ba 233.527 At	13913.4	14308.8	0.328441	mg/L	0.328441	mg/L	09:02:08
1	Bi 222.821 At	124.6	93.3	-0.041978	mg/L	-0.041978	mg/L	09:02:29
1	Cd 226.502 At	1427.4	1519.4	-0.000935	mg/L	-0.000935	mg/L	09:02:08
1	Co 228.616 At	149.4	239.9	0.011807	mg/L	0.011807	mg/L	09:02:29
1	Cr 267.716 At	15519.3	15737.3	0.399259	mg/L	0.399259	mg/L	09:02:08
1	Cu 324.752 At	78196.4	77556.4	0.431509	mg/L	0.431509	mg/L	09:02:08
1	Ga 417.206 At	3256.0	3411.3	0.000024	mg/L	0.000024	mg/L	09:02:08
1	La 379.478 At	10089.5	10802.2	0.054790	mg/L	0.054790	mg/L	09:01:58
1	Mo 202.031 At	221.4	196.6	0.022272	mg/L	0.022272	mg/L	09:02:29
1	Ni 232.003 At	-123.3	-40.7	0.153444	mg/L	0.153444	mg/L	09:02:08
1	P 213.617 At	9237.6	9530.8	5.59878	mg/L	5.59878	mg/L	09:02:08
1	Pb 220.353 At	2475.1	2493.6	0.629051	mg/L	0.629051	mg/L	09:02:29
1	Sb 206.836 At	21.2	32.2	0.009399	mg/L	0.009399	mg/L	09:02:29
1	Sc 361.383 At	2970.0	3036.4	0.002588	mg/L	0.002588	mg/L	09:02:08
1	Se 196.026 At	-33.4	-8.6	0.000610	mg/L	0.000610	mg/L	09:02:29
1	Sn 189.927 At	424.9	463.5	0.176031	mg/L	0.176031	mg/L	09:02:29
1	Ti 336.121 At	140758.3	144645.5	0.527257	mg/L	0.527257	mg/L	09:01:58
1	Tl 190.801 At	-15.9	-8.2	0.004769	mg/L	0.004769	mg/L	09:02:29
1	V 292.402 At	9367.3	9894.4	0.106987	mg/L	0.106987	mg/L	09:02:08
1	Zn 206.200 At	21456.3	21958.3	2.19728	mg/L	2.19728	mg/L	09:02:08
2	Lu 261.542 R	177321.3	177321.3	102.175	%			09:01:24
2	Al 308.215 Rt	19003.8	18546.4	19.0451	mg/L	19.0451	mg/L	09:01:44
2	B 249.677 Rt	104.2	94.7	0.049879	mg/L	0.049879	mg/L	09:01:44
2	Be 313.107 Rt	490.7	380.5	0.002650	mg/L	0.002650	mg/L	09:01:44
2	Ca 315.887 Rt	159257.1	155922.6	42.1413	mg/L	42.1413	mg/L	09:01:24
2	Fe 273.955 Rt	155385.4	152058.8	170.595	mg/L	170.595	mg/L	09:01:24
2	K 766.490 Rt	4654.8	4247.2	1.62402	mg/L	1.62402	mg/L	09:01:44
2	Li 670.784 Rt	1744.3	1602.5	0.017190	mg/L	0.017190	mg/L	09:01:44
2	Mg 279.077 Rt	6602.7	6459.3	12.3539	mg/L	12.3539	mg/L	09:01:44
2	Mn 260.568 Rt	27416.6	26812.3	1.94008	mg/L	1.94008	mg/L	09:01:44
2	Na 589.592 Rt	4467.8	4292.5	0.544312	mg/L	0.544312	mg/L	09:01:44
2	Si 251.611 Rt	9503.8	9256.2	6.69108	mg/L	6.69108	mg/L	09:01:44
2	SIO2 251.611 Rt	9503.8	9256.2	14.3189	mg/L	14.3189	mg/L	09:01:44
2	Sr 421.552 Rt	92350.8	90193.7	0.111377	mg/L	0.111377	mg/L	09:01:24
2	Lu 261.542 A	2361174.0	2361174.0	97.3921	%			09:02:41
2	Ag 328.068 At	-508.9	-170.2	0.005667	mg/L	0.005667	mg/L	09:02:51
2	As 188.979 At	25.8	35.1	0.038888	mg/L	0.038888	mg/L	09:03:11
2	Ba 233.527 At	13913.6	14340.0	0.329157	mg/L	0.329157	mg/L	09:02:51
2	Bi 222.821 At	126.1	95.2	-0.040327	mg/L	-0.040327	mg/L	09:03:11
2	Cd 226.502 At	1458.1	1554.1	0.000080	mg/L	0.000080	mg/L	09:02:51
2	Co 228.616 At	158.8	250.0	0.012356	mg/L	0.012356	mg/L	09:03:11
2	Cr 267.716 At	15549.7	15803.1	0.400926	mg/L	0.400926	mg/L	09:02:51
2	Cu 324.752 At	77913.7	77440.3	0.430858	mg/L	0.430858	mg/L	09:02:51

2	Ga 417.206 At	3256.8	3419.3	0.000128 mg/L	0.000128 mg/L	09:02:51
2	La 379.478 At	10067.5	10802.1	0.054790 mg/L	0.054790 mg/L	09:02:41
2	Mo 202.031 At	229.1	205.0	0.023220 mg/L	0.023220 mg/L	09:03:11
2	Ni 232.003 At	-108.9	-26.2	0.154843 mg/L	0.154843 mg/L	09:02:51
2	P 213.617 At	9254.1	9568.4	5.62060 mg/L	5.62060 mg/L	09:02:51
2	Pb 220.353 At	2465.0	2488.7	0.627834 mg/L	0.627834 mg/L	09:03:11
2	Sb 206.836 At	21.2	32.2	0.009412 mg/L	0.009412 mg/L	09:03:11
2	Sc 361.383 At	2920.8	2992.4	0.002551 mg/L	0.002551 mg/L	09:02:51
2	Se 196.026 At	-25.3	-0.3	0.018524 mg/L	0.018524 mg/L	09:03:11
2	Sn 189.927 At	431.6	471.4	0.179014 mg/L	0.179014 mg/L	09:03:11
2	Ti 336.121 At	140121.7	144305.5	0.526012 mg/L	0.526012 mg/L	09:02:41
2	Tl 190.801 At	-16.1	-8.4	0.004537 mg/L	0.004537 mg/L	09:03:11
2	V 292.402 At	9379.0	9927.3	0.107390 mg/L	0.107390 mg/L	09:02:51
2	Zn 206.200 At	21429.2	21978.2	2.19927 mg/L	2.19927 mg/L	09:02:51

Mean Data: ME2QQ1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	178421.2	102.809	%	0.8963				0.87%
Lu 261.542 A	2363741.5	97.4980	%	0.14977				0.15%
Ag 328.068 At	-174.3	0.005639	mg/L	0.0000399	0.005639	mg/L	0.0000399	0.71%
Al 308.215 Rt	18386.7	18.8810	mg/L	0.23199	18.8810	mg/L	0.23199	1.23%
As 188.979 At	36.1	0.039960	mg/L	0.0015166	0.039960	mg/L	0.0015166	3.80%
B 249.677 Rt	94.1	0.049563	mg/L	0.0004480	0.049563	mg/L	0.0004480	0.90%
Ba 233.527 At	14324.4	0.328799	mg/L	0.0005067	0.328799	mg/L	0.0005067	0.15%
Be 313.107 Rt	371.7	0.002588	mg/L	0.0000877	0.002588	mg/L	0.0000877	3.39%
Bi 222.821 At	94.2	-0.041152	mg/L	0.0011680	-0.041152	mg/L	0.0011680	2.84%
Ca 315.887 Rt	156209.3	42.2188	mg/L	0.10955	42.2188	mg/L	0.10955	0.26%
Cd 226.502 At	1536.8	-0.000427	mg/L	0.0007174	-0.000427	mg/L	0.0007174	167.81%
Co 228.616 At	245.0	0.012082	mg/L	0.0003883	0.012082	mg/L	0.0003883	3.21%
Cr 267.716 At	15770.2	0.400092	mg/L	0.0011787	0.400092	mg/L	0.0011787	0.29%
Cu 324.752 At	77498.4	0.431183	mg/L	0.0004607	0.431183	mg/L	0.0004607	0.11%
Fe 273.955 Rt	152062.5	170.600	mg/L	0.0060	170.600	mg/L	0.0060	0.00%
Ga 417.206 At	3415.3	0.000076	mg/L	0.0000731	0.000076	mg/L	0.0000731	95.94%
K 766.490 Rt	4209.1	1.60946	mg/L	0.020600	1.60946	mg/L	0.020600	1.28%
La 379.478 At	10802.1	0.054790	mg/L	0.0000005	0.054790	mg/L	0.0000005	0.00%
Li 670.784 Rt	1579.2	0.016941	mg/L	0.0003528	0.016941	mg/L	0.0003528	2.08%
Mg 279.077 Rt	6387.6	12.2169	mg/L	0.19376	12.2169	mg/L	0.19376	1.59%
Mn 260.568 Rt	26557.4	1.92154	mg/L	0.026226	1.92154	mg/L	0.026226	1.36%
Mo 202.031 At	200.8	0.022746	mg/L	0.0006704	0.022746	mg/L	0.0006704	2.95%
Na 589.592 Rt	4248.6	0.538742	mg/L	0.0078782	0.538742	mg/L	0.0078782	1.46%
Ni 232.003 At	-33.4	0.154144	mg/L	0.0009889	0.154144	mg/L	0.0009889	0.64%
P 213.617 At	9549.6	5.60969	mg/L	0.015431	5.60969	mg/L	0.015431	0.28%
Pb 220.353 At	2491.1	0.628442	mg/L	0.0008605	0.628442	mg/L	0.0008605	0.14%
Sb 206.836 At	32.2	0.009406	mg/L	0.0000094	0.009406	mg/L	0.0000094	0.10%
Sc 361.383 At	3014.4	0.002569	mg/L	0.0000265	0.002569	mg/L	0.0000265	1.03%
Se 196.026 At	-4.4	0.009567	mg/L	0.0126675	0.009567	mg/L	0.0126675	132.41%
Si 251.611 Rt	9165.5	6.62542	mg/L	0.092857	6.62542	mg/L	0.092857	1.40%
SIO2 251.611 Rt	9165.5	14.1784	mg/L	0.19871	14.1784	mg/L	0.19871	1.40%
Sn 189.927 At	467.4	0.177522	mg/L	0.0021089	0.177522	mg/L	0.0021089	1.19%
Sr 421.552 Rt	90372.9	0.111598	mg/L	0.0003129	0.111598	mg/L	0.0003129	0.28%
Ti 336.121 At	144475.5	0.526634	mg/L	0.0008805	0.526634	mg/L	0.0008805	0.17%
Tl 190.801 At	-8.3	0.004653	mg/L	0.0001640	0.004653	mg/L	0.0001640	3.52%
V 292.402 At	9910.9	0.107189	mg/L	0.0002847	0.107189	mg/L	0.0002847	0.27%
Zn 206.200 At	21968.3	2.19828	mg/L	0.001408	2.19828	mg/L	0.001408	0.06%

Method: ILMO5 OPT5 Page 12 Date: 5/20/2009 9:09:12 AM

Sequence No.: 4
Sample ID: ME2QQ2
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 5/20/2009 9:04:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	177058.4	177058.4	102.024	%			09:06:48
1	Al 308.215 Rt	17451.4	17052.5	17.5082	mg/L	17.5082	mg/L	09:07:08
1	B 249.677 Rt	90.1	81.0	0.044661	mg/L	0.044661	mg/L	09:07:08
1	Be 313.107 Rt	470.5	361.5	0.002645	mg/L	0.002645	mg/L	09:07:08
1	Ca 315.887 Rt	188485.1	184802.3	49.9466	mg/L	49.9466	mg/L	09:06:48
1	Fe 273.955 Rt	480364.1	470817.0	528.223	mg/L	528.223	mg/L	09:06:48
1	K 766.490 Rt	5427.8	5011.6	1.91631	mg/L	1.91631	mg/L	09:07:08
1	Li 670.784 Rt	1282.6	1152.4	0.012362	mg/L	0.012362	mg/L	09:07:08
1	Mg 279.077 Rt	4560.4	4467.0	8.54361	mg/L	8.54361	mg/L	09:07:08
1	Mn 260.568 Rt	42107.1	41251.2	2.96843	mg/L	2.96843	mg/L	09:07:08
1	Na 589.592 Rt	5739.6	5545.6	0.703203	mg/L	0.703203	mg/L	09:07:08
1	Si 251.611 Rt	7518.4	7324.0	5.29018	mg/L	5.29018	mg/L	09:07:08
1	SIO2 251.611 Rt	7518.4	7324.0	11.3210	mg/L	11.3210	mg/L	09:07:08
1	Sr 421.552 Rt	120001.7	117430.4	0.145010	mg/L	0.145010	mg/L	09:06:48
1	Lu 261.542 A	2343778.2	2343778.2	96.6745	%			09:07:55
1	Ag 328.068 At	-1811.3	-1521.2	0.009562	mg/L	0.009562	mg/L	09:08:06
1	As 188.979 At	507.0	533.0	0.594487	mg/L	0.594487	mg/L	09:08:26
1	Ba 233.527 At	28933.6	29982.7	0.688215	mg/L	0.688215	mg/L	09:08:06
1	Bi 222.821 At	281.9	257.3	-0.101392	mg/L	-0.101392	mg/L	09:08:06
1	Cd 226.502 At	4556.3	4770.0	-0.000517	mg/L	-0.000517	mg/L	09:08:06
1	Co 228.616 At	1546.4	1686.4	0.090444	mg/L	0.090444	mg/L	09:08:26
1	Cr 267.716 At	69208.8	71426.4	1.81238	mg/L	1.81238	mg/L	09:08:06
1	Cu 324.752 At	1419950.3	1466234.7	8.15933	mg/L	8.15933	mg/L	09:07:55
1	Ga 417.206 At	9385.2	9783.4	-0.004980	mg/L	-0.004980	mg/L	09:08:06
1	La 379.478 At	23860.4	25146.2	0.127545	mg/L	0.127545	mg/L	09:07:55
1	Mo 202.031 At	1566.6	1590.3	0.197561	mg/L	0.197561	mg/L	09:08:06
1	Ni 232.003 At	11206.9	11678.1	1.58230	mg/L	1.58230	mg/L	09:08:06
1	P 213.617 At	6196.5	6476.2	3.72832	mg/L	3.72832	mg/L	09:08:06
1	Pb 220.353 At	24584.0	25387.4	6.47180	mg/L	6.47180	mg/L	09:08:06
1	Sb 206.836 At	233.7	252.2	0.113610	mg/L	0.113610	mg/L	09:08:26
1	Sc 361.383 At	3035.6	3133.4	0.002671	mg/L	0.002671	mg/L	09:08:06
1	Se 196.026 At	-56.2	-32.5	-0.006540	mg/L	-0.006540	mg/L	09:08:26
1	Sn 189.927 At	11383.6	11803.3	4.48258	mg/L	4.48258	mg/L	09:08:06
1	Ti 336.121 At	142412.8	147743.3	0.538564	mg/L	0.538564	mg/L	09:08:06
1	Tl 190.801 At	-29.7	-22.6	0.010006	mg/L	0.010006	mg/L	09:08:26
1	V 292.402 At	10816.6	11485.8	0.106065	mg/L	0.106065	mg/L	09:08:06
1	Zn 206.200 At	40136.7	41492.6	4.15191	mg/L	4.15191	mg/L	09:08:06
2	Lu 261.542 R	177826.1	177826.1	102.466	%			09:07:18
2	Al 308.215 Rt	17229.8	16762.3	17.2101	mg/L	17.2101	mg/L	09:07:39
2	B 249.677 Rt	86.0	76.7	0.042429	mg/L	0.042429	mg/L	09:07:39
2	Be 313.107 Rt	464.2	353.3	0.002588	mg/L	0.002588	mg/L	09:07:39
2	Ca 315.887 Rt	188735.7	184249.3	49.7972	mg/L	49.7972	mg/L	09:07:18
2	Fe 273.955 Rt	480302.6	468724.4	525.875	mg/L	525.875	mg/L	09:07:18
2	K 766.490 Rt	5364.9	4927.2	1.88404	mg/L	1.88404	mg/L	09:07:39
2	Li 670.784 Rt	1273.0	1137.6	0.012204	mg/L	0.012204	mg/L	09:07:39
2	Mg 279.077 Rt	4534.8	4422.8	8.45892	mg/L	8.45892	mg/L	09:07:39
2	Mn 260.568 Rt	41661.6	40638.2	2.92397	mg/L	2.92397	mg/L	09:07:39
2	Na 589.592 Rt	5654.3	5438.1	0.689575	mg/L	0.689575	mg/L	09:07:39
2	Si 251.611 Rt	7452.5	7227.9	5.22065	mg/L	5.22065	mg/L	09:07:39
2	SIO2 251.611 Rt	7452.5	7227.9	11.1722	mg/L	11.1722	mg/L	09:07:39
2	Sr 421.552 Rt	119915.3	116838.3	0.144279	mg/L	0.144279	mg/L	09:07:18
2	Lu 261.542 A	2341440.3	2341440.3	96.5781	%			09:08:40
2	Ag 328.068 At	-1772.2	-1482.6	0.009733	mg/L	0.009733	mg/L	09:08:51
2	As 188.979 At	509.2	535.8	0.597662	mg/L	0.597662	mg/L	09:09:11
2	Ba 233.527 At	28867.0	29943.7	0.687319	mg/L	0.687319	mg/L	09:08:51
2	Bi 222.821 At	285.2	261.0	-0.096457	mg/L	-0.096457	mg/L	09:08:51
2	Cd 226.502 At	4588.8	4808.4	0.001218	mg/L	0.001218	mg/L	09:08:51
2	Co 228.616 At	1551.9	1693.8	0.090843	mg/L	0.090843	mg/L	09:09:11
2	Cr 267.716 At	69218.9	71508.4	1.81446	mg/L	1.81446	mg/L	09:08:51
2	Cu 324.752 At	1415618.6	1463216.0	8.14253	mg/L	8.14253	mg/L	09:08:40

Method: ILMO5 OPT5 Page 13 Date: 5/20/2009 9:09:14 AM

2	Ga 417.206 At	9437.3	9847.0	-0.003681 mg/L	-0.003681 mg/L	09:08:51
2	La 379.478 At	23700.1	25004.9	0.126828 mg/L	0.126828 mg/L	09:08:40
2	Mo 202.031 At	1572.8	1598.3	0.198543 mg/L	0.198543 mg/L	09:08:51
2	Ni 232.003 At	11299.3	11785.3	1.59010 mg/L	1.59010 mg/L	09:08:51
2	P 213.617 At	6148.7	6433.1	3.70286 mg/L	3.70286 mg/L	09:08:51
2	Pb 220.353 At	24608.0	25437.6	6.48485 mg/L	6.48485 mg/L	09:08:51
2	Sb 206.836 At	230.0	248.5	0.111601 mg/L	0.111601 mg/L	09:09:11
2	Sc 361.383 At	3009.2	3109.3	0.002650 mg/L	0.002650 mg/L	09:08:51
2	Se 196.026 At	-54.6	-30.9	-0.003345 mg/L	-0.003345 mg/L	09:09:11
2	Sn 189.927 At	11377.6	11808.9	4.48469 mg/L	4.48469 mg/L	09:08:51
2	Ti 336.121 At	142365.1	147840.9	0.538923 mg/L	0.538923 mg/L	09:08:51
2	Tl 190.801 At	-30.9	-23.9	0.008085 mg/L	0.008085 mg/L	09:09:11
2	V 292.402 At	10829.3	11510.1	0.106520 mg/L	0.106520 mg/L	09:08:51
2	Zn 206.200 At	39828.4	41214.8	4.12412 mg/L	4.12412 mg/L	09:08:51

Mean Data: ME2QQ2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	177442.3	102.245	%	0.3128				0.31%
Lu 261.542 A	2342609.2	96.6263	%	0.06819				0.07%
Ag 328.068 At	-1501.9	0.009648	mg/L	0.0001213	0.009648	mg/L	0.0001213	1.26%
Al 308.215 Rt	16907.4	17.3591	mg/L	0.21073	17.3591	mg/L	0.21073	1.21%
As 188.979 At	534.4	0.596074	mg/L	0.0022450	0.596074	mg/L	0.0022450	0.38%
B 249.677 Rt	78.9	0.043545	mg/L	0.0015780	0.043545	mg/L	0.0015780	3.62%
Ba 233.527 At	29963.2	0.687767	mg/L	0.0006335	0.687767	mg/L	0.0006335	0.09%
Be 313.107 Rt	357.4	0.002616	mg/L	0.0000401	0.002616	mg/L	0.0000401	1.53%
Bi 222.821 At	259.2	-0.098924	mg/L	0.0034902	-0.098924	mg/L	0.0034902	3.53%
Ca 315.887 Rt	184525.8	49.8719	mg/L	0.10568	49.8719	mg/L	0.10568	0.21%
Cd 226.502 At	4789.2	0.000351	mg/L	0.0012267	0.000351	mg/L	0.0012267	349.91%
Co 228.616 At	1690.1	0.090644	mg/L	0.0002818	0.090644	mg/L	0.0002818	0.31%
Cr 267.716 At	71467.4	1.81342	mg/L	0.001475	1.81342	mg/L	0.001475	0.08%
Cu 324.752 At	1464725.4	8.15093	mg/L	0.011878	8.15093	mg/L	0.011878	0.15%
Fe 273.955 Rt	469770.7	527.049	mg/L	1.6601	527.049	mg/L	1.6601	0.31%
Ga 417.206 At	9815.2	-0.004330	mg/L	0.0009188	-0.004330	mg/L	0.0009188	21.22%
K 766.490 Rt	4969.4	1.90018	mg/L	0.022823	1.90018	mg/L	0.022823	1.20%
La 379.478 At	25075.5	0.127187	mg/L	0.0005069	0.127187	mg/L	0.0005069	0.40%
Li 670.784 Rt	1145.0	0.012283	mg/L	0.0001121	0.012283	mg/L	0.0001121	0.91%
Mg 279.077 Rt	4444.9	8.50126	mg/L	0.059883	8.50126	mg/L	0.059883	0.70%
Mn 260.568 Rt	40944.7	2.94620	mg/L	0.031438	2.94620	mg/L	0.031438	1.07%
Mo 202.031 At	1594.3	0.198052	mg/L	0.0006939	0.198052	mg/L	0.0006939	0.35%
Na 589.592 Rt	5491.8	0.696389	mg/L	0.0096366	0.696389	mg/L	0.0096366	1.38%
Ni 232.003 At	11731.7	1.58620	mg/L	0.005514	1.58620	mg/L	0.005514	0.35%
P 213.617 At	6454.6	3.71559	mg/L	0.018001	3.71559	mg/L	0.018001	0.48%
Pb 220.353 At	25412.5	6.47832	mg/L	0.009228	6.47832	mg/L	0.009228	0.14%
Sb 206.836 At	250.4	0.112606	mg/L	0.0014203	0.112606	mg/L	0.0014203	1.26%
Sc 361.383 At	3121.3	0.002660	mg/L	0.0000146	0.002660	mg/L	0.0000146	0.55%
Se 196.026 At	-31.7	-0.004942	mg/L	0.0022591	-0.004942	mg/L	0.0022591	45.71%
Si 251.611 Rt	7275.9	5.25542	mg/L	0.049166	5.25542	mg/L	0.049166	0.94%
SIO2 251.611 Rt	7275.9	11.2466	mg/L	0.10521	11.2466	mg/L	0.10521	0.94%
Sn 189.927 At	11806.1	4.48363	mg/L	0.001487	4.48363	mg/L	0.001487	0.03%
Sr 421.552 Rt	117134.3	0.144644	mg/L	0.0005170	0.144644	mg/L	0.0005170	0.36%
Ti 336.121 At	147792.1	0.538744	mg/L	0.0002541	0.538744	mg/L	0.0002541	0.05%
Tl 190.801 At	-23.3	0.009045	mg/L	0.0013582	0.009045	mg/L	0.0013582	15.02%
V 292.402 At	11497.9	0.106292	mg/L	0.0003220	0.106292	mg/L	0.0003220	0.30%
Zn 206.200 At	41353.7	4.13802	mg/L	0.019651	4.13802	mg/L	0.019651	0.47%

Method: ILMO5 OPT5 Page 14 Date: 5/20/2009 9:15:06 AM

Sequence No.: 5
Sample ID: ME2QQ3
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 5/20/2009 9:10:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	177832.2	177832.2	102.470	%			09:12:47
1	Al 308.215 Rt	17357.4	16886.2	17.3405	mg/L	17.3405	mg/L	09:12:47
1	B 249.677 Rt	122.1	111.9	0.058386	mg/L	0.058386	mg/L	09:13:07
1	Be 313.107 Rt	477.7	366.4	0.002514	mg/L	0.002514	mg/L	09:13:07
1	Ca 315.887 Rt	160940.1	157117.2	42.4642	mg/L	42.4642	mg/L	09:12:47
1	Fe 273.955 Rt	42808.2	41757.9	46.8454	mg/L	46.8454	mg/L	09:12:47
1	K 766.490 Rt	3273.2	2885.8	1.10344	mg/L	1.10344	mg/L	09:12:47
1	Li 670.784 Rt	1496.2	1355.4	0.014540	mg/L	0.014540	mg/L	09:12:47
1	Mg 279.077 Rt	6187.8	6035.7	11.5439	mg/L	11.5439	mg/L	09:13:07
1	Mn 260.568 Rt	13852.0	13497.5	0.978938	mg/L	0.978938	mg/L	09:13:07
1	Na 589.592 Rt	9343.4	9038.0	1.14606	mg/L	1.14606	mg/L	09:12:47
1	Si 251.611 Rt	9456.0	9182.8	6.63668	mg/L	6.63668	mg/L	09:13:07
1	SIO2 251.611 Rt	9456.0	9182.8	14.2025	mg/L	14.2025	mg/L	09:13:07
1	Sr 421.552 Rt	118170.0	115131.0	0.142171	mg/L	0.142171	mg/L	09:12:47
1	Lu 261.542 A	2376650.3	2376650.3	98.0304	%			09:13:52
1	Ag 328.068 At	45.1	398.4	0.004543	mg/L	0.004543	mg/L	09:14:02
1	As 188.979 At	2.6	11.2	0.013525	mg/L	0.013525	mg/L	09:14:23
1	Ba 233.527 At	24831.0	25383.7	0.582650	mg/L	0.582650	mg/L	09:14:02
1	Bi 222.821 At	67.3	34.3	-0.002237	mg/L	-0.002237	mg/L	09:14:23
1	Cd 226.502 At	442.2	508.0	0.002536	mg/L	0.002536	mg/L	09:14:23
1	Co 228.616 At	78.4	166.8	0.007548	mg/L	0.007548	mg/L	09:14:23
1	Cr 267.716 At	4309.9	4233.5	0.107313	mg/L	0.107313	mg/L	09:14:02
1	Cu 324.752 At	42943.3	41246.4	0.229551	mg/L	0.229551	mg/L	09:14:02
1	Ga 417.206 At	1299.6	1401.1	0.003611	mg/L	0.003611	mg/L	09:14:02
1	La 379.478 At	7287.5	7899.0	0.040065	mg/L	0.040065	mg/L	09:14:02
1	Mo 202.031 At	138.4	111.0	0.009852	mg/L	0.009852	mg/L	09:14:23
1	Ni 232.003 At	-18.5	66.8	0.050615	mg/L	0.050615	mg/L	09:14:02
1	P 213.617 At	8759.6	9002.1	5.25201	mg/L	5.25201	mg/L	09:14:02
1	Pb 220.353 At	3537.6	3566.4	0.912917	mg/L	0.912917	mg/L	09:14:02
1	Sb 206.836 At	13.2	23.9	0.010985	mg/L	0.010985	mg/L	09:14:23
1	Sc 361.383 At	4794.2	4883.9	0.004163	mg/L	0.004163	mg/L	09:14:02
1	Se 196.026 At	-27.9	-2.8	-0.001660	mg/L	-0.001660	mg/L	09:14:23
1	Sn 189.927 At	81.0	110.8	0.042082	mg/L	0.042082	mg/L	09:14:23
1	Ti 336.121 At	173775.8	177698.9	0.647894	mg/L	0.647894	mg/L	09:13:52
1	Tl 190.801 At	-11.1	-3.3	0.001130	mg/L	0.001130	mg/L	09:14:23
1	V 292.402 At	5510.7	5918.5	0.067204	mg/L	0.067204	mg/L	09:14:02
1	Zn 206.200 At	12109.7	12328.3	1.23359	mg/L	1.23359	mg/L	09:14:02
2	Lu 261.542 R	177608.2	177608.2	102.341	%			09:13:18
2	Al 308.215 Rt	17327.1	16878.0	17.3320	mg/L	17.3320	mg/L	09:13:18
2	B 249.677 Rt	123.4	113.4	0.059150	mg/L	0.059150	mg/L	09:13:38
2	Be 313.107 Rt	472.5	361.9	0.002483	mg/L	0.002483	mg/L	09:13:38
2	Ca 315.887 Rt	160450.6	156837.0	42.3884	mg/L	42.3884	mg/L	09:13:18
2	Fe 273.955 Rt	42700.3	41705.1	46.7861	mg/L	46.7861	mg/L	09:13:18
2	K 766.490 Rt	3254.6	2871.6	1.09803	mg/L	1.09803	mg/L	09:13:18
2	Li 670.784 Rt	1477.0	1338.5	0.014359	mg/L	0.014359	mg/L	09:13:18
2	Mg 279.077 Rt	6159.0	6015.2	11.5046	mg/L	11.5046	mg/L	09:13:38
2	Mn 260.568 Rt	13764.4	13429.0	0.973954	mg/L	0.973954	mg/L	09:13:38
2	Na 589.592 Rt	9314.1	9020.9	1.14389	mg/L	1.14389	mg/L	09:13:18
2	Si 251.611 Rt	9408.7	9148.3	6.61169	mg/L	6.61169	mg/L	09:13:38
2	SIO2 251.611 Rt	9408.7	9148.3	14.1490	mg/L	14.1490	mg/L	09:13:38
2	Sr 421.552 Rt	117783.4	114898.7	0.141884	mg/L	0.141884	mg/L	09:13:18
2	Lu 261.542 A	2366453.2	2366453.2	97.6098	%			09:14:34
2	Ag 328.068 At	65.4	419.4	0.004685	mg/L	0.004685	mg/L	09:14:45
2	As 188.979 At	3.5	12.2	0.014583	mg/L	0.014583	mg/L	09:15:05
2	Ba 233.527 At	25038.5	25705.5	0.590037	mg/L	0.590037	mg/L	09:14:45
2	Bi 222.821 At	62.9	30.1	-0.006104	mg/L	-0.006104	mg/L	09:15:05
2	Cd 226.502 At	437.7	505.4	0.002473	mg/L	0.002473	mg/L	09:15:05
2	Co 228.616 At	80.1	169.0	0.007669	mg/L	0.007669	mg/L	09:15:05
2	Cr 267.716 At	4326.6	4269.5	0.108228	mg/L	0.108228	mg/L	09:14:45
2	Cu 324.752 At	43069.5	41564.5	0.231320	mg/L	0.231320	mg/L	09:14:45

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2	Ga 417.206 At	1285.2	1392.0	0.003521 mg/L	0.003521 mg/L	09:14:45
2	La 379.478 At	7335.2	7979.8	0.040475 mg/L	0.040475 mg/L	09:14:45
2	Mo 202.031 At	138.0	111.2	0.009885 mg/L	0.009885 mg/L	09:15:05
2	Ni 232.003 At	-27.7	57.3	0.049606 mg/L	0.049606 mg/L	09:14:45
2	P 213.617 At	8820.3	9102.7	5.31045 mg/L	5.31045 mg/L	09:14:45
2	Pb 220.353 At	3547.3	3591.9	0.919457 mg/L	0.919457 mg/L	09:14:45
2	Sb 206.836 At	9.0	19.6	0.008558 mg/L	0.008558 mg/L	09:15:05
2	Sc 361.383 At	4853.0	4965.3	0.004232 mg/L	0.004232 mg/L	09:14:45
2	Se 196.026 At	-23.1	2.0	0.008708 mg/L	0.008708 mg/L	09:15:05
2	Sn 189.927 At	75.9	105.9	0.040230 mg/L	0.040230 mg/L	09:15:05
2	Ti 336.121 At	172642.4	177301.5	0.646446 mg/L	0.646446 mg/L	09:14:34
2	Tl 190.801 At	-14.7	-7.0	-0.003493 mg/L	-0.003493 mg/L	09:15:05
2	V 292.402 At	5591.5	6025.6	0.068484 mg/L	0.068484 mg/L	09:14:45
2	Zn 206.200 At	12228.0	12502.7	1.25105 mg/L	1.25105 mg/L	09:14:45

Mean Data: ME2QQ3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	177720.2	102.405	%	0.0913				0.09%
Lu 261.542 A	2371551.7	97.8201	%	0.29741				0.30%
Ag 328.068 At	408.9	0.004614	mg/L	0.0001007	0.004614	mg/L	0.0001007	2.18%
Al 308.215 Rt	16882.1	17.3363	mg/L	0.00597	17.3363	mg/L	0.00597	0.03%
As 188.979 At	11.7	0.014054	mg/L	0.0007480	0.014054	mg/L	0.0007480	5.32%
B 249.677 Rt	112.6	0.058768	mg/L	0.0005405	0.058768	mg/L	0.0005405	0.92%
Ba 233.527 At	25544.6	0.586344	mg/L	0.0052231	0.586344	mg/L	0.0052231	0.89%
Be 313.107 Rt	364.1	0.002498	mg/L	0.0000221	0.002498	mg/L	0.0000221	0.88%
Bi 222.821 At	32.2	-0.004171	mg/L	0.0027343	-0.004171	mg/L	0.0027343	65.56%
Ca 315.887 Rt	156977.1	42.4263	mg/L	0.05355	42.4263	mg/L	0.05355	0.13%
Cd 226.502 At	506.7	0.002504	mg/L	0.0000440	0.002504	mg/L	0.0000440	1.76%
Co 228.616 At	167.9	0.007609	mg/L	0.0000854	0.007609	mg/L	0.0000854	1.12%
Cr 267.716 At	4251.5	0.107770	mg/L	0.0006469	0.107770	mg/L	0.0006469	0.60%
Cu 324.752 At	41405.5	0.230436	mg/L	0.0012510	0.230436	mg/L	0.0012510	0.54%
Fe 273.955 Rt	41731.5	46.8157	mg/L	0.04189	46.8157	mg/L	0.04189	0.09%
Ga 417.206 At	1396.5	0.003566	mg/L	0.0000636	0.003566	mg/L	0.0000636	1.78%
K 766.490 Rt	2878.7	1.10074	mg/L	0.003829	1.10074	mg/L	0.003829	0.35%
La 379.478 At	7939.4	0.040270	mg/L	0.0002900	0.040270	mg/L	0.0002900	0.72%
Li 670.784 Rt	1347.0	0.014449	mg/L	0.0001285	0.014449	mg/L	0.0001285	0.89%
Mg 279.077 Rt	6025.5	11.5242	mg/L	0.02779	11.5242	mg/L	0.02779	0.24%
Mn 260.568 Rt	13463.2	0.976446	mg/L	0.0035242	0.976446	mg/L	0.0035242	0.36%
Mo 202.031 At	111.1	0.009868	mg/L	0.0000228	0.009868	mg/L	0.0000228	0.23%
Na 589.592 Rt	9029.5	1.14498	mg/L	0.001533	1.14498	mg/L	0.001533	0.13%
Ni 232.003 At	62.0	0.050110	mg/L	0.0007131	0.050110	mg/L	0.0007131	1.42%
P 213.617 At	9052.4	5.28123	mg/L	0.041327	5.28123	mg/L	0.041327	0.78%
Pb 220.353 At	3579.1	0.916187	mg/L	0.0046243	0.916187	mg/L	0.0046243	0.50%
Sb 206.836 At	21.8	0.009771	mg/L	0.0017161	0.009771	mg/L	0.0017161	17.56%
Sc 361.383 At	4924.6	0.004197	mg/L	0.0000490	0.004197	mg/L	0.0000490	1.17%
Se 196.026 At	-0.4	0.003524	mg/L	0.0073307	0.003524	mg/L	0.0073307	208.02%
Si 251.611 Rt	9165.5	6.62419	mg/L	0.017674	6.62419	mg/L	0.017674	0.27%
SIO2 251.611 Rt	9165.5	14.1758	mg/L	0.03782	14.1758	mg/L	0.03782	0.27%
Sn 189.927 At	108.4	0.041156	mg/L	0.0013096	0.041156	mg/L	0.0013096	3.18%
Sr 421.552 Rt	115014.9	0.142027	mg/L	0.0002029	0.142027	mg/L	0.0002029	0.14%
Ti 336.121 At	177500.2	0.647170	mg/L	0.0010244	0.647170	mg/L	0.0010244	0.16%
Tl 190.801 At	-5.1	-0.001181	mg/L	0.0032695	-0.001181	mg/L	0.0032695	276.72%
V 292.402 At	5972.0	0.067844	mg/L	0.0009051	0.067844	mg/L	0.0009051	1.33%
Zn 206.200 At	12415.5	1.24232	mg/L	0.012342	1.24232	mg/L	0.012342	0.99%

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Sequence No.: 6
Sample ID: ME2QQ4
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 5/20/2009 9:16:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ4

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	172965.3	172965.3	99.6652	%			09:18:39
1	Al 308.215 Rt	40648.3	40732.0	41.8285	mg/L	41.8285	mg/L	09:18:39
1	B 249.677 Rt	76.3	69.3	0.036993	mg/L	0.036993	mg/L	09:19:00
1	Be 313.107 Rt	804.7	707.6	0.004918	mg/L	0.004918	mg/L	09:19:00
1	Ca 315.887 Rt	277368.0	278355.6	75.2313	mg/L	75.2313	mg/L	09:18:39
1	Fe 273.955 Rt	695215.3	697531.9	782.576	mg/L	782.576	mg/L	09:18:39
1	K 766.490 Rt	8194.9	7913.9	3.02605	mg/L	3.02605	mg/L	09:19:00
1	Li 670.784 Rt	3277.5	3183.8	0.034154	mg/L	0.034154	mg/L	09:19:00
1	Mg 279.077 Rt	11933.3	11970.4	22.8945	mg/L	22.8945	mg/L	09:19:00
1	Mn 260.568 Rt	101303.2	101622.8	7.34543	mg/L	7.34543	mg/L	09:18:39
1	Na 589.592 Rt	2702.0	2630.9	0.333608	mg/L	0.333608	mg/L	09:19:00
1	Si 251.611 Rt	19235.1	19254.4	13.9194	mg/L	13.9194	mg/L	09:19:00
1	SIO2 251.611 Rt	19235.1	19254.4	29.7875	mg/L	29.7875	mg/L	09:19:00
1	Sr 421.552 Rt	84534.4	84627.3	0.104503	mg/L	0.104503	mg/L	09:18:39
1	Lu 261.542 A	2304161.0	2304161.0	95.0404	%			09:19:46
1	Ag 328.068 At	-3168.1	-2981.0	0.010879	mg/L	0.010879	mg/L	09:19:57
1	As 188.979 At	171.0	188.5	0.207886	mg/L	0.207886	mg/L	09:20:17
1	Ba 233.527 At	19199.4	20255.1	0.464930	mg/L	0.464930	mg/L	09:19:57
1	Bi 222.821 At	383.9	369.6	-0.228184	mg/L	-0.228184	mg/L	09:20:17
1	Cd 226.502 At	7462.0	7908.3	0.021878	mg/L	0.021878	mg/L	09:19:57
1	Co 228.616 At	745.6	871.4	0.044906	mg/L	0.044906	mg/L	09:20:17
1	Cr 267.716 At	26343.6	27555.2	0.698822	mg/L	0.698822	mg/L	09:19:57
1	Cu 324.752 At	137449.7	142062.6	0.789749	mg/L	0.789749	mg/L	09:19:57
1	Ga 417.206 At	14906.4	15759.6	0.006831	mg/L	0.006831	mg/L	09:19:57
1	La 379.478 At	40391.4	42964.1	0.217920	mg/L	0.217920	mg/L	09:19:46
1	Mo 202.031 At	226.9	208.6	0.028881	mg/L	0.028881	mg/L	09:19:57
1	Ni 232.003 At	-4823.0	-4989.0	0.277275	mg/L	0.277275	mg/L	09:19:57
1	P 213.617 At	5249.7	5590.1	3.53633	mg/L	3.53633	mg/L	09:20:17
1	Pb 220.353 At	8699.6	9111.3	2.28601	mg/L	2.28601	mg/L	09:20:17
1	Sb 206.836 At	129.8	147.0	0.052430	mg/L	0.052430	mg/L	09:20:17
1	Sc 361.383 At	10764.7	11319.9	0.009648	mg/L	0.009648	mg/L	09:19:57
1	Se 196.026 At	-72.5	-50.7	-0.017916	mg/L	-0.017916	mg/L	09:20:17
1	Sn 189.927 At	1088.9	1173.9	0.445819	mg/L	0.445819	mg/L	09:20:17
1	Ti 336.121 At	274410.1	289161.5	1.05415	mg/L	1.05415	mg/L	09:19:57
1	Tl 190.801 At	-50.5	-45.0	0.009803	mg/L	0.009803	mg/L	09:20:17
1	V 292.402 At	16312.1	17460.4	0.156690	mg/L	0.156690	mg/L	09:19:57
1	Zn 206.200 At	77645.6	81672.7	8.17304	mg/L	8.17304	mg/L	09:19:57
2	Lu 261.542 R	174087.6	174087.6	100.312	%			09:19:10
2	Al 308.215 Rt	41011.5	40831.2	41.9304	mg/L	41.9304	mg/L	09:19:10
2	B 249.677 Rt	69.9	62.4	0.033424	mg/L	0.033424	mg/L	09:19:31
2	Be 313.107 Rt	805.7	703.5	0.004889	mg/L	0.004889	mg/L	09:19:31
2	Ca 315.887 Rt	278846.4	278035.4	75.1448	mg/L	75.1448	mg/L	09:19:10
2	Fe 273.955 Rt	700213.3	698017.7	783.122	mg/L	783.122	mg/L	09:19:10
2	K 766.490 Rt	8205.1	7871.1	3.00971	mg/L	3.00971	mg/L	09:19:31
2	Li 670.784 Rt	3266.1	3151.2	0.033804	mg/L	0.033804	mg/L	09:19:31
2	Mg 279.077 Rt	11966.1	11926.0	22.8095	mg/L	22.8095	mg/L	09:19:31
2	Mn 260.568 Rt	102127.0	101788.8	7.35748	mg/L	7.35748	mg/L	09:19:10
2	Na 589.592 Rt	2698.8	2610.3	0.330994	mg/L	0.330994	mg/L	09:19:31
2	Si 251.611 Rt	19247.4	19142.3	13.8383	mg/L	13.8383	mg/L	09:19:31
2	SIO2 251.611 Rt	19247.4	19142.3	29.6140	mg/L	29.6140	mg/L	09:19:31
2	Sr 421.552 Rt	85279.6	84823.5	0.104745	mg/L	0.104745	mg/L	09:19:10
2	Lu 261.542 A	2315336.4	2315336.4	95.5014	%			09:20:30
2	Ag 328.068 At	-3116.3	-2910.6	0.011396	mg/L	0.011396	mg/L	09:20:41
2	As 188.979 At	171.7	188.4	0.207717	mg/L	0.207717	mg/L	09:21:01
2	Ba 233.527 At	19296.5	20259.3	0.465026	mg/L	0.465026	mg/L	09:20:41
2	Bi 222.821 At	376.9	360.4	-0.237084	mg/L	-0.237084	mg/L	09:21:01
2	Cd 226.502 At	7410.9	7817.0	0.019097	mg/L	0.019097	mg/L	09:20:41
2	Co 228.616 At	744.0	866.0	0.044630	mg/L	0.044630	mg/L	09:21:01
2	Cr 267.716 At	26332.3	27409.6	0.695125	mg/L	0.695125	mg/L	09:20:41
2	Cu 324.752 At	136721.7	140602.3	0.781618	mg/L	0.781618	mg/L	09:20:41

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2	Ga 417.206 At	14712.6	15481.0	0.003387 mg/L	0.003387 mg/L	09:20:41
2	La 379.478 At	40427.0	42796.3	0.217069 mg/L	0.217069 mg/L	09:20:30
2	Mo 202.031 At	244.5	225.8	0.031027 mg/L	0.031027 mg/L	09:20:41
2	Ni 232.003 At	-4781.3	-4920.9	0.284444 mg/L	0.284444 mg/L	09:20:41
2	P 213.617 At	5239.9	5553.2	3.51526 mg/L	3.51526 mg/L	09:21:01
2	Pb 220.353 At	8702.7	9070.3	2.27545 mg/L	2.27545 mg/L	09:21:01
2	Sb 206.836 At	128.1	144.6	0.051097 mg/L	0.051097 mg/L	09:21:01
2	Sc 361.383 At	10723.0	11221.6	0.009565 mg/L	0.009565 mg/L	09:20:41
2	Se 196.026 At	-80.2	-58.3	-0.034288 mg/L	-0.034288 mg/L	09:21:01
2	Sn 189.927 At	1092.4	1172.1	0.445130 mg/L	0.445130 mg/L	09:21:01
2	Ti 336.121 At	273650.8	286972.8	1.04617 mg/L	1.04617 mg/L	09:20:41
2	Tl 190.801 At	-44.7	-38.7	0.017702 mg/L	0.017702 mg/L	09:21:01
2	V 292.402 At	16293.0	17357.6	0.155444 mg/L	0.155444 mg/L	09:20:41
2	Zn 206.200 At	78178.5	81836.4	8.18943 mg/L	8.18943 mg/L	09:20:41

Mean Data: ME2QQ4

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	173526.4	99.9885	%	0.45725				0.46%
Lu 261.542 A	2309748.7	95.2709	%	0.32595				0.34%
Ag 328.068 At	-2945.8	0.011137	mg/L	0.0003655	0.011137	mg/L	0.0003655	3.28%
Al 308.215 Rt	40781.6	41.8795	mg/L	0.07207	41.8795	mg/L	0.07207	0.17%
As 188.979 At	188.5	0.207802	mg/L	0.0001197	0.207802	mg/L	0.0001197	0.06%
B 249.677 Rt	65.8	0.035208	mg/L	0.0025237	0.035208	mg/L	0.0025237	7.17%
Ba 233.527 At	20257.2	0.464978	mg/L	0.0000675	0.464978	mg/L	0.0000675	0.01%
Be 313.107 Rt	705.5	0.004903	mg/L	0.0000203	0.004903	mg/L	0.0000203	0.41%
Bi 222.821 At	365.0	-0.232634	mg/L	0.0062933	-0.232634	mg/L	0.0062933	2.71%
Ca 315.887 Rt	278195.5	75.1881	mg/L	0.06120	75.1881	mg/L	0.06120	0.08%
Cd 226.502 At	7862.6	0.020487	mg/L	0.0019664	0.020487	mg/L	0.0019664	9.60%
Co 228.616 At	868.7	0.044768	mg/L	0.0001948	0.044768	mg/L	0.0001948	0.44%
Cr 267.716 At	27482.4	0.696973	mg/L	0.0026138	0.696973	mg/L	0.0026138	0.38%
Cu 324.752 At	141332.5	0.785683	mg/L	0.0057501	0.785683	mg/L	0.0057501	0.73%
Fe 273.955 Rt	697774.8	782.849	mg/L	0.3855	782.849	mg/L	0.3855	0.05%
Ga 417.206 At	15620.3	0.005109	mg/L	0.0024351	0.005109	mg/L	0.0024351	47.66%
K 766.490 Rt	7892.5	3.01788	mg/L	0.011558	3.01788	mg/L	0.011558	0.38%
La 379.478 At	42880.2	0.217495	mg/L	0.0006019	0.217495	mg/L	0.0006019	0.28%
Li 670.784 Rt	3167.5	0.033979	mg/L	0.0002474	0.033979	mg/L	0.0002474	0.73%
Mg 279.077 Rt	11948.2	22.8520	mg/L	0.06011	22.8520	mg/L	0.06011	0.26%
Mn 260.568 Rt	101705.8	7.35146	mg/L	0.008522	7.35146	mg/L	0.008522	0.12%
Mo 202.031 At	217.2	0.029954	mg/L	0.0015177	0.029954	mg/L	0.0015177	5.07%
Na 589.592 Rt	2620.6	0.332301	mg/L	0.0018485	0.332301	mg/L	0.0018485	0.56%
Ni 232.003 At	-4954.9	0.280860	mg/L	0.0050695	0.280860	mg/L	0.0050695	1.80%
P 213.617 At	5571.6	3.52579	mg/L	0.014904	3.52579	mg/L	0.014904	0.42%
Pb 220.353 At	9090.8	2.28073	mg/L	0.007461	2.28073	mg/L	0.007461	0.33%
Sb 206.836 At	145.8	0.051763	mg/L	0.0009426	0.051763	mg/L	0.0009426	1.82%
Sc 361.383 At	11270.8	0.009607	mg/L	0.0000592	0.009607	mg/L	0.0000592	0.62%
Se 196.026 At	-54.5	-0.026102	mg/L	0.0115767	-0.026102	mg/L	0.0115767	44.35%
Si 251.611 Rt	19198.4	13.8789	mg/L	0.05731	13.8789	mg/L	0.05731	0.41%
SIO2 251.611 Rt	19198.4	29.7008	mg/L	0.12264	29.7008	mg/L	0.12264	0.41%
Sn 189.927 At	1173.0	0.445475	mg/L	0.0004873	0.445475	mg/L	0.0004873	0.11%
Sr 421.552 Rt	84725.4	0.104624	mg/L	0.0001713	0.104624	mg/L	0.0001713	0.16%
Ti 336.121 At	288067.2	1.05016	mg/L	0.005646	1.05016	mg/L	0.005646	0.54%
Tl 190.801 At	-41.8	0.013753	mg/L	0.0055852	0.013753	mg/L	0.0055852	40.61%
V 292.402 At	17409.0	0.156067	mg/L	0.0008810	0.156067	mg/L	0.0008810	0.56%
Zn 206.200 At	81754.6	8.18123	mg/L	0.011588	8.18123	mg/L	0.011588	0.14%

Sequence No.: 7
Sample ID: ME2QQ5
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 5/20/2009 9:22:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	176697.1	176697.1	101.816	%			09:24:43
1	Al 308.215 Rt	15490.0	15161.0	15.5691	mg/L	15.5691	mg/L	09:24:43
1	B 249.677 Rt	99.4	90.4	0.047168	mg/L	0.047168	mg/L	09:25:03
1	Be 313.107 Rt	355.2	249.1	0.001707	mg/L	0.001707	mg/L	09:25:03
1	Ca 315.887 Rt	119427.3	117353.6	31.7172	mg/L	31.7172	mg/L	09:24:43
1	Fe 273.955 Rt	55702.4	54690.5	61.3553	mg/L	61.3553	mg/L	09:24:43
1	K 766.490 Rt	2699.9	2343.3	0.896006	mg/L	0.896006	mg/L	09:24:43
1	Li 670.784 Rt	1233.3	1106.6	0.011871	mg/L	0.011871	mg/L	09:24:43
1	Mg 279.077 Rt	1850.1	1814.2	3.46990	mg/L	3.46990	mg/L	09:25:03
1	Mn 260.568 Rt	10674.3	10463.3	0.757473	mg/L	0.757473	mg/L	09:25:03
1	Na 589.592 Rt	2532.9	2407.6	0.305288	mg/L	0.305288	mg/L	09:24:43
1	Si 251.611 Rt	9885.3	9663.7	6.98684	mg/L	6.98684	mg/L	09:25:03
1	SIO2 251.611 Rt	9885.3	9663.7	14.9518	mg/L	14.9518	mg/L	09:25:03
1	Sr 421.552 Rt	45261.7	44263.7	0.054659	mg/L	0.054659	mg/L	09:24:43
1	Lu 261.542 A	2365660.7	2365660.7	97.5771	%			09:25:47
1	Ag 328.068 At	-477.4	-136.9	0.001423	mg/L	0.001423	mg/L	09:25:58
1	As 188.979 At	26.3	35.6	0.040505	mg/L	0.040505	mg/L	09:26:18
1	Ba 233.527 At	11133.8	11464.1	0.263143	mg/L	0.263143	mg/L	09:25:58
1	Bi 222.821 At	58.9	26.1	-0.020511	mg/L	-0.020511	mg/L	09:26:18
1	Cd 226.502 At	467.7	536.3	-0.000447	mg/L	-0.000447	mg/L	09:26:18
1	Co 228.616 At	35.9	123.7	0.005618	mg/L	0.005618	mg/L	09:26:18
1	Cr 267.716 At	3296.2	3214.9	0.081526	mg/L	0.081526	mg/L	09:25:58
1	Cu 324.752 At	26160.4	24250.3	0.134996	mg/L	0.134996	mg/L	09:25:58
1	Ga 417.206 At	1443.4	1554.6	0.002840	mg/L	0.002840	mg/L	09:25:58
1	La 379.478 At	5552.8	6155.7	0.031222	mg/L	0.031222	mg/L	09:25:58
1	Mo 202.031 At	104.6	77.1	0.005935	mg/L	0.005935	mg/L	09:26:18
1	Ni 232.003 At	-101.8	-18.6	0.056869	mg/L	0.056869	mg/L	09:25:58
1	P 213.617 At	2735.8	2870.2	1.69363	mg/L	1.69363	mg/L	09:25:58
1	Pb 220.353 At	1555.0	1551.3	0.395128	mg/L	0.395128	mg/L	09:26:18
1	Sb 206.836 At	22.7	33.7	0.016412	mg/L	0.016412	mg/L	09:26:18
1	Sc 361.383 At	3788.8	3876.3	0.003304	mg/L	0.003304	mg/L	09:25:58
1	Se 196.026 At	-30.5	-5.6	-0.004710	mg/L	-0.004710	mg/L	09:26:18
1	Sn 189.927 At	90.1	120.5	0.045776	mg/L	0.045776	mg/L	09:26:18
1	Ti 336.121 At	125869.6	129426.6	0.471985	mg/L	0.471985	mg/L	09:25:58
1	Tl 190.801 At	-11.5	-3.7	0.000902	mg/L	0.000902	mg/L	09:26:18
1	V 292.402 At	5075.1	5498.2	0.061270	mg/L	0.061270	mg/L	09:25:58
1	Zn 206.200 At	10337.5	10569.4	1.05760	mg/L	1.05760	mg/L	09:25:58
2	Lu 261.542 R	175633.1	175633.1	101.202	%			09:25:14
2	Al 308.215 Rt	15442.3	15206.0	15.6154	mg/L	15.6154	mg/L	09:25:14
2	B 249.677 Rt	97.1	88.7	0.046282	mg/L	0.046282	mg/L	09:25:34
2	Be 313.107 Rt	349.2	245.3	0.001680	mg/L	0.001680	mg/L	09:25:34
2	Ca 315.887 Rt	118864.5	117508.1	31.7590	mg/L	31.7590	mg/L	09:25:14
2	Fe 273.955 Rt	55383.4	54706.7	61.3735	mg/L	61.3735	mg/L	09:25:14
2	K 766.490 Rt	2664.6	2324.5	0.888813	mg/L	0.888813	mg/L	09:25:14
2	Li 670.784 Rt	1173.7	1055.1	0.011318	mg/L	0.011318	mg/L	09:25:14
2	Mg 279.077 Rt	1841.6	1816.8	3.47484	mg/L	3.47484	mg/L	09:25:34
2	Mn 260.568 Rt	10560.3	10414.2	0.753898	mg/L	0.753898	mg/L	09:25:34
2	Na 589.592 Rt	2509.6	2399.7	0.304291	mg/L	0.304291	mg/L	09:25:14
2	Si 251.611 Rt	9811.6	9649.8	6.97670	mg/L	6.97670	mg/L	09:25:34
2	SIO2 251.611 Rt	9811.6	9649.8	14.9301	mg/L	14.9301	mg/L	09:25:34
2	Sr 421.552 Rt	44869.1	44145.0	0.054513	mg/L	0.054513	mg/L	09:25:14
2	Lu 261.542 A	2360520.0	2360520.0	97.3651	%			09:26:29
2	Ag 328.068 At	-489.5	-150.4	0.001322	mg/L	0.001322	mg/L	09:26:40
2	As 188.979 At	29.2	38.6	0.043914	mg/L	0.043914	mg/L	09:27:00
2	Ba 233.527 At	11088.5	11442.4	0.262645	mg/L	0.262645	mg/L	09:26:40
2	Bi 222.821 At	72.1	39.7	-0.007932	mg/L	-0.007932	mg/L	09:27:00
2	Cd 226.502 At	451.5	520.7	-0.000902	mg/L	-0.000902	mg/L	09:27:00
2	Co 228.616 At	37.8	125.7	0.005722	mg/L	0.005722	mg/L	09:27:00
2	Cr 267.716 At	3322.0	3248.8	0.082387	mg/L	0.082387	mg/L	09:26:40
2	Cu 324.752 At	26029.6	24174.3	0.134574	mg/L	0.134574	mg/L	09:26:40

Method: ILMO5 OPT5 Page 19 Date: 5/20/2009 9:27:03 AM

2	Ga 417.206 At	1437.3	1551.5	0.002791 mg/L	0.002791 mg/L	09:26:40
2	La 379.478 At	5547.4	6162.6	0.031257 mg/L	0.031257 mg/L	09:26:40
2	Mo 202.031 At	105.0	77.7	0.006013 mg/L	0.006013 mg/L	09:27:00
2	Ni 232.003 At	-99.7	-16.7	0.057032 mg/L	0.057032 mg/L	09:26:40
2	P 213.617 At	2745.6	2886.3	1.70307 mg/L	1.70307 mg/L	09:26:40
2	Pb 220.353 At	1562.6	1562.6	0.398024 mg/L	0.398024 mg/L	09:27:00
2	Sb 206.836 At	21.8	32.8	0.015908 mg/L	0.015908 mg/L	09:27:00
2	Sc 361.383 At	3803.5	3899.9	0.003324 mg/L	0.003324 mg/L	09:26:40
2	Se 196.026 At	-25.2	-0.3	0.006861 mg/L	0.006861 mg/L	09:27:00
2	Sn 189.927 At	91.4	122.0	0.046348 mg/L	0.046348 mg/L	09:27:00
2	Ti 336.121 At	126078.6	129922.2	0.473793 mg/L	0.473793 mg/L	09:26:40
2	Tl 190.801 At	-10.4	-2.6	0.002194 mg/L	0.002194 mg/L	09:27:00
2	V 292.402 At	5109.8	5545.2	0.061829 mg/L	0.061829 mg/L	09:26:40
2	Zn 206.200 At	10341.5	10596.6	1.06033 mg/L	1.06033 mg/L	09:26:40

Mean Data: ME2QQ5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	176165.1	101.509	%	0.4335				0.43%
Lu 261.542 A	2363090.3	97.4711	%	0.14993				0.15%
Ag 328.068 At	-143.6	0.001373	mg/L	0.0000715	0.001373	mg/L	0.0000715	5.20%
Al 308.215 Rt	15183.5	15.5922	mg/L	0.03270	15.5922	mg/L	0.03270	0.21%
As 188.979 At	37.1	0.042210	mg/L	0.0024104	0.042210	mg/L	0.0024104	5.71%
B 249.677 Rt	89.6	0.046725	mg/L	0.0006266	0.046725	mg/L	0.0006266	1.34%
Ba 233.527 At	11453.2	0.262894	mg/L	0.0003521	0.262894	mg/L	0.0003521	0.13%
Be 313.107 Rt	247.2	0.001694	mg/L	0.0000190	0.001694	mg/L	0.0000190	1.12%
Bi 222.821 At	32.9	-0.014221	mg/L	0.0088949	-0.014221	mg/L	0.0088949	62.55%
Ca 315.887 Rt	117430.9	31.7381	mg/L	0.02953	31.7381	mg/L	0.02953	0.09%
Cd 226.502 At	528.5	-0.000675	mg/L	0.0003221	-0.000675	mg/L	0.0003221	47.74%
Co 228.616 At	124.7	0.005670	mg/L	0.0000732	0.005670	mg/L	0.0000732	1.29%
Cr 267.716 At	3231.9	0.081957	mg/L	0.0006086	0.081957	mg/L	0.0006086	0.74%
Cu 324.752 At	24212.3	0.134785	mg/L	0.0002985	0.134785	mg/L	0.0002985	0.22%
Fe 273.955 Rt	54698.6	61.3644	mg/L	0.01290	61.3644	mg/L	0.01290	0.02%
Ga 417.206 At	1553.0	0.002815	mg/L	0.0000346	0.002815	mg/L	0.0000346	1.23%
K 766.490 Rt	2333.9	0.892409	mg/L	0.0050863	0.892409	mg/L	0.0050863	0.57%
La 379.478 At	6159.1	0.031240	mg/L	0.0000247	0.031240	mg/L	0.0000247	0.08%
Li 670.784 Rt	1080.9	0.011595	mg/L	0.0003909	0.011595	mg/L	0.0003909	3.37%
Mg 279.077 Rt	1815.5	3.47237	mg/L	0.003497	3.47237	mg/L	0.003497	0.10%
Mn 260.568 Rt	10438.7	0.755685	mg/L	0.0025279	0.755685	mg/L	0.0025279	0.33%
Mo 202.031 At	77.4	0.005974	mg/L	0.0000550	0.005974	mg/L	0.0000550	0.92%
Na 589.592 Rt	2403.6	0.304789	mg/L	0.0007054	0.304789	mg/L	0.0007054	0.23%
Ni 232.003 At	-17.7	0.056951	mg/L	0.0001152	0.056951	mg/L	0.0001152	0.20%
P 213.617 At	2878.3	1.69835	mg/L	0.006670	1.69835	mg/L	0.006670	0.39%
Pb 220.353 At	1556.9	0.396576	mg/L	0.0020481	0.396576	mg/L	0.0020481	0.52%
Sb 206.836 At	33.2	0.016160	mg/L	0.0003562	0.016160	mg/L	0.0003562	2.20%
Sc 361.383 At	3888.1	0.003314	mg/L	0.0000142	0.003314	mg/L	0.0000142	0.43%
Se 196.026 At	-2.9	0.001075	mg/L	0.0081816	0.001075	mg/L	0.0081816	760.73%
Si 251.611 Rt	9656.8	6.98177	mg/L	0.007169	6.98177	mg/L	0.007169	0.10%
SIO2 251.611 Rt	9656.8	14.9410	mg/L	0.01534	14.9410	mg/L	0.01534	0.10%
Sn 189.927 At	121.3	0.046062	mg/L	0.0004048	0.046062	mg/L	0.0004048	0.88%
Sr 421.552 Rt	44204.3	0.054586	mg/L	0.0001037	0.054586	mg/L	0.0001037	0.19%
Ti 336.121 At	129674.4	0.472889	mg/L	0.0012786	0.472889	mg/L	0.0012786	0.27%
Tl 190.801 At	-3.1	0.001548	mg/L	0.0009135	0.001548	mg/L	0.0009135	59.01%
V 292.402 At	5521.7	0.061550	mg/L	0.0003950	0.061550	mg/L	0.0003950	0.64%
Zn 206.200 At	10583.0	1.05897	mg/L	0.001928	1.05897	mg/L	0.001928	0.18%

Sequence No.: 8
Sample ID: ME2QQ2 3X
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 5/20/2009 9:28:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ2 3X

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	177825.0	177825.0	102.465	%			09:30:37
1	Al 308.215 Rt	6031.4	5833.4	5.98934	mg/L	5.98934	mg/L	09:30:58
1	B 249.677 Rt	36.6	28.5	0.015682	mg/L	0.015682	mg/L	09:30:58
1	Be 313.107 Rt	220.0	115.0	0.000844	mg/L	0.000844	mg/L	09:30:58
1	Ca 315.887 Rt	64848.1	63343.7	17.1199	mg/L	17.1199	mg/L	09:30:37
1	Fe 273.955 Rt	167274.1	163230.7	183.133	mg/L	183.133	mg/L	09:30:37
1	K 766.490 Rt	2032.9	1675.5	0.640653	mg/L	0.640653	mg/L	09:30:58
1	Li 670.784 Rt	459.0	343.3	0.003682	mg/L	0.003682	mg/L	09:30:58
1	Mg 279.077 Rt	1579.6	1538.7	2.94286	mg/L	2.94286	mg/L	09:30:58
1	Mn 260.568 Rt	14642.3	14269.3	1.02679	mg/L	1.02679	mg/L	09:30:58
1	Na 589.592 Rt	2144.1	2012.4	0.255177	mg/L	0.255177	mg/L	09:30:58
1	Si 251.611 Rt	2658.7	2549.5	1.84160	mg/L	1.84160	mg/L	09:30:58
1	SIO2 251.611 Rt	2658.7	2549.5	3.94103	mg/L	3.94103	mg/L	09:30:58
1	Sr 421.552 Rt	40045.7	38891.2	0.048025	mg/L	0.048025	mg/L	09:30:37
1	Lu 261.542 A	2431618.3	2431618.3	100.298	%			09:31:42
1	Ag 328.068 At	-860.0	-505.1	0.003477	mg/L	0.003477	mg/L	09:31:53
1	As 188.979 At	179.0	187.0	0.208635	mg/L	0.208635	mg/L	09:32:13
1	Ba 233.527 At	10435.6	10458.5	0.240062	mg/L	0.240062	mg/L	09:31:53
1	Bi 222.821 At	105.9	71.3	-0.053540	mg/L	-0.053540	mg/L	09:31:53
1	Cd 226.502 At	1578.1	1630.3	-0.000849	mg/L	-0.000849	mg/L	09:31:53
1	Co 228.616 At	511.4	596.8	0.032030	mg/L	0.032030	mg/L	09:32:13
1	Cr 267.716 At	24738.0	24501.5	0.621713	mg/L	0.621713	mg/L	09:31:53
1	Cu 324.752 At	479059.2	475077.5	2.64366	mg/L	2.64366	mg/L	09:31:42
1	Ga 417.206 At	3430.8	3495.9	-0.000449	mg/L	-0.000449	mg/L	09:31:53
1	La 379.478 At	7573.8	8016.3	0.040660	mg/L	0.040660	mg/L	09:31:42
1	Mo 202.031 At	578.8	546.9	0.067960	mg/L	0.067960	mg/L	09:32:13
1	Ni 232.003 At	4039.4	4113.1	0.554826	mg/L	0.554826	mg/L	09:31:53
1	P 213.617 At	2276.1	2335.8	1.35072	mg/L	1.35072	mg/L	09:31:53
1	Pb 220.353 At	9481.5	9411.1	2.40026	mg/L	2.40026	mg/L	09:31:53
1	Sb 206.836 At	79.7	89.9	0.040868	mg/L	0.040868	mg/L	09:32:13
1	Sc 361.383 At	1004.4	994.8	0.000848	mg/L	0.000848	mg/L	09:31:53
1	Se 196.026 At	-39.6	-13.8	-0.007794	mg/L	-0.007794	mg/L	09:32:13
1	Sn 189.927 At	4185.2	4201.0	1.59542	mg/L	1.59542	mg/L	09:32:13
1	Ti 336.121 At	49147.5	49433.3	0.180192	mg/L	0.180192	mg/L	09:31:53
1	Tl 190.801 At	-14.8	-6.7	0.004878	mg/L	0.004878	mg/L	09:32:13
1	V 292.402 At	3569.3	3855.8	0.035258	mg/L	0.035258	mg/L	09:31:53
1	Zn 206.200 At	15004.4	14935.2	1.49448	mg/L	1.49448	mg/L	09:31:53
2	Lu 261.542 R	178685.5	178685.5	102.961	%			09:31:08
2	Al 308.215 Rt	6014.1	5788.3	5.94300	mg/L	5.94300	mg/L	09:31:28
2	B 249.677 Rt	37.9	29.6	0.016252	mg/L	0.016252	mg/L	09:31:28
2	Be 313.107 Rt	217.5	111.5	0.000820	mg/L	0.000820	mg/L	09:31:28
2	Ca 315.887 Rt	65153.8	63335.9	17.1178	mg/L	17.1178	mg/L	09:31:08
2	Fe 273.955 Rt	168055.1	163203.0	183.102	mg/L	183.102	mg/L	09:31:08
2	K 766.490 Rt	2017.7	1651.2	0.631363	mg/L	0.631363	mg/L	09:31:28
2	Li 670.784 Rt	443.2	325.7	0.003494	mg/L	0.003494	mg/L	09:31:28
2	Mg 279.077 Rt	1590.7	1542.0	2.94929	mg/L	2.94929	mg/L	09:31:28
2	Mn 260.568 Rt	14600.3	14159.7	1.01881	mg/L	1.01881	mg/L	09:31:28
2	Na 589.592 Rt	2138.1	1996.5	0.253163	mg/L	0.253163	mg/L	09:31:28
2	Si 251.611 Rt	2646.2	2524.8	1.82380	mg/L	1.82380	mg/L	09:31:28
2	SIO2 251.611 Rt	2646.2	2524.8	3.90292	mg/L	3.90292	mg/L	09:31:28
2	Sr 421.552 Rt	40249.5	38900.9	0.048037	mg/L	0.048037	mg/L	09:31:08
2	Lu 261.542 A	2432124.2	2432124.2	100.319	%			09:32:25
2	Ag 328.068 At	-879.6	-524.4	0.003348	mg/L	0.003348	mg/L	09:32:36
2	As 188.979 At	177.1	185.1	0.206462	mg/L	0.206462	mg/L	09:32:56
2	Ba 233.527 At	10431.0	10451.7	0.239907	mg/L	0.239907	mg/L	09:32:36
2	Bi 222.821 At	98.1	63.5	-0.061027	mg/L	-0.061027	mg/L	09:32:36
2	Cd 226.502 At	1555.1	1607.1	-0.001514	mg/L	-0.001514	mg/L	09:32:36
2	Co 228.616 At	510.2	595.5	0.031959	mg/L	0.031959	mg/L	09:32:56
2	Cr 267.716 At	24679.5	24438.1	0.620106	mg/L	0.620106	mg/L	09:32:36
2	Cu 324.752 At	473106.7	469044.6	2.61009	mg/L	2.61009	mg/L	09:32:25

Method: ILMO5 OPT5 Page 21 Date: 5/20/2009 9:32:59 AM

2	Ga 417.206 At	3463.0	3527.3	-0.000063 mg/L	-0.000063 mg/L	09:32:36
2	La 379.478 At	7568.7	8009.7	0.040626 mg/L	0.040626 mg/L	09:32:25
2	Mo 202.031 At	579.7	547.6	0.068055 mg/L	0.068055 mg/L	09:32:56
2	Ni 232.003 At	4020.7	4093.6	0.552954 mg/L	0.552954 mg/L	09:32:36
2	P 213.617 At	2288.9	2348.1	1.35884 mg/L	1.35884 mg/L	09:32:36
2	Pb 220.353 At	9477.0	9404.6	2.39864 mg/L	2.39864 mg/L	09:32:36
2	Sb 206.836 At	75.1	85.2	0.038221 mg/L	0.038221 mg/L	09:32:56
2	Sc 361.383 At	961.4	951.8	0.000811 mg/L	0.000811 mg/L	09:32:36
2	Se 196.026 At	-35.4	-9.6	0.001364 mg/L	0.001364 mg/L	09:32:56
2	Sn 189.927 At	4175.5	4190.4	1.59141 mg/L	1.59141 mg/L	09:32:56
2	Ti 336.121 At	49025.4	49301.4	0.179711 mg/L	0.179711 mg/L	09:32:36
2	Tl 190.801 At	-17.5	-9.4	0.001526 mg/L	0.001526 mg/L	09:32:56
2	V 292.402 At	3568.2	3854.0	0.035236 mg/L	0.035236 mg/L	09:32:36
2	Zn 206.200 At	14975.7	14903.5	1.49131 mg/L	1.49131 mg/L	09:32:36

Mean Data: ME2QQ2 3X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	178255.3	102.713	%	0.3506				0.34%
Lu 261.542 A	2431871.3	100.308	%	0.0148				0.01%
Ag 328.068 At	-514.8	0.003413	mg/L	0.0000913	0.003413	mg/L	0.0000913	2.68%
Al 308.215 Rt	5810.9	5.96617	mg/L	0.032769	5.96617	mg/L	0.032769	0.55%
As 188.979 At	186.1	0.207548	mg/L	0.0015363	0.207548	mg/L	0.0015363	0.74%
B 249.677 Rt	29.0	0.015967	mg/L	0.0004035	0.015967	mg/L	0.0004035	2.53%
Ba 233.527 At	10455.1	0.239984	mg/L	0.0001097	0.239984	mg/L	0.0001097	0.05%
Be 313.107 Rt	113.3	0.000832	mg/L	0.0000170	0.000832	mg/L	0.0000170	2.04%
Bi 222.821 At	67.4	-0.057284	mg/L	0.0052938	-0.057284	mg/L	0.0052938	9.24%
Ca 315.887 Rt	63339.8	17.1189	mg/L	0.00150	17.1189	mg/L	0.00150	0.01%
Cd 226.502 At	1618.7	-0.001182	mg/L	0.0004702	-0.001182	mg/L	0.0004702	39.80%
Co 228.616 At	596.1	0.031995	mg/L	0.0000502	0.031995	mg/L	0.0000502	0.16%
Cr 267.716 At	24469.8	0.620910	mg/L	0.0011365	0.620910	mg/L	0.0011365	0.18%
Cu 324.752 At	472061.1	2.62688	mg/L	0.023742	2.62688	mg/L	0.023742	0.90%
Fe 273.955 Rt	163216.9	183.118	mg/L	0.0219	183.118	mg/L	0.0219	0.01%
Ga 417.206 At	3511.6	-0.000256	mg/L	0.0002732	-0.000256	mg/L	0.0002732	106.82%
K 766.490 Rt	1663.3	0.636008	mg/L	0.0065686	0.636008	mg/L	0.0065686	1.03%
La 379.478 At	8013.0	0.040643	mg/L	0.0000238	0.040643	mg/L	0.0000238	0.06%
Li 670.784 Rt	334.5	0.003588	mg/L	0.0001329	0.003588	mg/L	0.0001329	3.70%
Mg 279.077 Rt	1540.4	2.94608	mg/L	0.004546	2.94608	mg/L	0.004546	0.15%
Mn 260.568 Rt	14214.5	1.02280	mg/L	0.005641	1.02280	mg/L	0.005641	0.55%
Mo 202.031 At	547.3	0.068007	mg/L	0.0000672	0.068007	mg/L	0.0000672	0.10%
Na 589.592 Rt	2004.4	0.254170	mg/L	0.0014237	0.254170	mg/L	0.0014237	0.56%
Ni 232.003 At	4103.3	0.553890	mg/L	0.0013237	0.553890	mg/L	0.0013237	0.24%
P 213.617 At	2341.9	1.35478	mg/L	0.005743	1.35478	mg/L	0.005743	0.42%
Pb 220.353 At	9407.8	2.39945	mg/L	0.001143	2.39945	mg/L	0.001143	0.05%
Sb 206.836 At	87.6	0.039544	mg/L	0.0018719	0.039544	mg/L	0.0018719	4.73%
Sc 361.383 At	973.3	0.000830	mg/L	0.0000259	0.000830	mg/L	0.0000259	3.13%
Se 196.026 At	-11.7	-0.003215	mg/L	0.0064754	-0.003215	mg/L	0.0064754	201.42%
Si 251.611 Rt	2537.1	1.83270	mg/L	0.012591	1.83270	mg/L	0.012591	0.69%
SIO2 251.611 Rt	2537.1	3.92198	mg/L	0.026944	3.92198	mg/L	0.026944	0.69%
Sn 189.927 At	4195.7	1.59341	mg/L	0.002838	1.59341	mg/L	0.002838	0.18%
Sr 421.552 Rt	38896.1	0.048031	mg/L	0.0000085	0.048031	mg/L	0.0000085	0.02%
Ti 336.121 At	49367.4	0.179952	mg/L	0.0003403	0.179952	mg/L	0.0003403	0.19%
Tl 190.801 At	-8.0	0.003202	mg/L	0.0023702	0.003202	mg/L	0.0023702	74.01%
V 292.402 At	3854.9	0.035247	mg/L	0.0000152	0.035247	mg/L	0.0000152	0.04%
Zn 206.200 At	14919.3	1.49290	mg/L	0.002244	1.49290	mg/L	0.002244	0.15%

Method: ILM05 OPT5 Page 22 Date: 5/20/2009 9:38:53 AM

Sequence No.: 9
Sample ID: ME2QQ4 3X
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 5/20/2009 9:34:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ4 3X

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	179191.8	179191.8	103.253	%			09:36:34
1	Al 308.215 Rt	13695.8	13211.5	13.5671	mg/L	13.5671	mg/L	09:36:54
1	B 249.677 Rt	22.5	14.6	0.007900	mg/L	0.007900	mg/L	09:36:54
1	Be 313.107 Rt	330.5	220.4	0.001531	mg/L	0.001531	mg/L	09:36:54
1	Ca 315.887 Rt	97502.1	94486.2	25.5368	mg/L	25.5368	mg/L	09:36:34
1	Fe 273.955 Rt	248675.2	240822.0	270.184	mg/L	270.184	mg/L	09:36:34
1	K 766.490 Rt	2952.5	2551.0	0.975426	mg/L	0.975426	mg/L	09:36:54
1	Li 670.784 Rt	1075.4	936.8	0.010049	mg/L	0.010049	mg/L	09:36:54
1	Mg 279.077 Rt	4174.8	4040.3	7.72751	mg/L	7.72751	mg/L	09:36:54
1	Mn 260.568 Rt	34743.7	33628.4	2.43000	mg/L	2.43000	mg/L	09:36:54
1	Na 589.592 Rt	1075.3	961.3	0.121898	mg/L	0.121898	mg/L	09:36:54
1	Si 251.611 Rt	6719.2	6462.2	4.67167	mg/L	4.67167	mg/L	09:36:54
1	SIO2 251.611 Rt	6719.2	6462.2	9.99737	mg/L	9.99737	mg/L	09:36:54
1	Sr 421.552 Rt	28934.9	27832.3	0.034369	mg/L	0.034369	mg/L	09:36:34
1	Lu 261.542 A	2412357.9	2412357.9	99.5033	%			09:37:39
1	Ag 328.068 At	-1337.2	-991.5	0.004039	mg/L	0.004039	mg/L	09:37:49
1	As 188.979 At	56.1	64.9	0.071567	mg/L	0.071567	mg/L	09:38:09
1	Ba 233.527 At	6929.5	7017.9	0.161088	mg/L	0.161088	mg/L	09:37:49
1	Bi 222.821 At	128.2	94.6	-0.109528	mg/L	-0.109528	mg/L	09:38:09
1	Cd 226.502 At	2528.1	2597.7	0.003725	mg/L	0.003725	mg/L	09:37:49
1	Co 228.616 At	210.2	298.2	0.015390	mg/L	0.015390	mg/L	09:38:09
1	Cr 267.716 At	9462.4	9346.6	0.237043	mg/L	0.237043	mg/L	09:37:49
1	Cu 324.752 At	46533.9	44206.5	0.245720	mg/L	0.245720	mg/L	09:37:49
1	Ga 417.206 At	5283.7	5385.4	0.001744	mg/L	0.001744	mg/L	09:37:49
1	La 379.478 At	12244.1	12770.2	0.064772	mg/L	0.064772	mg/L	09:37:39
1	Mo 202.031 At	108.7	79.0	0.010904	mg/L	0.010904	mg/L	09:37:49
1	Ni 232.003 At	-1648.3	-1570.8	0.110113	mg/L	0.110113	mg/L	09:37:49
1	P 213.617 At	1949.1	2025.3	1.27722	mg/L	1.27722	mg/L	09:38:09
1	Pb 220.353 At	3363.3	3337.7	0.838515	mg/L	0.838515	mg/L	09:38:09
1	Sb 206.836 At	45.9	56.6	0.021497	mg/L	0.021497	mg/L	09:38:09
1	Sc 361.383 At	3658.4	3670.1	0.003128	mg/L	0.003128	mg/L	09:37:49
1	Se 196.026 At	-38.5	-13.0	0.003609	mg/L	0.003609	mg/L	09:38:09
1	Sn 189.927 At	388.8	418.9	0.159088	mg/L	0.159088	mg/L	09:38:09
1	Ti 336.121 At	95166.0	96072.8	0.350230	mg/L	0.350230	mg/L	09:37:49
1	Tl 190.801 At	-20.2	-12.2	0.007245	mg/L	0.007245	mg/L	09:38:09
1	V 292.402 At	5481.3	5805.8	0.051458	mg/L	0.051458	mg/L	09:37:49
1	Zn 206.200 At	29484.5	29607.0	2.96281	mg/L	2.96281	mg/L	09:37:49
2	Lu 261.542 R	178217.9	178217.9	102.692	%			09:37:05
2	Al 308.215 Rt	13702.6	13290.6	13.6483	mg/L	13.6483	mg/L	09:37:25
2	B 249.677 Rt	29.0	21.0	0.011231	mg/L	0.011231	mg/L	09:37:25
2	Be 313.107 Rt	338.7	230.1	0.001599	mg/L	0.001599	mg/L	09:37:25
2	Ca 315.887 Rt	96882.7	94399.0	25.5133	mg/L	25.5133	mg/L	09:37:05
2	Fe 273.955 Rt	246802.4	240314.4	269.614	mg/L	269.614	mg/L	09:37:05
2	K 766.490 Rt	2948.5	2562.7	0.979906	mg/L	0.979906	mg/L	09:37:25
2	Li 670.784 Rt	1076.4	943.5	0.010121	mg/L	0.010121	mg/L	09:37:25
2	Mg 279.077 Rt	4158.0	4046.1	7.73860	mg/L	7.73860	mg/L	09:37:25
2	Mn 260.568 Rt	34581.1	33654.0	2.43189	mg/L	2.43189	mg/L	09:37:25
2	Na 589.592 Rt	1069.3	961.1	0.121871	mg/L	0.121871	mg/L	09:37:25
2	Si 251.611 Rt	6711.1	6489.8	4.69169	mg/L	4.69169	mg/L	09:37:25
2	SIO2 251.611 Rt	6711.1	6489.8	10.0402	mg/L	10.0402	mg/L	09:37:25
2	Sr 421.552 Rt	28568.9	27629.0	0.034118	mg/L	0.034118	mg/L	09:37:05
2	Lu 261.542 A	2420070.3	2420070.3	99.8214	%			09:38:21
2	Ag 328.068 At	-1325.6	-975.6	0.004127	mg/L	0.004127	mg/L	09:38:31
2	As 188.979 At	55.8	64.5	0.071084	mg/L	0.071084	mg/L	09:38:52
2	Ba 233.527 At	6935.7	7002.0	0.160721	mg/L	0.160721	mg/L	09:38:31
2	Bi 222.821 At	133.5	99.4	-0.104623	mg/L	-0.104623	mg/L	09:38:52
2	Cd 226.502 At	2511.1	2572.5	0.003148	mg/L	0.003148	mg/L	09:38:31
2	Co 228.616 At	225.8	313.1	0.016205	mg/L	0.016205	mg/L	09:38:52
2	Cr 267.716 At	9437.7	9291.5	0.235645	mg/L	0.235645	mg/L	09:38:31
2	Cu 324.752 At	46249.3	43772.4	0.243303	mg/L	0.243303	mg/L	09:38:31

Method: ILMO5 OPT5 Page 23 Date: 5/20/2009 9:38:55 AM

2	Ga 417.206 At	5264.5	5349.2	0.001447 mg/L	0.001447 mg/L	09:38:31
2	La 379.478 At	12456.2	12943.5	0.065651 mg/L	0.065651 mg/L	09:38:21
2	Mo 202.031 At	112.7	82.7	0.011333 mg/L	0.011333 mg/L	09:38:31
2	Ni 232.003 At	-1667.4	-1584.7	0.108283 mg/L	0.108283 mg/L	09:38:31
2	P 213.617 At	1939.0	2008.9	1.26757 mg/L	1.26757 mg/L	09:38:52
2	Pb 220.353 At	3364.8	3328.5	0.836203 mg/L	0.836203 mg/L	09:38:52
2	Sb 206.836 At	40.3	50.7	0.018198 mg/L	0.018198 mg/L	09:38:52
2	Sc 361.383 At	3617.6	3617.5	0.003083 mg/L	0.003083 mg/L	09:38:31
2	Se 196.026 At	-41.7	-16.1	-0.003249 mg/L	-0.003249 mg/L	09:38:52
2	Sn 189.927 At	395.5	424.4	0.161173 mg/L	0.161173 mg/L	09:38:52
2	Ti 336.121 At	94917.0	95518.5	0.348207 mg/L	0.348207 mg/L	09:38:31
2	Tl 190.801 At	-23.5	-15.4	0.003205 mg/L	0.003205 mg/L	09:38:52
2	V 292.402 At	5469.2	5776.1	0.051145 mg/L	0.051145 mg/L	09:38:31
2	Zn 206.200 At	29544.4	29572.5	2.95935 mg/L	2.95935 mg/L	09:38:31

Mean Data: ME2QQ4 3X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	178704.8	102.972	%	0.3968				0.39%
Lu 261.542 A	2416214.1	99.6623	%	0.22494				0.23%
Ag 328.068 At	-983.5	0.004083	mg/L	0.0000622	0.004083	mg/L	0.0000622	1.52%
Al 308.215 Rt	13251.0	13.6077	mg/L	0.05743	13.6077	mg/L	0.05743	0.42%
As 188.979 At	64.7	0.071325	mg/L	0.0003416	0.071325	mg/L	0.0003416	0.48%
B 249.677 Rt	17.8	0.009566	mg/L	0.0023551	0.009566	mg/L	0.0023551	24.62%
Ba 233.527 At	7010.0	0.160904	mg/L	0.0002593	0.160904	mg/L	0.0002593	0.16%
Be 313.107 Rt	225.2	0.001565	mg/L	0.0000479	0.001565	mg/L	0.0000479	3.06%
Bi 222.821 At	97.0	-0.107075	mg/L	0.0034685	-0.107075	mg/L	0.0034685	3.24%
Ca 315.887 Rt	94442.6	25.5251	mg/L	0.01666	25.5251	mg/L	0.01666	0.07%
Cd 226.502 At	2585.1	0.003436	mg/L	0.0004082	0.003436	mg/L	0.0004082	11.88%
Co 228.616 At	305.6	0.015798	mg/L	0.0005763	0.015798	mg/L	0.0005763	3.65%
Cr 267.716 At	9319.1	0.236344	mg/L	0.0009889	0.236344	mg/L	0.0009889	0.42%
Cu 324.752 At	43989.4	0.244511	mg/L	0.0017088	0.244511	mg/L	0.0017088	0.70%
Fe 273.955 Rt	240568.2	269.899	mg/L	0.4027	269.899	mg/L	0.4027	0.15%
Ga 417.206 At	5367.3	0.001595	mg/L	0.0002099	0.001595	mg/L	0.0002099	13.16%
K 766.490 Rt	2556.8	0.977666	mg/L	0.0031676	0.977666	mg/L	0.0031676	0.32%
La 379.478 At	12856.9	0.065212	mg/L	0.0006215	0.065212	mg/L	0.0006215	0.95%
Li 670.784 Rt	940.2	0.010085	mg/L	0.0000510	0.010085	mg/L	0.0000510	0.51%
Mg 279.077 Rt	4043.2	7.73306	mg/L	0.007842	7.73306	mg/L	0.007842	0.10%
Mn 260.568 Rt	33641.2	2.43094	mg/L	0.001341	2.43094	mg/L	0.001341	0.06%
Mo 202.031 At	80.9	0.011118	mg/L	0.0003033	0.011118	mg/L	0.0003033	2.73%
Na 589.592 Rt	961.2	0.121885	mg/L	0.0000194	0.121885	mg/L	0.0000194	0.02%
Ni 232.003 At	-1577.8	0.109198	mg/L	0.0012938	0.109198	mg/L	0.0012938	1.18%
P 213.617 At	2017.1	1.27240	mg/L	0.006826	1.27240	mg/L	0.006826	0.54%
Pb 220.353 At	3333.1	0.837359	mg/L	0.0016351	0.837359	mg/L	0.0016351	0.20%
Sb 206.836 At	53.7	0.019848	mg/L	0.0023322	0.019848	mg/L	0.0023322	11.75%
Sc 361.383 At	3643.8	0.003106	mg/L	0.0000317	0.003106	mg/L	0.0000317	1.02%
Se 196.026 At	-14.6	0.000180	mg/L	0.0048492	0.000180	mg/L	0.0048492	>999.9%
Si 251.611 Rt	6476.0	4.68168	mg/L	0.014160	4.68168	mg/L	0.014160	0.30%
SIO2 251.611 Rt	6476.0	10.0188	mg/L	0.03030	10.0188	mg/L	0.03030	0.30%
Sn 189.927 At	421.6	0.160131	mg/L	0.0014740	0.160131	mg/L	0.0014740	0.92%
Sr 421.552 Rt	27730.6	0.034243	mg/L	0.0001775	0.034243	mg/L	0.0001775	0.52%
Ti 336.121 At	95795.7	0.349219	mg/L	0.0014304	0.349219	mg/L	0.0014304	0.41%
Tl 190.801 At	-13.8	0.005225	mg/L	0.0028565	0.005225	mg/L	0.0028565	54.67%
V 292.402 At	5791.0	0.051302	mg/L	0.0002214	0.051302	mg/L	0.0002214	0.43%
Zn 206.200 At	29589.7	2.96108	mg/L	0.002443	2.96108	mg/L	0.002443	0.08%

Sequence No.: 10
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 9:40:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	179993.5	179993.5	103.715	%			09:42:28
1	Al 308.215 Rt	2124.8	1995.9	1.99286	mg/L	1.99286	mg/L	09:42:48
1	B 249.677 Rt	3823.2	3679.1	1.91451	mg/L	1.91451	mg/L	09:42:48
1	Be 313.107 Rt	287339.6	276947.6	1.93591	mg/L	1.93591	mg/L	09:42:28
1	Ca 315.887 Rt	75052.4	72420.0	19.5730	mg/L	19.5730	mg/L	09:42:28
1	Fe 273.955 Rt	9026.9	8684.9	9.73539	mg/L	9.73539	mg/L	09:42:48
1	K 766.490 Rt	52674.1	50478.8	19.3018	mg/L	19.3018	mg/L	09:42:28
1	Li 670.784 Rt	143.1	33.2	0.000357	mg/L	0.000357	mg/L	09:42:48
1	Mg 279.077 Rt	10617.6	10234.3	19.5741	mg/L	19.5741	mg/L	09:42:48
1	Mn 260.568 Rt	27091.4	26100.3	1.89702	mg/L	1.89702	mg/L	09:42:48
1	Na 589.592 Rt	167943.9	161848.2	20.5230	mg/L	20.5230	mg/L	09:42:28
1	Si 251.611 Rt	1586.6	1484.5	1.01996	mg/L	1.01996	mg/L	09:42:48
1	SIO2 251.611 Rt	1586.6	1484.5	2.18271	mg/L	2.18271	mg/L	09:42:48
1	Sr 421.552 Rt	974.1	748.2	0.000924	mg/L	0.000924	mg/L	09:42:48
1	Lu 261.542 A	2456139.2	2456139.2	101.309	%			09:43:34
1	Ag 328.068 At	280564.2	277291.1	1.94422	mg/L	1.94422	mg/L	09:43:45
1	As 188.979 At	1761.0	1746.8	1.96508	mg/L	1.96508	mg/L	09:44:05
1	Ba 233.527 At	85675.5	84622.2	1.94240	mg/L	1.94240	mg/L	09:43:45
1	Bi 222.821 At	84.3	48.9	0.004905	mg/L	0.004905	mg/L	09:44:05
1	Cd 226.502 At	68124.6	67301.3	1.94390	mg/L	1.94390	mg/L	09:43:45
1	Co 228.616 At	36380.5	35997.3	1.95298	mg/L	1.95298	mg/L	09:43:45
1	Cr 267.716 At	78845.0	77663.1	1.97115	mg/L	1.97115	mg/L	09:43:45
1	Cu 324.752 At	359014.6	351815.7	1.95777	mg/L	1.95777	mg/L	09:43:34
1	Ga 417.206 At	882.1	946.1	0.001427	mg/L	0.001427	mg/L	09:43:45
1	La 379.478 At	958.2	1410.9	0.007156	mg/L	0.007156	mg/L	09:43:45
1	Mo 202.031 At	16838.1	16590.3	2.01039	mg/L	2.01039	mg/L	09:43:45
1	Ni 232.003 At	20979.7	20794.3	1.93165	mg/L	1.93165	mg/L	09:43:45
1	P 213.617 At	-30.3	36.5	-0.008320	mg/L	-0.008320	mg/L	09:44:05
1	Pb 220.353 At	7766.0	7623.3	1.95469	mg/L	1.95469	mg/L	09:44:05
1	Sb 206.836 At	3489.5	3454.8	1.96562	mg/L	1.96562	mg/L	09:44:05
1	Sc 361.383 At	-259.3	-262.5	-0.000224	mg/L	-0.000224	mg/L	09:44:05
1	Se 196.026 At	897.7	911.8	1.96709	mg/L	1.96709	mg/L	09:44:05
1	Sn 189.927 At	-38.8	-10.1	-0.003821	mg/L	-0.003821	mg/L	09:44:05
1	Ti 336.121 At	545094.3	538482.1	1.96462	mg/L	1.96462	mg/L	09:43:34
1	Tl 190.801 At	1554.3	1542.3	1.91557	mg/L	1.91557	mg/L	09:44:05
1	V 292.402 At	167319.0	165453.9	1.98419	mg/L	1.98419	mg/L	09:43:45
1	Zn 206.200 At	19683.2	19404.2	1.93421	mg/L	1.93421	mg/L	09:43:45
2	Lu 261.542 R	180032.6	180032.6	103.737	%			09:42:59
2	Al 308.215 Rt	2121.7	1992.4	1.98917	mg/L	1.98917	mg/L	09:43:20
2	B 249.677 Rt	3848.4	3702.5	1.92670	mg/L	1.92670	mg/L	09:43:20
2	Be 313.107 Rt	287884.2	277412.5	1.93916	mg/L	1.93916	mg/L	09:42:59
2	Ca 315.887 Rt	75095.6	72446.0	19.5800	mg/L	19.5800	mg/L	09:42:59
2	Fe 273.955 Rt	9052.6	8707.9	9.76109	mg/L	9.76109	mg/L	09:43:20
2	K 766.490 Rt	52696.0	50488.9	19.3057	mg/L	19.3057	mg/L	09:42:59
2	Li 670.784 Rt	141.7	31.8	0.000342	mg/L	0.000342	mg/L	09:43:20
2	Mg 279.077 Rt	10710.8	10322.0	19.7418	mg/L	19.7418	mg/L	09:43:20
2	Mn 260.568 Rt	27206.8	26205.9	1.90469	mg/L	1.90469	mg/L	09:43:20
2	Na 589.592 Rt	168721.8	162562.9	20.6137	mg/L	20.6137	mg/L	09:42:59
2	Si 251.611 Rt	1585.6	1483.2	1.01891	mg/L	1.01891	mg/L	09:43:20
2	SIO2 251.611 Rt	1585.6	1483.2	2.18048	mg/L	2.18048	mg/L	09:43:20
2	Sr 421.552 Rt	968.9	743.0	0.000918	mg/L	0.000918	mg/L	09:43:20
2	Lu 261.542 A	2456838.8	2456838.8	101.338	%			09:44:18
2	Ag 328.068 At	281264.0	277902.8	1.94852	mg/L	1.94852	mg/L	09:44:29
2	As 188.979 At	1760.4	1745.7	1.96380	mg/L	1.96380	mg/L	09:44:49
2	Ba 233.527 At	85896.5	84816.3	1.94685	mg/L	1.94685	mg/L	09:44:29
2	Bi 222.821 At	78.6	43.2	-0.000534	mg/L	-0.000534	mg/L	09:44:49
2	Cd 226.502 At	68129.7	67287.1	1.94349	mg/L	1.94349	mg/L	09:44:29
2	Co 228.616 At	36427.5	36033.4	1.95496	mg/L	1.95496	mg/L	09:44:29
2	Cr 267.716 At	79120.6	77912.9	1.97749	mg/L	1.97749	mg/L	09:44:29
2	Cu 324.752 At	359868.9	352557.8	1.96189	mg/L	1.96189	mg/L	09:44:18

Method: ILMO5 OPT5 Page 25 Date: 5/20/2009 9:44:50 AM

2	Ga 417.206 At	857.0	921.0	0.001129 mg/L	0.001129 mg/L	09:44:29
2	La 379.478 At	991.4	1443.3	0.007321 mg/L	0.007321 mg/L	09:44:29
2	Mo 202.031 At	16895.4	16642.1	2.01667 mg/L	2.01667 mg/L	09:44:29
2	Ni 232.003 At	21080.0	20887.4	1.94036 mg/L	1.94036 mg/L	09:44:29
2	P 213.617 At	-23.3	43.4	-0.004426 mg/L	-0.004426 mg/L	09:44:49
2	Pb 220.353 At	7780.5	7635.5	1.95780 mg/L	1.95780 mg/L	09:44:49
2	Sb 206.836 At	3504.1	3468.3	1.97331 mg/L	1.97331 mg/L	09:44:49
2	Sc 361.383 At	-261.4	-264.5	-0.000225 mg/L	-0.000225 mg/L	09:44:49
2	Se 196.026 At	895.8	909.6	1.96238 mg/L	1.96238 mg/L	09:44:49
2	Sn 189.927 At	-34.4	-5.7	-0.002166 mg/L	-0.002166 mg/L	09:44:49
2	Ti 336.121 At	544603.2	537844.4	1.96229 mg/L	1.96229 mg/L	09:44:18
2	Tl 190.801 At	1555.3	1542.8	1.91626 mg/L	1.91626 mg/L	09:44:49
2	V 292.402 At	167877.6	165958.2	1.99025 mg/L	1.99025 mg/L	09:44:29
2	Zn 206.200 At	19746.5	19461.0	1.93987 mg/L	1.93987 mg/L	09:44:29

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	180013.0	103.726	%	0.0159				0.02%
Lu 261.542 A	2456489.0	101.324	%	0.0204				0.02%
Ag 328.068 At	277597.0	1.94637	mg/L	0.003042	1.94637	mg/L	0.003042	0.16%
QC value within limits for Ag 328.068 A Recovery = 97.32%								
Al 308.215 Rt	1994.1	1.99101	mg/L	0.002613	1.99101	mg/L	0.002613	0.13%
QC value within limits for Al 308.215 R Recovery = 99.55%								
As 188.979 At	1746.3	1.96444	mg/L	0.000903	1.96444	mg/L	0.000903	0.05%
QC value within limits for As 188.979 A Recovery = 98.22%								
B 249.677 Rt	3690.8	1.92061	mg/L	0.008620	1.92061	mg/L	0.008620	0.45%
Ba 233.527 At	84719.3	1.94462	mg/L	0.003149	1.94462	mg/L	0.003149	0.16%
QC value within limits for Ba 233.527 A Recovery = 97.23%								
Be 313.107 Rt	277180.1	1.93753	mg/L	0.002298	1.93753	mg/L	0.002298	0.12%
QC value within limits for Be 313.107 R Recovery = 96.88%								
Bi 222.821 At	46.1	0.002186	mg/L	0.0038461	0.002186	mg/L	0.0038461	175.96%
Ca 315.887 Rt	72433.0	19.5765	mg/L	0.00496	19.5765	mg/L	0.00496	0.03%
QC value within limits for Ca 315.887 R Recovery = 97.88%								
Cd 226.502 At	67294.2	1.94369	mg/L	0.000288	1.94369	mg/L	0.000288	0.01%
QC value within limits for Cd 226.502 A Recovery = 97.18%								
Co 228.616 At	36015.4	1.95397	mg/L	0.001394	1.95397	mg/L	0.001394	0.07%
QC value within limits for Co 228.616 A Recovery = 97.70%								
Cr 267.716 At	77788.0	1.97432	mg/L	0.004483	1.97432	mg/L	0.004483	0.23%
QC value within limits for Cr 267.716 A Recovery = 98.72%								
Cu 324.752 At	352186.7	1.95983	mg/L	0.002918	1.95983	mg/L	0.002918	0.15%
QC value within limits for Cu 324.752 A Recovery = 97.99%								
Fe 273.955 Rt	8696.4	9.74824	mg/L	0.018170	9.74824	mg/L	0.018170	0.19%
QC value within limits for Fe 273.955 R Recovery = 97.48%								
Ga 417.206 At	933.5	0.001278	mg/L	0.0002105	0.001278	mg/L	0.0002105	16.47%
K 766.490 Rt	50483.9	19.3037	mg/L	0.00274	19.3037	mg/L	0.00274	0.01%
QC value within limits for K 766.490 R Recovery = 96.52%								
La 379.478 At	1427.1	0.007238	mg/L	0.0001165	0.007238	mg/L	0.0001165	1.61%
Li 670.784 Rt	32.5	0.000349	mg/L	0.0000106	0.000349	mg/L	0.0000106	3.04%
Mg 279.077 Rt	10278.2	19.6579	mg/L	0.11859	19.6579	mg/L	0.11859	0.60%
QC value within limits for Mg 279.077 R Recovery = 98.29%								
Mn 260.568 Rt	26153.1	1.90085	mg/L	0.005423	1.90085	mg/L	0.005423	0.29%
QC value within limits for Mn 260.568 R Recovery = 95.04%								
Mo 202.031 At	16616.2	2.01353	mg/L	0.004439	2.01353	mg/L	0.004439	0.22%
Na 589.592 Rt	162205.6	20.5683	mg/L	0.06409	20.5683	mg/L	0.06409	0.31%
QC value within limits for Na 589.592 R Recovery = 102.84%								
Ni 232.003 At	20840.8	1.93601	mg/L	0.006158	1.93601	mg/L	0.006158	0.32%
QC value within limits for Ni 232.003 A Recovery = 96.80%								
P 213.617 At	40.0	-0.006373	mg/L	0.0027536	-0.006373	mg/L	0.0027536	43.21%
Pb 220.353 At	7629.4	1.95625	mg/L	0.002203	1.95625	mg/L	0.002203	0.11%
QC value within limits for Pb 220.353 A Recovery = 97.81%								
Sb 206.836 At	3461.5	1.96946	mg/L	0.005433	1.96946	mg/L	0.005433	0.28%
QC value within limits for Sb 206.836 A Recovery = 98.47%								
Sc 361.383 At	-263.5	-0.000225	mg/L	0.0000012	-0.000225	mg/L	0.0000012	0.54%
Se 196.026 At	910.7	1.96474	mg/L	0.003335	1.96474	mg/L	0.003335	0.17%
QC value within limits for Se 196.026 A Recovery = 98.24%								
Si 251.611 Rt	1483.8	1.01944	mg/L	0.000738	1.01944	mg/L	0.000738	0.07%
SIO2 251.611 Rt	1483.8	2.18159	mg/L	0.001580	2.18159	mg/L	0.001580	0.07%
Sn 189.927 At	-7.9	-0.002993	mg/L	0.0011702	-0.002993	mg/L	0.0011702	39.09%
Sr 421.552 Rt	745.6	0.000921	mg/L	0.0000045	0.000921	mg/L	0.0000045	0.49%
Ti 336.121 At	538163.2	1.96345	mg/L	0.001648	1.96345	mg/L	0.001648	0.08%

Tl 190.801 At	1542.5	1.91591 mg/L	0.000488	1.91591 mg/L	0.000488	0.03%
QC value within limits for Tl 190.801 A Recovery = 95.80%						
V 292.402 At	165706.1	1.98722 mg/L	0.004281	1.98722 mg/L	0.004281	0.22%
QC value within limits for V 292.402 A Recovery = 99.36%						
Zn 206.200 At	19432.6	1.93704 mg/L	0.004006	1.93704 mg/L	0.004006	0.21%
QC value within limits for Zn 206.200 A Recovery = 96.85%						

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 9:46:47 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	180310.4	180310.4	103.898	%			09:48:36
1	Al 308.215 Rt	60.8	5.7	0.005835	mg/L	0.005835	mg/L	09:48:56
1	B 249.677 Rt	8.4	0.9	0.000455	mg/L	0.000455	mg/L	09:48:56
1	Be 313.107 Rt	108.9	5.1	0.000036	mg/L	0.000036	mg/L	09:48:56
1	Ca 315.887 Rt	-71.7	-13.1	-0.003540	mg/L	-0.003540	mg/L	09:48:56
1	Fe 273.955 Rt	17.3	-1.9	-0.002161	mg/L	-0.002161	mg/L	09:48:56
1	K 766.490 Rt	309.0	-11.1	-0.004257	mg/L	-0.004257	mg/L	09:48:36
1	Li 670.784 Rt	70.3	-37.0	-0.000397	mg/L	-0.000397	mg/L	09:48:36
1	Mg 279.077 Rt	9.0	5.8	0.011066	mg/L	0.011066	mg/L	09:48:56
1	Mn 260.568 Rt	12.6	-8.6	-0.000626	mg/L	-0.000626	mg/L	09:48:56
1	Na 589.592 Rt	82.3	-0.9	-0.000120	mg/L	-0.000120	mg/L	09:48:36
1	Si 251.611 Rt	44.9	-2.0	-0.001490	mg/L	-0.001490	mg/L	09:48:56
1	SIO2 251.611 Rt	44.9	-2.0	-0.003189	mg/L	-0.003189	mg/L	09:48:56
1	Sr 421.552 Rt	155.5	-41.3	-0.000051	mg/L	-0.000051	mg/L	09:48:36
1	Lu 261.542 A	2520090.7	2520090.7	103.947	%			09:49:40
1	Ag 328.068 At	-328.2	36.7	0.000256	mg/L	0.000256	mg/L	09:49:50
1	As 188.979 At	-8.1	0.8	0.000923	mg/L	0.000923	mg/L	09:50:11
1	Ba 233.527 At	-52.4	3.5	0.000080	mg/L	0.000080	mg/L	09:50:11
1	Bi 222.821 At	35.8	0.2	0.000177	mg/L	0.000177	mg/L	09:50:11
1	Cd 226.502 At	-54.0	5.0	0.000147	mg/L	0.000147	mg/L	09:50:11
1	Co 228.616 At	-90.0	0.3	0.000016	mg/L	0.000016	mg/L	09:50:11
1	Cr 267.716 At	161.5	-7.7	-0.000196	mg/L	-0.000196	mg/L	09:50:11
1	Cu 324.752 At	2876.8	207.9	0.001157	mg/L	0.001157	mg/L	09:49:50
1	Ga 417.206 At	-83.8	-5.3	-0.000063	mg/L	-0.000063	mg/L	09:49:50
1	La 379.478 At	-470.7	12.2	0.000062	mg/L	0.000062	mg/L	09:49:50
1	Mo 202.031 At	42.3	10.6	0.001280	mg/L	0.001280	mg/L	09:50:11
1	Ni 232.003 At	-76.4	12.2	0.001161	mg/L	0.001161	mg/L	09:50:11
1	P 213.617 At	-65.1	3.8	0.002177	mg/L	0.002177	mg/L	09:50:11
1	Pb 220.353 At	45.1	1.1	0.000284	mg/L	0.000284	mg/L	09:50:11
1	Sb 206.836 At	-7.0	3.7	0.002102	mg/L	0.002102	mg/L	09:50:11
1	Sc 361.383 At	15.1	8.0	0.000007	mg/L	0.000007	mg/L	09:49:50
1	Se 196.026 At	-24.7	1.9	0.004108	mg/L	0.004108	mg/L	09:50:11
1	Sn 189.927 At	-29.8	-0.5	-0.000174	mg/L	-0.000174	mg/L	09:50:11
1	Ti 336.121 At	-444.2	4.4	0.000016	mg/L	0.000016	mg/L	09:49:50
1	Tl 190.801 At	-5.9	2.4	0.002958	mg/L	0.002958	mg/L	09:50:11
1	V 292.402 At	-314.9	-5.8	-0.000060	mg/L	-0.000060	mg/L	09:49:50
1	Zn 206.200 At	20.7	-4.8	-0.000483	mg/L	-0.000483	mg/L	09:50:11
2	Lu 261.542 R	180098.3	180098.3	103.775	%			09:49:06
2	Al 308.215 Rt	65.4	10.2	0.010475	mg/L	0.010475	mg/L	09:49:27
2	B 249.677 Rt	11.2	3.5	0.001827	mg/L	0.001827	mg/L	09:49:27
2	Be 313.107 Rt	107.3	3.7	0.000026	mg/L	0.000026	mg/L	09:49:27
2	Ca 315.887 Rt	-77.4	-18.6	-0.005035	mg/L	-0.005035	mg/L	09:49:27
2	Fe 273.955 Rt	18.0	-1.3	-0.001438	mg/L	-0.001438	mg/L	09:49:27
2	K 766.490 Rt	318.8	-1.3	-0.000489	mg/L	-0.000489	mg/L	09:49:06
2	Li 670.784 Rt	93.8	-14.3	-0.000153	mg/L	-0.000153	mg/L	09:49:06
2	Mg 279.077 Rt	10.9	7.6	0.014462	mg/L	0.014462	mg/L	09:49:27
2	Mn 260.568 Rt	11.3	-9.8	-0.000711	mg/L	-0.000711	mg/L	09:49:27
2	Na 589.592 Rt	82.6	-0.5	-0.000063	mg/L	-0.000063	mg/L	09:49:06
2	Si 251.611 Rt	46.5	-0.5	-0.000394	mg/L	-0.000394	mg/L	09:49:27
2	SIO2 251.611 Rt	46.5	-0.5	-0.000843	mg/L	-0.000843	mg/L	09:49:27
2	Sr 421.552 Rt	152.7	-43.8	-0.000054	mg/L	-0.000054	mg/L	09:49:06
2	Lu 261.542 A	2502499.3	2502499.3	103.221	%			09:50:22
2	Ag 328.068 At	-344.1	19.1	0.000142	mg/L	0.000142	mg/L	09:50:32
2	As 188.979 At	-12.1	-3.1	-0.003511	mg/L	-0.003511	mg/L	09:50:53
2	Ba 233.527 At	-54.7	0.8	0.000019	mg/L	0.000019	mg/L	09:50:53
2	Bi 222.821 At	37.2	1.7	0.001629	mg/L	0.001629	mg/L	09:50:53
2	Cd 226.502 At	-47.1	11.3	0.000329	mg/L	0.000329	mg/L	09:50:53
2	Co 228.616 At	-91.2	-1.5	-0.000082	mg/L	-0.000082	mg/L	09:50:53
2	Cr 267.716 At	161.9	-6.2	-0.000158	mg/L	-0.000158	mg/L	09:50:53
2	Cu 324.752 At	2848.8	200.2	0.001114	mg/L	0.001114	mg/L	09:50:32

Method: ILMO5 OPT5 Page 28 Date: 5/20/2009 9:50:55 AM

2	Ga 417.206 At	-83.6	-5.7	-0.000068 mg/L	-0.000068 mg/L	09:50:32
2	La 379.478 At	-489.9	-9.5	-0.000048 mg/L	-0.000048 mg/L	09:50:32
2	Mo 202.031 At	40.4	9.0	0.001089 mg/L	0.001089 mg/L	09:50:53
2	Ni 232.003 At	-76.8	11.3	0.001080 mg/L	0.001080 mg/L	09:50:53
2	P 213.617 At	-62.2	6.2	0.003569 mg/L	0.003569 mg/L	09:50:53
2	Pb 220.353 At	44.1	0.4	0.000097 mg/L	0.000097 mg/L	09:50:53
2	Sb 206.836 At	-8.4	2.2	0.001269 mg/L	0.001269 mg/L	09:50:53
2	Sc 361.383 At	12.1	5.1	0.000004 mg/L	0.000004 mg/L	09:50:32
2	Se 196.026 At	-26.1	0.4	0.000876 mg/L	0.000876 mg/L	09:50:53
2	Sn 189.927 At	-26.7	2.3	0.000889 mg/L	0.000889 mg/L	09:50:53
2	Ti 336.121 At	-451.3	-5.5	-0.000020 mg/L	-0.000020 mg/L	09:50:32
2	Tl 190.801 At	-6.5	1.8	0.002219 mg/L	0.002219 mg/L	09:50:53
2	V 292.402 At	-304.2	2.4	0.000036 mg/L	0.000036 mg/L	09:50:32
2	Zn 206.200 At	19.7	-5.7	-0.000570 mg/L	-0.000570 mg/L	09:50:53

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	180204.4	103.836	%	0.0864				0.08%
Lu 261.542 A	2511295.0	103.584	%	0.5131				0.50%
Ag 328.068 At	27.9	0.000199	mg/L	0.0000802	0.000199	mg/L	0.0000802	40.37%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	8.0	0.008155	mg/L	0.0032813	0.008155	mg/L	0.0032813	40.24%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	-1.1	-0.001294	mg/L	0.0031354	-0.001294	mg/L	0.0031354	242.23%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	2.2	0.001141	mg/L	0.0009702	0.001141	mg/L	0.0009702	85.04%
Ba 233.527 At	2.1	0.000049	mg/L	0.0000428	0.000049	mg/L	0.0000428	86.94%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	4.4	0.000031	mg/L	0.0000070	0.000031	mg/L	0.0000070	22.70%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	1.0	0.000903	mg/L	0.0010264	0.000903	mg/L	0.0010264	113.66%
Ca 315.887 Rt	-15.9	-0.004287	mg/L	0.0010573	-0.004287	mg/L	0.0010573	24.66%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	8.2	0.000238	mg/L	0.0001285	0.000238	mg/L	0.0001285	53.99%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-0.6	-0.000033	mg/L	0.0000690	-0.000033	mg/L	0.0000690	208.77%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-7.0	-0.000177	mg/L	0.0000272	-0.000177	mg/L	0.0000272	15.38%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	204.0	0.001135	mg/L	0.0000303	0.001135	mg/L	0.0000303	2.67%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-1.6	-0.001800	mg/L	0.0005115	-0.001800	mg/L	0.0005115	28.42%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-5.5	-0.000066	mg/L	0.0000034	-0.000066	mg/L	0.0000034	5.13%
K 766.490 Rt	-6.2	-0.002373	mg/L	0.0026650	-0.002373	mg/L	0.0026650	112.31%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	1.3	0.000007	mg/L	0.0000780	0.000007	mg/L	0.0000780	>999.9%
Li 670.784 Rt	-25.7	-0.000275	mg/L	0.0001726	-0.000275	mg/L	0.0001726	62.70%
Mg 279.077 Rt	6.7	0.012764	mg/L	0.0024015	0.012764	mg/L	0.0024015	18.81%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-9.2	-0.000668	mg/L	0.0000602	-0.000668	mg/L	0.0000602	9.01%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	9.8	0.001184	mg/L	0.0001354	0.001184	mg/L	0.0001354	11.43%
Na 589.592 Rt	-0.7	-0.000091	mg/L	0.0000405	-0.000091	mg/L	0.0000405	44.26%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	11.7	0.001121	mg/L	0.0000568	0.001121	mg/L	0.0000568	5.07%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	5.0	0.002873	mg/L	0.0009848	0.002873	mg/L	0.0009848	34.28%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	0.7	0.000190	mg/L	0.0001319	0.000190	mg/L	0.0001319	69.32%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	2.9	0.001686	mg/L	0.0005892	0.001686	mg/L	0.0005892	34.95%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	6.6	0.000006	mg/L	0.0000017	0.000006	mg/L	0.0000017	30.65%
Se 196.026 At	1.2	0.002492	mg/L	0.0022854	0.002492	mg/L	0.0022854	91.72%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-1.3	-0.000942	mg/L	0.0007753	-0.000942	mg/L	0.0007753	82.31%
SIO2 251.611 Rt	-1.3	-0.002016	mg/L	0.0016592	-0.002016	mg/L	0.0016592	82.31%
Sn 189.927 At	0.9	0.000357	mg/L	0.0007513	0.000357	mg/L	0.0007513	210.22%
Sr 421.552 Rt	-42.6	-0.000053	mg/L	0.0000022	-0.000053	mg/L	0.0000022	4.17%

Ti 336.121 At	-0.6	-0.000002	mg/L	0.0000256	-0.000002	mg/L	0.0000256 >999.9%
Tl 190.801 At	2.1	0.002589	mg/L	0.0005229	0.002589	mg/L	0.0005229 20.20%
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	-1.7	-0.000012	mg/L	0.0000683	-0.000012	mg/L	0.0000683 565.46%
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	-5.2	-0.000526	mg/L	0.0000615	-0.000526	mg/L	0.0000615 11.69%
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: ME2QQ6
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 5/20/2009 9:52:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ6

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	177195.8	177195.8	102.103	%			09:54:32
1	Al 308.215 Rt	18666.1	18228.9	18.7202	mg/L	18.7202	mg/L	09:54:32
1	B 249.677 Rt	97.4	88.2	0.045957	mg/L	0.045957	mg/L	09:54:52
1	Be 313.107 Rt	344.2	237.3	0.001631	mg/L	0.001631	mg/L	09:54:52
1	Ca 315.887 Rt	132534.8	129861.1	35.0976	mg/L	35.0976	mg/L	09:54:32
1	Fe 273.955 Rt	46450.6	45475.3	51.0155	mg/L	51.0155	mg/L	09:54:32
1	K 766.490 Rt	4716.5	4310.9	1.64836	mg/L	1.64836	mg/L	09:54:32
1	Li 670.784 Rt	1915.9	1771.8	0.019006	mg/L	0.019006	mg/L	09:54:32
1	Mg 279.077 Rt	2730.2	2671.0	5.10856	mg/L	5.10856	mg/L	09:54:52
1	Mn 260.568 Rt	9280.5	9068.7	0.656580	mg/L	0.656580	mg/L	09:54:52
1	Na 589.592 Rt	4850.5	4670.4	0.592231	mg/L	0.592231	mg/L	09:54:32
1	Si 251.611 Rt	11449.5	11168.4	8.07663	mg/L	8.07663	mg/L	09:54:52
1	SIO2 251.611 Rt	11449.5	11168.4	17.2840	mg/L	17.2840	mg/L	09:54:52
1	Sr 421.552 Rt	43061.3	41983.5	0.051844	mg/L	0.051844	mg/L	09:54:32
1	Lu 261.542 A	2370126.6	2370126.6	97.7613	%			09:55:36
1	Ag 328.068 At	-493.8	-152.7	0.000880	mg/L	0.000880	mg/L	09:55:47
1	As 188.979 At	23.5	32.6	0.037068	mg/L	0.037068	mg/L	09:56:07
1	Ba 233.527 At	15627.5	16039.2	0.368158	mg/L	0.368158	mg/L	09:55:47
1	Bi 222.821 At	59.6	26.6	-0.012291	mg/L	-0.012291	mg/L	09:56:07
1	Cd 226.502 At	367.3	432.7	-0.000647	mg/L	-0.000647	mg/L	09:56:07
1	Co 228.616 At	35.7	123.4	0.005823	mg/L	0.005823	mg/L	09:56:07
1	Cr 267.716 At	2216.0	2103.7	0.053318	mg/L	0.053318	mg/L	09:56:07
1	Cu 324.752 At	19291.9	17174.0	0.095612	mg/L	0.095612	mg/L	09:55:47
1	Ga 417.206 At	1313.8	1419.2	0.003939	mg/L	0.003939	mg/L	09:55:47
1	La 379.478 At	5487.7	6078.4	0.030830	mg/L	0.030830	mg/L	09:55:47
1	Mo 202.031 At	160.0	133.5	0.011979	mg/L	0.011979	mg/L	09:56:07
1	Ni 232.003 At	-51.6	32.9	0.052375	mg/L	0.052375	mg/L	09:55:47
1	P 213.617 At	2640.8	2767.8	1.62972	mg/L	1.62972	mg/L	09:56:07
1	Pb 220.353 At	916.1	894.8	0.227744	mg/L	0.227744	mg/L	09:56:07
1	Sb 206.836 At	8.4	19.0	0.008695	mg/L	0.008695	mg/L	09:56:07
1	Sc 361.383 At	4914.1	5020.1	0.004279	mg/L	0.004279	mg/L	09:55:47
1	Se 196.026 At	-31.1	-6.1	-0.007113	mg/L	-0.007113	mg/L	09:56:07
1	Sn 189.927 At	27.4	56.2	0.021360	mg/L	0.021360	mg/L	09:56:07
1	Ti 336.121 At	100965.6	103709.3	0.378066	mg/L	0.378066	mg/L	09:55:47
1	Tl 190.801 At	-12.1	-4.3	-0.000711	mg/L	-0.000711	mg/L	09:56:07
1	V 292.402 At	4623.0	5026.0	0.056390	mg/L	0.056390	mg/L	09:55:47
1	Zn 206.200 At	6303.4	6423.0	0.642614	mg/L	0.642614	mg/L	09:55:47
2	Lu 261.542 R	176727.5	176727.5	101.833	%			09:55:03
2	Al 308.215 Rt	18555.8	18169.0	18.6587	mg/L	18.6587	mg/L	09:55:03
2	B 249.677 Rt	98.2	89.2	0.046506	mg/L	0.046506	mg/L	09:55:23
2	Be 313.107 Rt	346.1	240.1	0.001650	mg/L	0.001650	mg/L	09:55:23
2	Ca 315.887 Rt	132894.6	130558.4	35.2861	mg/L	35.2861	mg/L	09:55:03
2	Fe 273.955 Rt	46340.9	45488.2	51.0300	mg/L	51.0300	mg/L	09:55:03
2	K 766.490 Rt	4698.7	4305.6	1.64634	mg/L	1.64634	mg/L	09:55:03
2	Li 670.784 Rt	1860.6	1722.4	0.018476	mg/L	0.018476	mg/L	09:55:03
2	Mg 279.077 Rt	2727.4	2675.4	5.11691	mg/L	5.11691	mg/L	09:55:23
2	Mn 260.568 Rt	9289.8	9101.9	0.658997	mg/L	0.658997	mg/L	09:55:23
2	Na 589.592 Rt	4830.0	4663.0	0.591282	mg/L	0.591282	mg/L	09:55:03
2	Si 251.611 Rt	11482.3	11230.3	8.12136	mg/L	8.12136	mg/L	09:55:23
2	SIO2 251.611 Rt	11482.3	11230.3	17.3797	mg/L	17.3797	mg/L	09:55:23
2	Sr 421.552 Rt	42834.1	41872.1	0.051706	mg/L	0.051706	mg/L	09:55:03
2	Lu 261.542 A	2371590.0	2371590.0	97.8217	%			09:56:18
2	Ag 328.068 At	-493.3	-151.9	0.000879	mg/L	0.000879	mg/L	09:56:29
2	As 188.979 At	25.9	35.0	0.039788	mg/L	0.039788	mg/L	09:56:49
2	Ba 233.527 At	15754.4	16159.1	0.370911	mg/L	0.370911	mg/L	09:56:29
2	Bi 222.821 At	57.9	24.9	-0.013883	mg/L	-0.013883	mg/L	09:56:49
2	Cd 226.502 At	360.9	425.9	-0.000844	mg/L	-0.000844	mg/L	09:56:49
2	Co 228.616 At	41.6	129.5	0.006143	mg/L	0.006143	mg/L	09:56:49
2	Cr 267.716 At	2215.4	2101.7	0.053267	mg/L	0.053267	mg/L	09:56:49
2	Cu 324.752 At	19544.5	17420.1	0.096982	mg/L	0.096982	mg/L	09:56:29

Method: ILMO5 OPT5 Page 31 Date: 5/20/2009 9:56:52 AM

2	Ga 417.206 At	1326.6	1431.4	0.004071 mg/L	0.004071 mg/L	09:56:29
2	La 379.478 At	5590.7	6180.2	0.031347 mg/L	0.031347 mg/L	09:56:29
2	Mo 202.031 At	159.4	132.8	0.011861 mg/L	0.011861 mg/L	09:56:49
2	Ni 232.003 At	-31.9	53.1	0.054326 mg/L	0.054326 mg/L	09:56:29
2	P 213.617 At	2639.7	2764.9	1.62806 mg/L	1.62806 mg/L	09:56:49
2	Pb 220.353 At	925.9	904.2	0.230166 mg/L	0.230166 mg/L	09:56:49
2	Sb 206.836 At	8.2	18.8	0.008589 mg/L	0.008589 mg/L	09:56:49
2	Sc 361.383 At	4949.6	5053.3	0.004307 mg/L	0.004307 mg/L	09:56:29
2	Se 196.026 At	-29.1	-4.0	-0.002617 mg/L	-0.002617 mg/L	09:56:49
2	Sn 189.927 At	25.3	54.1	0.020533 mg/L	0.020533 mg/L	09:56:49
2	Ti 336.121 At	101841.7	104541.2	0.381100 mg/L	0.381100 mg/L	09:56:29
2	Tl 190.801 At	-12.5	-4.7	-0.001170 mg/L	-0.001170 mg/L	09:56:49
2	V 292.402 At	4668.0	5069.1	0.056900 mg/L	0.056900 mg/L	09:56:29
2	Zn 206.200 At	6327.3	6443.4	0.644655 mg/L	0.644655 mg/L	09:56:29

Mean Data: ME2QQ6

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	176961.7	101.968	%	0.1908				0.19%
Lu 261.542 A	2370858.3	97.7915	%	0.04268				0.04%
Ag 328.068 At	-152.3	0.000879	mg/L	0.0000004	0.000879	mg/L	0.0000004	0.05%
Al 308.215 Rt	18198.9	18.6894	mg/L	0.04351	18.6894	mg/L	0.04351	0.23%
As 188.979 At	33.8	0.038428	mg/L	0.0019235	0.038428	mg/L	0.0019235	5.01%
B 249.677 Rt	88.7	0.046231	mg/L	0.0003882	0.046231	mg/L	0.0003882	0.84%
Ba 233.527 At	16099.1	0.369535	mg/L	0.0019464	0.369535	mg/L	0.0019464	0.53%
Be 313.107 Rt	238.7	0.001640	mg/L	0.0000135	0.001640	mg/L	0.0000135	0.82%
Bi 222.821 At	25.7	-0.013087	mg/L	0.0011258	-0.013087	mg/L	0.0011258	8.60%
Ca 315.887 Rt	130209.7	35.1919	mg/L	0.13326	35.1919	mg/L	0.13326	0.38%
Cd 226.502 At	429.3	-0.000746	mg/L	0.0001391	-0.000746	mg/L	0.0001391	18.66%
Co 228.616 At	126.4	0.005983	mg/L	0.0002262	0.005983	mg/L	0.0002262	3.78%
Cr 267.716 At	2102.7	0.053292	mg/L	0.0000366	0.053292	mg/L	0.0000366	0.07%
Cu 324.752 At	17297.0	0.096297	mg/L	0.0009688	0.096297	mg/L	0.0009688	1.01%
Fe 273.955 Rt	45481.7	51.0228	mg/L	0.01021	51.0228	mg/L	0.01021	0.02%
Ga 417.206 At	1425.3	0.004005	mg/L	0.0000935	0.004005	mg/L	0.0000935	2.33%
K 766.490 Rt	4308.2	1.64735	mg/L	0.001433	1.64735	mg/L	0.001433	0.09%
La 379.478 At	6129.3	0.031089	mg/L	0.0003653	0.031089	mg/L	0.0003653	1.18%
Li 670.784 Rt	1747.1	0.018741	mg/L	0.0003748	0.018741	mg/L	0.0003748	2.00%
Mg 279.077 Rt	2673.2	5.11273	mg/L	0.005907	5.11273	mg/L	0.005907	0.12%
Mn 260.568 Rt	9085.3	0.657789	mg/L	0.0017086	0.657789	mg/L	0.0017086	0.26%
Mo 202.031 At	133.2	0.011920	mg/L	0.0000839	0.011920	mg/L	0.0000839	0.70%
Na 589.592 Rt	4666.7	0.591756	mg/L	0.0006708	0.591756	mg/L	0.0006708	0.11%
Ni 232.003 At	43.0	0.053350	mg/L	0.0013791	0.053350	mg/L	0.0013791	2.59%
P 213.617 At	2766.3	1.62889	mg/L	0.001177	1.62889	mg/L	0.001177	0.07%
Pb 220.353 At	899.5	0.228955	mg/L	0.0017128	0.228955	mg/L	0.0017128	0.75%
Sb 206.836 At	18.9	0.008642	mg/L	0.0000746	0.008642	mg/L	0.0000746	0.86%
Sc 361.383 At	5036.7	0.004293	mg/L	0.0000200	0.004293	mg/L	0.0000200	0.47%
Se 196.026 At	-5.1	-0.004865	mg/L	0.0031792	-0.004865	mg/L	0.0031792	65.35%
Si 251.611 Rt	11199.3	8.09899	mg/L	0.031627	8.09899	mg/L	0.031627	0.39%
SIO2 251.611 Rt	11199.3	17.3318	mg/L	0.06768	17.3318	mg/L	0.06768	0.39%
Sn 189.927 At	55.2	0.020946	mg/L	0.0005846	0.020946	mg/L	0.0005846	2.79%
Sr 421.552 Rt	41927.8	0.051775	mg/L	0.0000973	0.051775	mg/L	0.0000973	0.19%
Ti 336.121 At	104125.3	0.379583	mg/L	0.0021455	0.379583	mg/L	0.0021455	0.57%
Tl 190.801 At	-4.5	-0.000941	mg/L	0.0003246	-0.000941	mg/L	0.0003246	34.50%
V 292.402 At	5047.5	0.056645	mg/L	0.0003601	0.056645	mg/L	0.0003601	0.64%
Zn 206.200 At	6433.2	0.643634	mg/L	0.0014430	0.643634	mg/L	0.0014430	0.22%

Sequence No.: 13
Sample ID: ME2QQ7
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 5/20/2009 9:58:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ7

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	175678.1	175678.1	101.228	%			10:00:29
1	Al 308.215 Rt	13174.7	12962.0	13.3107	mg/L	13.3107	mg/L	10:00:29
1	B 249.677 Rt	77.8	69.6	0.036304	mg/L	0.036304	mg/L	10:00:49
1	Be 313.107 Rt	372.0	267.7	0.001836	mg/L	0.001836	mg/L	10:00:49
1	Ca 315.887 Rt	141009.7	139354.5	37.6634	mg/L	37.6634	mg/L	10:00:29
1	Fe 273.955 Rt	44126.6	43572.5	48.8823	mg/L	48.8823	mg/L	10:00:29
1	K 766.490 Rt	2896.6	2552.9	0.976168	mg/L	0.976168	mg/L	10:00:29
1	Li 670.784 Rt	1042.6	925.3	0.009926	mg/L	0.009926	mg/L	10:00:29
1	Mg 279.077 Rt	4329.4	4273.9	8.17428	mg/L	8.17428	mg/L	10:00:49
1	Mn 260.568 Rt	8123.3	8004.0	0.579139	mg/L	0.579139	mg/L	10:00:49
1	Na 589.592 Rt	9989.6	9788.2	1.24119	mg/L	1.24119	mg/L	10:00:29
1	Si 251.611 Rt	7212.8	7080.0	5.11708	mg/L	5.11708	mg/L	10:00:49
1	SIO2 251.611 Rt	7212.8	7080.0	10.9505	mg/L	10.9505	mg/L	10:00:49
1	Sr 421.552 Rt	95581.1	94230.3	0.116361	mg/L	0.116361	mg/L	10:00:29
1	Lu 261.542 A	2369986.1	2369986.1	97.7556	%			10:01:33
1	Ag 328.068 At	-151.5	197.4	0.003290	mg/L	0.003290	mg/L	10:01:44
1	As 188.979 At	8.5	17.3	0.019974	mg/L	0.019974	mg/L	10:02:04
1	Ba 233.527 At	17322.0	17773.5	0.407968	mg/L	0.407968	mg/L	10:01:44
1	Bi 222.821 At	64.6	31.8	-0.005759	mg/L	-0.005759	mg/L	10:02:04
1	Cd 226.502 At	451.2	518.5	0.002233	mg/L	0.002233	mg/L	10:02:04
1	Co 228.616 At	82.6	171.4	0.008196	mg/L	0.008196	mg/L	10:02:04
1	Cr 267.716 At	3000.3	2906.1	0.073670	mg/L	0.073670	mg/L	10:01:44
1	Cu 324.752 At	31522.6	29686.7	0.165240	mg/L	0.165240	mg/L	10:01:44
1	Ga 417.206 At	1221.8	1325.2	0.002901	mg/L	0.002901	mg/L	10:01:44
1	La 379.478 At	5883.8	6483.9	0.032887	mg/L	0.032887	mg/L	10:01:44
1	Mo 202.031 At	159.1	132.5	0.013431	mg/L	0.013431	mg/L	10:02:04
1	Ni 232.003 At	-62.7	21.5	0.048458	mg/L	0.048458	mg/L	10:01:44
1	P 213.617 At	6103.0	6309.6	3.68762	mg/L	3.68762	mg/L	10:01:44
1	Pb 220.353 At	2466.6	2480.9	0.634146	mg/L	0.634146	mg/L	10:02:04
1	Sb 206.836 At	8.2	18.7	0.008372	mg/L	0.008372	mg/L	10:02:04
1	Sc 361.383 At	3677.3	3755.2	0.003201	mg/L	0.003201	mg/L	10:01:44
1	Se 196.026 At	-31.4	-6.5	-0.008768	mg/L	-0.008768	mg/L	10:02:04
1	Sn 189.927 At	77.8	107.8	0.040932	mg/L	0.040932	mg/L	10:02:04
1	Ti 336.121 At	127861.6	131229.0	0.478414	mg/L	0.478414	mg/L	10:01:44
1	Tl 190.801 At	-11.7	-3.9	-0.000615	mg/L	-0.000615	mg/L	10:02:04
1	V 292.402 At	4206.2	4599.9	0.051441	mg/L	0.051441	mg/L	10:01:44
1	Zn 206.200 At	10987.3	11214.9	1.12220	mg/L	1.12220	mg/L	10:01:44
2	Lu 261.542 R	176552.7	176552.7	101.732	%			10:01:00
2	Al 308.215 Rt	13243.2	12964.9	13.3136	mg/L	13.3136	mg/L	10:01:00
2	B 249.677 Rt	77.3	68.8	0.035884	mg/L	0.035884	mg/L	10:01:20
2	Be 313.107 Rt	366.9	260.9	0.001789	mg/L	0.001789	mg/L	10:01:20
2	Ca 315.887 Rt	141734.1	139376.6	37.6694	mg/L	37.6694	mg/L	10:01:00
2	Fe 273.955 Rt	44339.6	43566.0	48.8749	mg/L	48.8749	mg/L	10:01:00
2	K 766.490 Rt	2884.2	2526.6	0.966089	mg/L	0.966089	mg/L	10:01:00
2	Li 670.784 Rt	1052.5	929.9	0.009975	mg/L	0.009975	mg/L	10:01:00
2	Mg 279.077 Rt	4325.0	4248.5	8.12554	mg/L	8.12554	mg/L	10:01:20
2	Mn 260.568 Rt	8122.2	7963.2	0.576169	mg/L	0.576169	mg/L	10:01:20
2	Na 589.592 Rt	9952.1	9702.5	1.23032	mg/L	1.23032	mg/L	10:01:00
2	Si 251.611 Rt	7209.0	7040.9	5.08885	mg/L	5.08885	mg/L	10:01:20
2	SIO2 251.611 Rt	7209.0	7040.9	10.8901	mg/L	10.8901	mg/L	10:01:20
2	Sr 421.552 Rt	95983.0	94157.6	0.116271	mg/L	0.116271	mg/L	10:01:00
2	Lu 261.542 A	2391655.3	2391655.3	98.6494	%			10:02:15
2	Ag 328.068 At	-156.2	194.0	0.003271	mg/L	0.003271	mg/L	10:02:26
2	As 188.979 At	6.8	15.4	0.017890	mg/L	0.017890	mg/L	10:02:46
2	Ba 233.527 At	17380.9	17672.7	0.405654	mg/L	0.405654	mg/L	10:02:26
2	Bi 222.821 At	59.2	25.7	-0.011437	mg/L	-0.011437	mg/L	10:02:46
2	Cd 226.502 At	446.2	509.2	0.001965	mg/L	0.001965	mg/L	10:02:46
2	Co 228.616 At	82.1	170.1	0.008132	mg/L	0.008132	mg/L	10:02:46
2	Cr 267.716 At	3010.6	2888.8	0.073230	mg/L	0.073230	mg/L	10:02:26
2	Cu 324.752 At	31698.3	29572.6	0.164606	mg/L	0.164606	mg/L	10:02:26

2	Ga 417.206 At	1215.8	1307.8	0.002704 mg/L	0.002704 mg/L	10:02:26
2	La 379.478 At	5956.9	6503.5	0.032987 mg/L	0.032987 mg/L	10:02:26
2	Mo 202.031 At	154.7	126.6	0.012726 mg/L	0.012726 mg/L	10:02:46
2	Ni 232.003 At	-83.1	1.4	0.046541 mg/L	0.046541 mg/L	10:02:26
2	P 213.617 At	6108.2	6258.3	3.65773 mg/L	3.65773 mg/L	10:02:26
2	Pb 220.353 At	2458.3	2449.7	0.626133 mg/L	0.626133 mg/L	10:02:46
2	Sb 206.836 At	6.0	16.5	0.007085 mg/L	0.007085 mg/L	10:02:46
2	Sc 361.383 At	3688.0	3732.0	0.003181 mg/L	0.003181 mg/L	10:02:26
2	Se 196.026 At	-27.8	-2.6	-0.000316 mg/L	-0.000316 mg/L	10:02:46
2	Sn 189.927 At	76.5	105.7	0.040143 mg/L	0.040143 mg/L	10:02:46
2	Ti 336.121 At	128276.0	130464.0	0.475623 mg/L	0.475623 mg/L	10:02:26
2	Tl 190.801 At	-9.9	-1.9	0.001818 mg/L	0.001818 mg/L	10:02:46
2	V 292.402 At	4217.3	4572.1	0.051108 mg/L	0.051108 mg/L	10:02:26
2	Zn 206.200 At	11008.9	11134.9	1.11420 mg/L	1.11420 mg/L	10:02:26

Mean Data: ME2QQ7

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	176115.4	101.480	%	0.3563				0.35%
Lu 261.542 A	2380820.7	98.2025	%	0.63201				0.64%
Ag 328.068 At	195.7	0.003280	mg/L	0.0000132	0.003280	mg/L	0.0000132	0.40%
Al 308.215 Rt	12963.4	13.3122	mg/L	0.00208	13.3122	mg/L	0.00208	0.02%
As 188.979 At	16.4	0.018932	mg/L	0.0014737	0.018932	mg/L	0.0014737	7.78%
B 249.677 Rt	69.2	0.036094	mg/L	0.0002971	0.036094	mg/L	0.0002971	0.82%
Ba 233.527 At	17723.1	0.406811	mg/L	0.0016363	0.406811	mg/L	0.0016363	0.40%
Be 313.107 Rt	264.3	0.001812	mg/L	0.0000333	0.001812	mg/L	0.0000333	1.84%
Bi 222.821 At	28.7	-0.008598	mg/L	0.0040150	-0.008598	mg/L	0.0040150	46.70%
Ca 315.887 Rt	139365.5	37.6664	mg/L	0.00422	37.6664	mg/L	0.00422	0.01%
Cd 226.502 At	513.8	0.002099	mg/L	0.0001898	0.002099	mg/L	0.0001898	9.04%
Co 228.616 At	170.8	0.008164	mg/L	0.0000454	0.008164	mg/L	0.0000454	0.56%
Cr 267.716 At	2897.4	0.073450	mg/L	0.0003112	0.073450	mg/L	0.0003112	0.42%
Cu 324.752 At	29629.6	0.164923	mg/L	0.0004486	0.164923	mg/L	0.0004486	0.27%
Fe 273.955 Rt	43569.2	48.8786	mg/L	0.00520	48.8786	mg/L	0.00520	0.01%
Ga 417.206 At	1316.5	0.002803	mg/L	0.0001392	0.002803	mg/L	0.0001392	4.97%
K 766.490 Rt	2539.7	0.971129	mg/L	0.0071270	0.971129	mg/L	0.0071270	0.73%
La 379.478 At	6493.7	0.032937	mg/L	0.0000701	0.032937	mg/L	0.0000701	0.21%
Li 670.784 Rt	927.6	0.009951	mg/L	0.0000352	0.009951	mg/L	0.0000352	0.35%
Mg 279.077 Rt	4261.2	8.14991	mg/L	0.034463	8.14991	mg/L	0.034463	0.42%
Mn 260.568 Rt	7983.6	0.577654	mg/L	0.0021002	0.577654	mg/L	0.0021002	0.36%
Mo 202.031 At	129.6	0.013079	mg/L	0.0004984	0.013079	mg/L	0.0004984	3.81%
Na 589.592 Rt	9745.4	1.23575	mg/L	0.007686	1.23575	mg/L	0.007686	0.62%
Ni 232.003 At	11.5	0.047500	mg/L	0.0013553	0.047500	mg/L	0.0013553	2.85%
P 213.617 At	6283.9	3.67267	mg/L	0.021133	3.67267	mg/L	0.021133	0.58%
Pb 220.353 At	2465.3	0.630139	mg/L	0.0056658	0.630139	mg/L	0.0056658	0.90%
Sb 206.836 At	17.6	0.007729	mg/L	0.0009101	0.007729	mg/L	0.0009101	11.78%
Sc 361.383 At	3743.6	0.003191	mg/L	0.0000140	0.003191	mg/L	0.0000140	0.44%
Se 196.026 At	-4.5	-0.004542	mg/L	0.0059764	-0.004542	mg/L	0.0059764	131.59%
Si 251.611 Rt	7060.5	5.10296	mg/L	0.019961	5.10296	mg/L	0.019961	0.39%
SIO2 251.611 Rt	7060.5	10.9203	mg/L	0.04272	10.9203	mg/L	0.04272	0.39%
Sn 189.927 At	106.7	0.040538	mg/L	0.0005581	0.040538	mg/L	0.0005581	1.38%
Sr 421.552 Rt	94194.0	0.116316	mg/L	0.0000635	0.116316	mg/L	0.0000635	0.05%
Ti 336.121 At	130846.5	0.477018	mg/L	0.0019734	0.477018	mg/L	0.0019734	0.41%
Tl 190.801 At	-2.9	0.000602	mg/L	0.0017205	0.000602	mg/L	0.0017205	285.92%
V 292.402 At	4586.0	0.051275	mg/L	0.0002361	0.051275	mg/L	0.0002361	0.46%
Zn 206.200 At	11174.9	1.11820	mg/L	0.005657	1.11820	mg/L	0.005657	0.51%

Sequence No.: 14
Sample ID: ME2QQ8
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 5/20/2009 10:04:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QQ8

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	173666.8	173666.8	100.069	%			10:06:22
1	Al 308.215 Rt	24273.2	24203.5	24.8552	mg/L	24.8552	mg/L	10:06:42
1	B 249.677 Rt	82.0	74.7	0.039094	mg/L	0.039094	mg/L	10:06:42
1	Be 313.107 Rt	460.4	360.3	0.002473	mg/L	0.002473	mg/L	10:06:42
1	Ca 315.887 Rt	492383.5	492097.7	133.000	mg/L	133.000	mg/L	10:06:22
1	Fe 273.955 Rt	210242.1	210077.5	235.683	mg/L	235.683	mg/L	10:06:22
1	K 766.490 Rt	7290.7	6977.1	2.66787	mg/L	2.66787	mg/L	10:06:42
1	Li 670.784 Rt	3216.3	3109.4	0.033355	mg/L	0.033355	mg/L	10:06:42
1	Mg 279.077 Rt	22683.1	22664.4	43.3477	mg/L	43.3477	mg/L	10:06:42
1	Mn 260.568 Rt	46596.3	46543.3	3.37088	mg/L	3.37088	mg/L	10:06:22
1	Na 589.592 Rt	3719.3	3636.6	0.461138	mg/L	0.461138	mg/L	10:06:42
1	Si 251.611 Rt	16812.4	16755.4	12.1154	mg/L	12.1154	mg/L	10:06:42
1	SIO2 251.611 Rt	16812.4	16755.4	25.9269	mg/L	25.9269	mg/L	10:06:42
1	Sr 421.552 Rt	117511.2	117238.7	0.144773	mg/L	0.144773	mg/L	10:06:22
1	Lu 261.542 A	2290135.9	2290135.9	94.4619	%			10:07:28
1	Ag 328.068 At	-1255.8	-977.0	0.002493	mg/L	0.002493	mg/L	10:07:38
1	As 188.979 At	52.5	64.2	0.071843	mg/L	0.071843	mg/L	10:07:58
1	Ba 233.527 At	15230.8	16177.6	0.371336	mg/L	0.371336	mg/L	10:07:38
1	Bi 222.821 At	126.9	100.1	-0.078406	mg/L	-0.078406	mg/L	10:07:58
1	Cd 226.502 At	1920.6	2090.2	-0.001677	mg/L	-0.001677	mg/L	10:07:38
1	Co 228.616 At	470.7	585.2	0.030158	mg/L	0.030158	mg/L	10:07:58
1	Cr 267.716 At	7214.9	7474.8	0.189249	mg/L	0.189249	mg/L	10:07:38
1	Cu 324.752 At	44924.4	44998.5	0.250181	mg/L	0.250181	mg/L	10:07:38
1	Ga 417.206 At	4674.8	5024.2	0.003860	mg/L	0.003860	mg/L	10:07:38
1	La 379.478 At	16562.2	17998.2	0.091289	mg/L	0.091289	mg/L	10:07:28
1	Mo 202.031 At	155.0	133.9	0.011418	mg/L	0.011418	mg/L	10:07:58
1	Ni 232.003 At	-935.8	-904.9	0.143599	mg/L	0.143599	mg/L	10:07:38
1	P 213.617 At	5133.9	5501.3	3.28705	mg/L	3.28705	mg/L	10:07:58
1	Pb 220.353 At	2471.0	2573.5	0.646136	mg/L	0.646136	mg/L	10:07:58
1	Sb 206.836 At	28.1	40.1	0.013523	mg/L	0.013523	mg/L	10:07:58
1	Sc 361.383 At	6928.8	7328.5	0.006246	mg/L	0.006246	mg/L	10:07:38
1	Se 196.026 At	-35.4	-11.8	-0.003375	mg/L	-0.003375	mg/L	10:07:58
1	Sn 189.927 At	194.5	234.1	0.088894	mg/L	0.088894	mg/L	10:07:58
1	Ti 336.121 At	183152.3	194321.7	0.707097	mg/L	0.707097	mg/L	10:07:28
1	Tl 190.801 At	-22.7	-16.0	0.003137	mg/L	0.003137	mg/L	10:07:58
1	V 292.402 At	7910.5	8671.4	0.087573	mg/L	0.087573	mg/L	10:07:38
1	Zn 206.200 At	18870.1	19951.7	1.99643	mg/L	1.99643	mg/L	10:07:38
2	Lu 261.542 R	174584.8	174584.8	100.598	%			10:06:53
2	Al 308.215 Rt	24132.0	23935.7	24.5801	mg/L	24.5801	mg/L	10:07:13
2	B 249.677 Rt	79.7	72.0	0.037690	mg/L	0.037690	mg/L	10:07:13
2	Be 313.107 Rt	456.1	353.7	0.002428	mg/L	0.002428	mg/L	10:07:13
2	Ca 315.887 Rt	497378.1	494475.6	133.642	mg/L	133.642	mg/L	10:06:53
2	Fe 273.955 Rt	211088.8	209814.6	235.388	mg/L	235.388	mg/L	10:06:53
2	K 766.490 Rt	7244.9	6893.3	2.63581	mg/L	2.63581	mg/L	10:07:13
2	Li 670.784 Rt	3179.4	3055.8	0.032780	mg/L	0.032780	mg/L	10:07:13
2	Mg 279.077 Rt	22661.5	22523.8	43.0788	mg/L	43.0788	mg/L	10:07:13
2	Mn 260.568 Rt	46779.5	46480.5	3.36634	mg/L	3.36634	mg/L	10:06:53
2	Na 589.592 Rt	3719.1	3616.9	0.458633	mg/L	0.458633	mg/L	10:07:13
2	Si 251.611 Rt	16764.6	16619.6	12.0171	mg/L	12.0171	mg/L	10:07:13
2	SIO2 251.611 Rt	16764.6	16619.6	25.7166	mg/L	25.7166	mg/L	10:07:13
2	Sr 421.552 Rt	117568.4	116678.1	0.144081	mg/L	0.144081	mg/L	10:06:53
2	Lu 261.542 A	2275000.4	2275000.4	93.8376	%			10:08:10
2	Ag 328.068 At	-1233.1	-961.7	0.002607	mg/L	0.002607	mg/L	10:08:21
2	As 188.979 At	45.6	57.1	0.063942	mg/L	0.063942	mg/L	10:08:41
2	Ba 233.527 At	15355.3	16417.5	0.376843	mg/L	0.376843	mg/L	10:08:21
2	Bi 222.821 At	130.2	104.5	-0.074195	mg/L	-0.074195	mg/L	10:08:41
2	Cd 226.502 At	1905.4	2087.5	-0.001682	mg/L	-0.001682	mg/L	10:08:21
2	Co 228.616 At	478.1	596.4	0.030768	mg/L	0.030768	mg/L	10:08:41
2	Cr 267.716 At	7275.1	7589.8	0.192170	mg/L	0.192170	mg/L	10:08:21
2	Cu 324.752 At	44838.6	45223.5	0.251433	mg/L	0.251433	mg/L	10:08:21

2	Ga 417.206 At	4689.6	5072.8	0.004511 mg/L	0.004511 mg/L	10:08:21
2	La 379.478 At	16526.6	18076.9	0.091689 mg/L	0.091689 mg/L	10:08:10
2	Mo 202.031 At	156.2	136.3	0.011747 mg/L	0.011747 mg/L	10:08:41
2	Ni 232.003 At	-907.8	-881.8	0.145427 mg/L	0.145427 mg/L	10:08:21
2	P 213.617 At	5114.2	5516.5	3.29580 mg/L	3.29580 mg/L	10:08:41
2	Pb 220.353 At	2465.7	2585.3	0.649156 mg/L	0.649156 mg/L	10:08:41
2	Sb 206.836 At	26.3	38.4	0.012520 mg/L	0.012520 mg/L	10:08:41
2	Sc 361.383 At	6968.3	7419.3	0.006324 mg/L	0.006324 mg/L	10:08:21
2	Se 196.026 At	-29.6	-5.9	0.009346 mg/L	0.009346 mg/L	10:08:41
2	Sn 189.927 At	192.9	233.8	0.088783 mg/L	0.088783 mg/L	10:08:41
2	Ti 336.121 At	182021.0	194406.1	0.707405 mg/L	0.707405 mg/L	10:08:10
2	Tl 190.801 At	-18.2	-11.3	0.008866 mg/L	0.008866 mg/L	10:08:41
2	V 292.402 At	7944.0	8762.8	0.088688 mg/L	0.088688 mg/L	10:08:21
2	Zn 206.200 At	19085.8	20314.4	2.03274 mg/L	2.03274 mg/L	10:08:21

Mean Data: ME2QQ8

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	174125.8	100.334	%	0.3740				0.37%
Lu 261.542 A	2282568.2	94.1498	%	0.44145				0.47%
Ag 328.068 At	-969.4	0.002550	mg/L	0.0000800	0.002550	mg/L	0.0000800	3.14%
Al 308.215 Rt	24069.6	24.7176	mg/L	0.19456	24.7176	mg/L	0.19456	0.79%
As 188.979 At	60.7	0.067893	mg/L	0.0055873	0.067893	mg/L	0.0055873	8.23%
B 249.677 Rt	73.3	0.038392	mg/L	0.0009927	0.038392	mg/L	0.0009927	2.59%
Ba 233.527 At	16297.5	0.374089	mg/L	0.0038939	0.374089	mg/L	0.0038939	1.04%
Be 313.107 Rt	357.0	0.002451	mg/L	0.0000325	0.002451	mg/L	0.0000325	1.33%
Bi 222.821 At	102.3	-0.076301	mg/L	0.0029773	-0.076301	mg/L	0.0029773	3.90%
Ca 315.887 Rt	493286.6	133.321	mg/L	0.4544	133.321	mg/L	0.4544	0.34%
Cd 226.502 At	2088.8	-0.001679	mg/L	0.0000036	-0.001679	mg/L	0.0000036	0.22%
Co 228.616 At	590.8	0.030463	mg/L	0.0004311	0.030463	mg/L	0.0004311	1.42%
Cr 267.716 At	7532.3	0.190710	mg/L	0.0020653	0.190710	mg/L	0.0020653	1.08%
Cu 324.752 At	45111.0	0.250807	mg/L	0.0008853	0.250807	mg/L	0.0008853	0.35%
Fe 273.955 Rt	209946.1	235.536	mg/L	0.2086	235.536	mg/L	0.2086	0.09%
Ga 417.206 At	5048.5	0.004186	mg/L	0.0004605	0.004186	mg/L	0.0004605	11.00%
K 766.490 Rt	6935.2	2.65184	mg/L	0.022671	2.65184	mg/L	0.022671	0.85%
La 379.478 At	18037.5	0.091489	mg/L	0.0002825	0.091489	mg/L	0.0002825	0.31%
Li 670.784 Rt	3082.6	0.033068	mg/L	0.0004067	0.033068	mg/L	0.0004067	1.23%
Mg 279.077 Rt	22594.1	43.2133	mg/L	0.19016	43.2133	mg/L	0.19016	0.44%
Mn 260.568 Rt	46511.9	3.36861	mg/L	0.003210	3.36861	mg/L	0.003210	0.10%
Mo 202.031 At	135.1	0.011582	mg/L	0.0002323	0.011582	mg/L	0.0002323	2.01%
Na 589.592 Rt	3626.7	0.459886	mg/L	0.0017714	0.459886	mg/L	0.0017714	0.39%
Ni 232.003 At	-893.3	0.144513	mg/L	0.0012922	0.144513	mg/L	0.0012922	0.89%
P 213.617 At	5508.9	3.29142	mg/L	0.006182	3.29142	mg/L	0.006182	0.19%
Pb 220.353 At	2579.4	0.647646	mg/L	0.0021355	0.647646	mg/L	0.0021355	0.33%
Sb 206.836 At	39.2	0.013021	mg/L	0.0007094	0.013021	mg/L	0.0007094	5.45%
Sc 361.383 At	7373.9	0.006285	mg/L	0.0000548	0.006285	mg/L	0.0000548	0.87%
Se 196.026 At	-8.9	0.002986	mg/L	0.0089949	0.002986	mg/L	0.0089949	301.26%
Si 251.611 Rt	16687.5	12.0662	mg/L	0.06950	12.0662	mg/L	0.06950	0.58%
SIO2 251.611 Rt	16687.5	25.8218	mg/L	0.14873	25.8218	mg/L	0.14873	0.58%
Sn 189.927 At	233.9	0.088839	mg/L	0.0000780	0.088839	mg/L	0.0000780	0.09%
Sr 421.552 Rt	116958.4	0.144427	mg/L	0.0004895	0.144427	mg/L	0.0004895	0.34%
Ti 336.121 At	194363.9	0.707251	mg/L	0.0002174	0.707251	mg/L	0.0002174	0.03%
Tl 190.801 At	-13.6	0.006001	mg/L	0.0040515	0.006001	mg/L	0.0040515	67.51%
V 292.402 At	8717.1	0.088130	mg/L	0.0007883	0.088130	mg/L	0.0007883	0.89%
Zn 206.200 At	20133.1	2.01458	mg/L	0.025673	2.01458	mg/L	0.025673	1.27%

Sequence No.: 15
Sample ID: ME2QR1
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 5/20/2009 10:10:29 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	175307.1	175307.1	101.015	%			10:12:20
1	Al 308.215 Rt	43102.6	42616.9	43.7650	mg/L	43.7650	mg/L	10:12:20
1	B 249.677 Rt	242.5	232.8	0.123216	mg/L	0.123216	mg/L	10:12:40
1	Be 313.107 Rt	578.3	472.7	0.003345	mg/L	0.003345	mg/L	10:12:40
1	Ca 315.887 Rt	219397.1	217249.4	58.7161	mg/L	58.7161	mg/L	10:12:20
1	Fe 273.955 Rt	271755.1	269006.9	301.798	mg/L	301.798	mg/L	10:12:20
1	K 766.490 Rt	81806.7	80676.5	30.8486	mg/L	30.8486	mg/L	10:12:20
1	Li 670.784 Rt	6436.9	6267.6	0.067234	mg/L	0.067234	mg/L	10:12:40
1	Mg 279.077 Rt	21662.2	21441.7	41.0091	mg/L	41.0091	mg/L	10:12:40
1	Mn 260.568 Rt	37587.9	37189.7	2.68610	mg/L	2.68610	mg/L	10:12:40
1	Na 589.592 Rt	165771.1	164025.9	20.7992	mg/L	20.7992	mg/L	10:12:20
1	Si 251.611 Rt	17688.3	17465.4	12.6253	mg/L	12.6253	mg/L	10:12:40
1	SIO2 251.611 Rt	17688.3	17465.4	27.0181	mg/L	27.0181	mg/L	10:12:40
1	Sr 421.552 Rt	114654.7	113312.2	0.139925	mg/L	0.139925	mg/L	10:12:20
1	Lu 261.542 A	2305002.4	2305002.4	95.0752	%			10:13:26
1	Ag 328.068 At	-624.1	-304.1	0.010159	mg/L	0.010159	mg/L	10:13:36
1	As 188.979 At	44.9	55.8	0.061168	mg/L	0.061168	mg/L	10:13:56
1	Ba 233.527 At	18709.7	19732.7	0.452938	mg/L	0.452938	mg/L	10:13:36
1	Bi 222.821 At	199.2	175.2	-0.086612	mg/L	-0.086612	mg/L	10:13:56
1	Cd 226.502 At	2549.2	2738.2	-0.000073	mg/L	-0.000073	mg/L	10:13:36
1	Co 228.616 At	564.7	680.8	0.034637	mg/L	0.034637	mg/L	10:13:56
1	Cr 267.716 At	53382.2	55984.3	1.42070	mg/L	1.42070	mg/L	10:13:36
1	Cu 324.752 At	103356.8	106151.0	0.590643	mg/L	0.590643	mg/L	10:13:26
1	Ga 417.206 At	6679.6	7100.9	0.012549	mg/L	0.012549	mg/L	10:13:36
1	La 379.478 At	21615.3	23200.0	0.117674	mg/L	0.117674	mg/L	10:13:26
1	Mo 202.031 At	258.1	241.3	0.026102	mg/L	0.026102	mg/L	10:13:36
1	Ni 232.003 At	-106.9	-26.7	0.252061	mg/L	0.252061	mg/L	10:13:36
1	P 213.617 At	11426.1	12084.5	7.13683	mg/L	7.13683	mg/L	10:13:36
1	Pb 220.353 At	4913.5	5125.7	1.29655	mg/L	1.29655	mg/L	10:13:56
1	Sb 206.836 At	45.4	58.2	0.010888	mg/L	0.010888	mg/L	10:13:56
1	Sc 361.383 At	10290.3	10816.8	0.009220	mg/L	0.009220	mg/L	10:13:36
1	Se 196.026 At	-30.2	-6.1	0.019060	mg/L	0.019060	mg/L	10:13:56
1	Sn 189.927 At	2228.7	2372.3	0.900940	mg/L	0.900940	mg/L	10:13:56
1	Ti 336.121 At	264083.4	278194.5	1.01391	mg/L	1.01391	mg/L	10:13:26
1	Tl 190.801 At	-22.6	-15.7	0.004663	mg/L	0.004663	mg/L	10:13:56
1	V 292.402 At	12879.7	13843.9	0.146932	mg/L	0.146932	mg/L	10:13:36
1	Zn 206.200 At	49068.6	51585.6	5.16078	mg/L	5.16078	mg/L	10:13:36
2	Lu 261.542 R	175191.8	175191.8	100.948	%			10:12:51
2	Al 308.215 Rt	43060.7	42603.4	43.7512	mg/L	43.7512	mg/L	10:12:51
2	B 249.677 Rt	238.8	229.3	0.121356	mg/L	0.121356	mg/L	10:13:11
2	Be 313.107 Rt	574.7	469.6	0.003323	mg/L	0.003323	mg/L	10:13:11
2	Ca 315.887 Rt	219488.8	217483.3	58.7793	mg/L	58.7793	mg/L	10:12:51
2	Fe 273.955 Rt	271510.3	268941.6	301.725	mg/L	301.725	mg/L	10:12:51
2	K 766.490 Rt	81516.1	80441.9	30.7589	mg/L	30.7589	mg/L	10:12:51
2	Li 670.784 Rt	6353.4	6189.0	0.066392	mg/L	0.066392	mg/L	10:13:11
2	Mg 279.077 Rt	21546.1	21340.8	40.8161	mg/L	40.8161	mg/L	10:13:11
2	Mn 260.568 Rt	37345.9	36974.5	2.67045	mg/L	2.67045	mg/L	10:13:11
2	Na 589.592 Rt	165171.3	163539.8	20.7375	mg/L	20.7375	mg/L	10:12:51
2	Si 251.611 Rt	17621.8	17411.0	12.5860	mg/L	12.5860	mg/L	10:13:11
2	SIO2 251.611 Rt	17621.8	17411.0	26.9340	mg/L	26.9340	mg/L	10:13:11
2	Sr 421.552 Rt	114211.8	112948.1	0.139475	mg/L	0.139475	mg/L	10:12:51
2	Lu 261.542 A	2305859.2	2305859.2	95.1105	%			10:14:09
2	Ag 328.068 At	-587.5	-265.4	0.010444	mg/L	0.010444	mg/L	10:14:19
2	As 188.979 At	39.8	50.4	0.055095	mg/L	0.055095	mg/L	10:14:39
2	Ba 233.527 At	18789.3	19809.1	0.454692	mg/L	0.454692	mg/L	10:14:19
2	Bi 222.821 At	197.4	173.2	-0.088296	mg/L	-0.088296	mg/L	10:14:39
2	Cd 226.502 At	2563.5	2752.2	0.000354	mg/L	0.000354	mg/L	10:14:19
2	Co 228.616 At	568.0	684.1	0.034818	mg/L	0.034818	mg/L	10:14:39
2	Cr 267.716 At	53321.6	55899.7	1.41855	mg/L	1.41855	mg/L	10:14:19
2	Cu 324.752 At	103420.2	106177.3	0.590790	mg/L	0.590790	mg/L	10:14:09

Method: ILMO5 OPT5 Page 37 Date: 5/20/2009 10:14:42 AM

2	Ga 417.206 At	6644.8	7061.7	0.012100 mg/L	0.012100 mg/L	10:14:19
2	La 379.478 At	21685.9	23265.8	0.118007 mg/L	0.118007 mg/L	10:14:09
2	Mo 202.031 At	262.3	245.6	0.026644 mg/L	0.026644 mg/L	10:14:19
2	Ni 232.003 At	-50.9	32.2	0.257651 mg/L	0.257651 mg/L	10:14:19
2	P 213.617 At	11416.5	12069.8	7.12833 mg/L	7.12833 mg/L	10:14:19
2	Pb 220.353 At	4934.5	5145.9	1.30174 mg/L	1.30174 mg/L	10:14:39
2	Sb 206.836 At	49.4	62.3	0.013287 mg/L	0.013287 mg/L	10:14:39
2	Sc 361.383 At	10288.0	10810.4	0.009214 mg/L	0.009214 mg/L	10:14:19
2	Se 196.026 At	-38.8	-15.1	-0.000325 mg/L	-0.000325 mg/L	10:14:39
2	Sn 189.927 At	2244.9	2388.5	0.907074 mg/L	0.907074 mg/L	10:14:39
2	Ti 336.121 At	263824.1	277818.7	1.01254 mg/L	1.01254 mg/L	10:14:09
2	Tl 190.801 At	-26.4	-19.7	-0.000329 mg/L	-0.000329 mg/L	10:14:39
2	V 292.402 At	12811.9	13767.7	0.146030 mg/L	0.146030 mg/L	10:14:19
2	Zn 206.200 At	49318.1	51828.7	5.18512 mg/L	5.18512 mg/L	10:14:19

Mean Data: ME2QR1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	175249.5	100.981	%	0.0470				0.05%
Lu 261.542 A	2305430.8	95.0928	%	0.02499				0.03%
Ag 328.068 At	-284.7	0.010302	mg/L	0.0002013	0.010302	mg/L	0.0002013	1.95%
Al 308.215 Rt	42610.2	43.7581	mg/L	0.00975	43.7581	mg/L	0.00975	0.02%
As 188.979 At	53.1	0.058132	mg/L	0.0042946	0.058132	mg/L	0.0042946	7.39%
B 249.677 Rt	231.1	0.122286	mg/L	0.0013150	0.122286	mg/L	0.0013150	1.08%
Ba 233.527 At	19770.9	0.453815	mg/L	0.0012404	0.453815	mg/L	0.0012404	0.27%
Be 313.107 Rt	471.2	0.003334	mg/L	0.0000155	0.003334	mg/L	0.0000155	0.47%
Bi 222.821 At	174.2	-0.087454	mg/L	0.0011907	-0.087454	mg/L	0.0011907	1.36%
Ca 315.887 Rt	217366.3	58.7477	mg/L	0.04470	58.7477	mg/L	0.04470	0.08%
Cd 226.502 At	2745.2	0.000140	mg/L	0.0003024	0.000140	mg/L	0.0003024	215.45%
Co 228.616 At	682.4	0.034728	mg/L	0.0001273	0.034728	mg/L	0.0001273	0.37%
Cr 267.716 At	55942.0	1.41962	mg/L	0.001516	1.41962	mg/L	0.001516	0.11%
Cu 324.752 At	106164.1	0.590717	mg/L	0.0001038	0.590717	mg/L	0.0001038	0.02%
Fe 273.955 Rt	268974.3	301.762	mg/L	0.0518	301.762	mg/L	0.0518	0.02%
Ga 417.206 At	7081.3	0.012325	mg/L	0.0003178	0.012325	mg/L	0.0003178	2.58%
K 766.490 Rt	80559.2	30.8038	mg/L	0.06341	30.8038	mg/L	0.06341	0.21%
La 379.478 At	23232.9	0.117841	mg/L	0.0002359	0.117841	mg/L	0.0002359	0.20%
Li 670.784 Rt	6228.3	0.066813	mg/L	0.0005957	0.066813	mg/L	0.0005957	0.89%
Mg 279.077 Rt	21391.2	40.9126	mg/L	0.13647	40.9126	mg/L	0.13647	0.33%
Mn 260.568 Rt	37082.1	2.67828	mg/L	0.011066	2.67828	mg/L	0.011066	0.41%
Mo 202.031 At	243.4	0.026373	mg/L	0.0003830	0.026373	mg/L	0.0003830	1.45%
Na 589.592 Rt	163782.9	20.7684	mg/L	0.04359	20.7684	mg/L	0.04359	0.21%
Ni 232.003 At	2.7	0.254856	mg/L	0.0039527	0.254856	mg/L	0.0039527	1.55%
P 213.617 At	12077.1	7.13258	mg/L	0.006007	7.13258	mg/L	0.006007	0.08%
Pb 220.353 At	5135.8	1.29914	mg/L	0.003673	1.29914	mg/L	0.003673	0.28%
Sb 206.836 At	60.3	0.012088	mg/L	0.0016962	0.012088	mg/L	0.0016962	14.03%
Sc 361.383 At	10813.6	0.009217	mg/L	0.0000039	0.009217	mg/L	0.0000039	0.04%
Se 196.026 At	-10.6	0.009367	mg/L	0.0137073	0.009367	mg/L	0.0137073	146.33%
Si 251.611 Rt	17438.2	12.6056	mg/L	0.02779	12.6056	mg/L	0.02779	0.22%
SIO2 251.611 Rt	17438.2	26.9760	mg/L	0.05947	26.9760	mg/L	0.05947	0.22%
Sn 189.927 At	2380.4	0.904007	mg/L	0.0043372	0.904007	mg/L	0.0043372	0.48%
Sr 421.552 Rt	113130.1	0.139700	mg/L	0.0003179	0.139700	mg/L	0.0003179	0.23%
Ti 336.121 At	278006.6	1.01323	mg/L	0.000968	1.01323	mg/L	0.000968	0.10%
Tl 190.801 At	-17.7	0.002167	mg/L	0.0035300	0.002167	mg/L	0.0035300	162.90%
V 292.402 At	13805.8	0.146481	mg/L	0.0006375	0.146481	mg/L	0.0006375	0.44%
Zn 206.200 At	51707.1	5.17295	mg/L	0.017208	5.17295	mg/L	0.017208	0.33%

Method: ILMO5 OPT5 Page 38 Date: 5/20/2009 10:21:07 AM

Sequence No.: 16
Sample ID: ME2QR2
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 5/20/2009 10:16:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	177288.1	177288.1	102.156	%			10:18:41
1	Al 308.215 Rt	35809.4	35000.8	35.9437	mg/L	35.9437	mg/L	10:18:41
1	B 249.677 Rt	221.6	209.7	0.110740	mg/L	0.110740	mg/L	10:19:01
1	Be 313.107 Rt	493.4	383.3	0.002706	mg/L	0.002706	mg/L	10:19:01
1	Ca 315.887 Rt	204894.3	200625.8	54.2233	mg/L	54.2233	mg/L	10:18:41
1	Fe 273.955 Rt	219213.9	214568.7	240.723	mg/L	240.723	mg/L	10:18:41
1	K 766.490 Rt	76964.5	75031.6	28.6901	mg/L	28.6901	mg/L	10:18:41
1	Li 670.784 Rt	5420.1	5201.0	0.055793	mg/L	0.055793	mg/L	10:19:01
1	Mg 279.077 Rt	18782.6	18383.3	35.1597	mg/L	35.1597	mg/L	10:19:01
1	Mn 260.568 Rt	30839.4	30167.8	2.17913	mg/L	2.17913	mg/L	10:19:01
1	Na 589.592 Rt	170888.1	167201.3	21.2018	mg/L	21.2018	mg/L	10:18:41
1	Si 251.611 Rt	16276.0	15887.2	11.4853	mg/L	11.4853	mg/L	10:19:01
1	SIO2 251.611 Rt	16276.0	15887.2	24.5785	mg/L	24.5785	mg/L	10:19:01
1	Sr 421.552 Rt	99743.2	97447.1	0.120334	mg/L	0.120334	mg/L	10:18:41
1	Lu 261.542 A	2333788.6	2333788.6	96.2625	%			10:19:52
1	Ag 328.068 At	-500.8	-167.9	0.008613	mg/L	0.008613	mg/L	10:20:02
1	As 188.979 At	37.1	47.1	0.051834	mg/L	0.051834	mg/L	10:20:23
1	Ba 233.527 At	15904.5	16575.9	0.380478	mg/L	0.380478	mg/L	10:20:02
1	Bi 222.821 At	160.0	131.9	-0.075826	mg/L	-0.075826	mg/L	10:20:23
1	Cd 226.502 At	2085.8	2223.7	0.001140	mg/L	0.001140	mg/L	10:20:02
1	Co 228.616 At	457.3	562.0	0.028545	mg/L	0.028545	mg/L	10:20:23
1	Cr 267.716 At	42619.3	44111.0	1.11937	mg/L	1.11937	mg/L	10:20:02
1	Cu 324.752 At	85851.7	86625.3	0.482015	mg/L	0.482015	mg/L	10:20:02
1	Ga 417.206 At	5377.8	5661.9	0.009795	mg/L	0.009795	mg/L	10:20:02
1	La 379.478 At	17553.6	18700.2	0.094850	mg/L	0.094850	mg/L	10:19:52
1	Mo 202.031 At	227.0	205.6	0.021523	mg/L	0.021523	mg/L	10:20:23
1	Ni 232.003 At	-8.3	77.1	0.210959	mg/L	0.210959	mg/L	10:20:02
1	P 213.617 At	9361.9	9791.8	5.78173	mg/L	5.78173	mg/L	10:20:02
1	Pb 220.353 At	4007.0	4120.3	1.04251	mg/L	1.04251	mg/L	10:20:23
1	Sb 206.836 At	37.9	49.8	0.010710	mg/L	0.010710	mg/L	10:20:23
1	Sc 361.383 At	8871.1	9209.0	0.007849	mg/L	0.007849	mg/L	10:20:02
1	Se 196.026 At	-35.1	-10.8	0.002121	mg/L	0.002121	mg/L	10:20:23
1	Sn 189.927 At	1711.5	1806.2	0.685938	mg/L	0.685938	mg/L	10:20:23
1	Ti 336.121 At	225948.1	235152.4	0.856987	mg/L	0.856987	mg/L	10:19:52
1	Tl 190.801 At	-17.8	-10.4	0.006359	mg/L	0.006359	mg/L	10:20:23
1	V 292.402 At	10680.5	11392.3	0.121317	mg/L	0.121317	mg/L	10:20:02
1	Zn 206.200 At	40239.1	41776.7	4.17928	mg/L	4.17928	mg/L	10:20:02
2	Lu 261.542 R	176613.4	176613.4	101.767	%			10:19:12
2	Al 308.215 Rt	35795.2	35120.8	36.0669	mg/L	36.0669	mg/L	10:19:12
2	B 249.677 Rt	219.7	208.7	0.110197	mg/L	0.110197	mg/L	10:19:32
2	Be 313.107 Rt	488.7	380.5	0.002686	mg/L	0.002686	mg/L	10:19:32
2	Ca 315.887 Rt	203916.5	200431.2	54.1707	mg/L	54.1707	mg/L	10:19:12
2	Fe 273.955 Rt	218516.5	214703.1	240.874	mg/L	240.874	mg/L	10:19:12
2	K 766.490 Rt	76761.5	75119.9	28.7239	mg/L	28.7239	mg/L	10:19:12
2	Li 670.784 Rt	5327.6	5130.3	0.055035	mg/L	0.055035	mg/L	10:19:32
2	Mg 279.077 Rt	18611.3	18285.2	34.9721	mg/L	34.9721	mg/L	10:19:32
2	Mn 260.568 Rt	30648.5	30095.6	2.17387	mg/L	2.17387	mg/L	10:19:32
2	Na 589.592 Rt	169615.7	166590.0	21.1243	mg/L	21.1243	mg/L	10:19:12
2	Si 251.611 Rt	16180.4	15854.1	11.4613	mg/L	11.4613	mg/L	10:19:32
2	SIO2 251.611 Rt	16180.4	15854.1	24.5273	mg/L	24.5273	mg/L	10:19:32
2	Sr 421.552 Rt	99327.2	97411.3	0.120289	mg/L	0.120289	mg/L	10:19:12
2	Lu 261.542 A	2343209.1	2343209.1	96.6511	%			10:20:35
2	Ag 328.068 At	-518.3	-183.8	0.008524	mg/L	0.008524	mg/L	10:20:45
2	As 188.979 At	31.5	41.2	0.045183	mg/L	0.045183	mg/L	10:21:05
2	Ba 233.527 At	15739.3	16338.5	0.375030	mg/L	0.375030	mg/L	10:20:45
2	Bi 222.821 At	161.8	133.1	-0.074709	mg/L	-0.074709	mg/L	10:21:05
2	Cd 226.502 At	2042.0	2169.7	-0.000465	mg/L	-0.000465	mg/L	10:20:45
2	Co 228.616 At	450.8	553.3	0.028075	mg/L	0.028075	mg/L	10:21:05
2	Cr 267.716 At	42478.9	43787.7	1.11116	mg/L	1.11116	mg/L	10:20:45
2	Cu 324.752 At	84856.3	85236.9	0.474289	mg/L	0.474289	mg/L	10:20:45

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2	Ga 417.206 At	5367.8	5629.1	0.009368 mg/L	0.009368 mg/L	10:20:45
2	La 379.478 At	18005.3	19094.2	0.096849 mg/L	0.096849 mg/L	10:20:35
2	Mo 202.031 At	224.8	202.4	0.021146 mg/L	0.021146 mg/L	10:21:05
2	Ni 232.003 At	-39.4	44.9	0.208275 mg/L	0.208275 mg/L	10:20:45
2	P 213.617 At	9303.3	9692.1	5.72397 mg/L	5.72397 mg/L	10:20:45
2	Pb 220.353 At	4012.2	4109.0	1.03960 mg/L	1.03960 mg/L	10:21:05
2	Sb 206.836 At	38.6	50.3	0.011091 mg/L	0.011091 mg/L	10:21:05
2	Sc 361.383 At	8807.1	9105.7	0.007761 mg/L	0.007761 mg/L	10:20:45
2	Se 196.026 At	-36.2	-11.7	0.000062 mg/L	0.000062 mg/L	10:21:05
2	Sn 189.927 At	1709.6	1797.1	0.682475 mg/L	0.682475 mg/L	10:21:05
2	Ti 336.121 At	226780.7	235070.3	0.856692 mg/L	0.856692 mg/L	10:20:35
2	Tl 190.801 At	-19.1	-11.7	0.004818 mg/L	0.004818 mg/L	10:21:05
2	V 292.402 At	10647.2	11313.2	0.120348 mg/L	0.120348 mg/L	10:20:45
2	Zn 206.200 At	39900.8	41258.6	4.12744 mg/L	4.12744 mg/L	10:20:45

Mean Data: ME2QR2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	176950.8	101.962	%	0.2749				0.27%
Lu 261.542 A	2338498.8	96.4568	%	0.27476				0.28%
Ag 328.068 At	-175.8	0.008569	mg/L	0.0000629	0.008569	mg/L	0.0000629	0.73%
Al 308.215 Rt	35060.8	36.0053	mg/L	0.08716	36.0053	mg/L	0.08716	0.24%
As 188.979 At	44.2	0.048509	mg/L	0.0047028	0.048509	mg/L	0.0047028	9.69%
B 249.677 Rt	209.2	0.110468	mg/L	0.0003843	0.110468	mg/L	0.0003843	0.35%
Ba 233.527 At	16457.2	0.377754	mg/L	0.0038523	0.377754	mg/L	0.0038523	1.02%
Be 313.107 Rt	381.9	0.002696	mg/L	0.0000144	0.002696	mg/L	0.0000144	0.54%
Bi 222.821 At	132.5	-0.075268	mg/L	0.0007900	-0.075268	mg/L	0.0007900	1.05%
Ca 315.887 Rt	200528.5	54.1970	mg/L	0.03719	54.1970	mg/L	0.03719	0.07%
Cd 226.502 At	2196.7	0.000337	mg/L	0.0011346	0.000337	mg/L	0.0011346	336.40%
Co 228.616 At	557.7	0.028310	mg/L	0.0003324	0.028310	mg/L	0.0003324	1.17%
Cr 267.716 At	43949.4	1.11527	mg/L	0.005801	1.11527	mg/L	0.005801	0.52%
Cu 324.752 At	85931.1	0.478152	mg/L	0.0054636	0.478152	mg/L	0.0054636	1.14%
Fe 273.955 Rt	214635.9	240.798	mg/L	0.1067	240.798	mg/L	0.1067	0.04%
Ga 417.206 At	5645.5	0.009581	mg/L	0.0003024	0.009581	mg/L	0.0003024	3.16%
K 766.490 Rt	75075.7	28.7070	mg/L	0.02389	28.7070	mg/L	0.02389	0.08%
La 379.478 At	18897.2	0.095849	mg/L	0.0014133	0.095849	mg/L	0.0014133	1.47%
Li 670.784 Rt	5165.7	0.055414	mg/L	0.0005363	0.055414	mg/L	0.0005363	0.97%
Mg 279.077 Rt	18334.2	35.0659	mg/L	0.13267	35.0659	mg/L	0.13267	0.38%
Mn 260.568 Rt	30131.7	2.17650	mg/L	0.003718	2.17650	mg/L	0.003718	0.17%
Mo 202.031 At	204.0	0.021334	mg/L	0.0002663	0.021334	mg/L	0.0002663	1.25%
Na 589.592 Rt	166895.6	21.1631	mg/L	0.05481	21.1631	mg/L	0.05481	0.26%
Ni 232.003 At	61.0	0.209617	mg/L	0.0018975	0.209617	mg/L	0.0018975	0.91%
P 213.617 At	9742.0	5.75285	mg/L	0.040841	5.75285	mg/L	0.040841	0.71%
Pb 220.353 At	4114.6	1.04106	mg/L	0.002054	1.04106	mg/L	0.002054	0.20%
Sb 206.836 At	50.0	0.010900	mg/L	0.0002698	0.010900	mg/L	0.0002698	2.47%
Sc 361.383 At	9157.3	0.007805	mg/L	0.0000623	0.007805	mg/L	0.0000623	0.80%
Se 196.026 At	-11.3	0.001091	mg/L	0.0014558	0.001091	mg/L	0.0014558	133.40%
Si 251.611 Rt	15870.7	11.4733	mg/L	0.01692	11.4733	mg/L	0.01692	0.15%
SIO2 251.611 Rt	15870.7	24.5529	mg/L	0.03621	24.5529	mg/L	0.03621	0.15%
Sn 189.927 At	1801.6	0.684207	mg/L	0.0024482	0.684207	mg/L	0.0024482	0.36%
Sr 421.552 Rt	97429.2	0.120311	mg/L	0.0000313	0.120311	mg/L	0.0000313	0.03%
Ti 336.121 At	235111.4	0.856840	mg/L	0.0002090	0.856840	mg/L	0.0002090	0.02%
Tl 190.801 At	-11.1	0.005589	mg/L	0.0010902	0.005589	mg/L	0.0010902	19.51%
V 292.402 At	11352.8	0.120832	mg/L	0.0006852	0.120832	mg/L	0.0006852	0.57%
Zn 206.200 At	41517.6	4.15336	mg/L	0.036658	4.15336	mg/L	0.036658	0.88%

Method: ILM05 OPT5 Page 40 Date: 5/20/2009 10:26:51 AM

Sequence No.: 17
Sample ID: ME2QR3
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 5/20/2009 10:22:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR3

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	174851.7	174851.7	100.752	%			10:24:47
1	Al 308.215 Rt	42586.8	42216.1	43.3513	mg/L	43.3513	mg/L	10:24:57
1	B 249.677 Rt	52.7	45.1	0.031442	mg/L	0.031442	mg/L	10:24:57
1	Be 313.107 Rt	900.8	794.3	0.005944	mg/L	0.005944	mg/L	10:24:57
1	Ca 315.887 Rt	168971.1	167765.5	45.3421	mg/L	45.3421	mg/L	10:24:47
1	Fe 273.955 Rt	820515.2	814370.8	913.664	mg/L	913.664	mg/L	10:24:47
1	K 766.490 Rt	86056.4	85105.4	32.5421	mg/L	32.5421	mg/L	10:24:47
1	Li 670.784 Rt	2520.1	2396.6	0.025709	mg/L	0.025709	mg/L	10:24:57
1	Mg 279.077 Rt	9016.1	8945.9	17.1098	mg/L	17.1098	mg/L	10:24:57
1	Mn 260.568 Rt	114802.8	113925.0	8.23263	mg/L	8.23263	mg/L	10:24:47
1	Na 589.592 Rt	266572.7	264502.4	33.5400	mg/L	33.5400	mg/L	10:24:47
1	Si 251.611 Rt	15736.2	15573.4	11.2521	mg/L	11.2521	mg/L	10:24:57
1	SIO2 251.611 Rt	15736.2	15573.4	24.0796	mg/L	24.0796	mg/L	10:24:57
1	Sr 421.552 Rt	110899.5	109880.6	0.135687	mg/L	0.135687	mg/L	10:24:47
1	Lu 261.542 A	2309098.4	2309098.4	95.2441	%			10:25:34
1	Ag 328.068 At	-1986.9	-1733.7	0.025187	mg/L	0.025187	mg/L	10:25:45
1	As 188.979 At	139.4	154.9	0.164325	mg/L	0.164325	mg/L	10:26:05
1	Ba 233.527 At	19616.6	20650.0	0.473995	mg/L	0.473995	mg/L	10:25:45
1	Bi 222.821 At	591.6	586.9	-0.250923	mg/L	-0.250923	mg/L	10:25:45
1	Cd 226.502 At	7633.4	8071.5	-0.007709	mg/L	-0.007709	mg/L	10:25:45
1	Co 228.616 At	982.5	1118.4	0.057792	mg/L	0.057792	mg/L	10:26:05
1	Cr 267.716 At	207937.9	218158.0	5.53728	mg/L	5.53728	mg/L	10:25:45
1	Cu 324.752 At	199602.0	207009.2	1.15095	mg/L	1.15095	mg/L	10:25:45
1	Ga 417.206 At	17409.5	18354.1	0.007208	mg/L	0.007208	mg/L	10:25:45
1	La 379.478 At	47343.6	50172.6	0.254483	mg/L	0.254483	mg/L	10:25:34
1	Mo 202.031 At	697.6	702.3	0.092665	mg/L	0.092665	mg/L	10:25:45
1	Ni 232.003 At	-790.7	-744.5	0.661090	mg/L	0.661090	mg/L	10:25:45
1	P 213.617 At	13401.2	14136.8	8.54761	mg/L	8.54761	mg/L	10:25:45
1	Pb 220.353 At	14166.8	14831.9	3.74389	mg/L	3.74389	mg/L	10:25:45
1	Sb 206.836 At	174.4	193.6	0.032648	mg/L	0.032648	mg/L	10:26:05
1	Sc 361.383 At	8995.7	9438.3	0.008045	mg/L	0.008045	mg/L	10:25:45
1	Se 196.026 At	-82.8	-61.3	-0.024246	mg/L	-0.024246	mg/L	10:26:05
1	Sn 189.927 At	10203.2	10740.9	4.07911	mg/L	4.07911	mg/L	10:26:05
1	Ti 336.121 At	335968.0	353175.8	1.28816	mg/L	1.28816	mg/L	10:25:45
1	Tl 190.801 At	-50.1	-44.5	0.018704	mg/L	0.018704	mg/L	10:26:05
1	V 292.402 At	16937.7	18080.6	0.164723	mg/L	0.164723	mg/L	10:25:45
1	Zn 206.200 At	98279.1	103161.8	10.3222	mg/L	10.3222	mg/L	10:25:45
2	Lu 261.542 R	175497.8	175497.8	101.124	%			10:25:09
2	Al 308.215 Rt	43129.7	42597.3	43.7428	mg/L	43.7428	mg/L	10:25:19
2	B 249.677 Rt	59.2	51.3	0.034733	mg/L	0.034733	mg/L	10:25:19
2	Be 313.107 Rt	916.7	806.8	0.006033	mg/L	0.006033	mg/L	10:25:19
2	Ca 315.887 Rt	168801.4	166980.4	45.1299	mg/L	45.1299	mg/L	10:25:09
2	Fe 273.955 Rt	823220.7	814048.2	913.302	mg/L	913.302	mg/L	10:25:09
2	K 766.490 Rt	86434.8	85165.2	32.5650	mg/L	32.5650	mg/L	10:25:09
2	Li 670.784 Rt	2577.2	2443.9	0.026216	mg/L	0.026216	mg/L	10:25:19
2	Mg 279.077 Rt	9083.7	8979.8	17.1747	mg/L	17.1747	mg/L	10:25:19
2	Mn 260.568 Rt	115229.1	113927.1	8.23280	mg/L	8.23280	mg/L	10:25:09
2	Na 589.592 Rt	267295.1	264242.8	33.5071	mg/L	33.5071	mg/L	10:25:09
2	Si 251.611 Rt	15875.9	15654.1	11.3104	mg/L	11.3104	mg/L	10:25:19
2	SIO2 251.611 Rt	15875.9	15654.1	24.2042	mg/L	24.2042	mg/L	10:25:19
2	Sr 421.552 Rt	111558.1	110126.7	0.135991	mg/L	0.135991	mg/L	10:25:09
2	Lu 261.542 A	2309466.6	2309466.6	95.2593	%			10:26:19
2	Ag 328.068 At	-1924.4	-1667.8	0.025622	mg/L	0.025622	mg/L	10:26:30
2	As 188.979 At	143.9	159.6	0.169591	mg/L	0.169591	mg/L	10:26:50
2	Ba 233.527 At	19771.9	20809.7	0.477659	mg/L	0.477659	mg/L	10:26:30
2	Bi 222.821 At	582.9	577.6	-0.259960	mg/L	-0.259960	mg/L	10:26:30
2	Cd 226.502 At	7682.3	8121.6	-0.006153	mg/L	-0.006153	mg/L	10:26:30
2	Co 228.616 At	994.1	1130.5	0.058434	mg/L	0.058434	mg/L	10:26:50
2	Cr 267.716 At	209020.5	219259.7	5.56524	mg/L	5.56524	mg/L	10:26:30
2	Cu 324.752 At	200349.7	207760.7	1.15513	mg/L	1.15513	mg/L	10:26:30

Method: ILMO5 OPT5 Page 41 Date: 5/20/2009 10:26:53 AM

2	Ga 417.206 At	17424.4	18366.9	0.007417 mg/L	0.007417 mg/L	10:26:30
2	La 379.478 At	47039.4	49845.3	0.252823 mg/L	0.252823 mg/L	10:26:19
2	Mo 202.031 At	711.0	716.2	0.094321 mg/L	0.094321 mg/L	10:26:30
2	Ni 232.003 At	-707.3	-656.8	0.668240 mg/L	0.668240 mg/L	10:26:30
2	P 213.617 At	13494.2	14232.2	8.60295 mg/L	8.60295 mg/L	10:26:30
2	Pb 220.353 At	14244.5	14911.1	3.76424 mg/L	3.76424 mg/L	10:26:30
2	Sb 206.836 At	173.4	192.4	0.031767 mg/L	0.031767 mg/L	10:26:50
2	Sc 361.383 At	9039.3	9482.6	0.008082 mg/L	0.008082 mg/L	10:26:30
2	Se 196.026 At	-83.2	-61.7	-0.025110 mg/L	-0.025110 mg/L	10:26:50
2	Sn 189.927 At	10201.7	10737.6	4.07783 mg/L	4.07783 mg/L	10:26:50
2	Ti 336.121 At	337810.0	355053.3	1.29501 mg/L	1.29501 mg/L	10:26:30
2	Tl 190.801 At	-53.5	-48.1	0.014301 mg/L	0.014301 mg/L	10:26:50
2	V 292.402 At	17005.7	18149.1	0.165623 mg/L	0.165623 mg/L	10:26:30
2	Zn 206.200 At	98763.0	103653.4	10.3714 mg/L	10.3714 mg/L	10:26:30

Mean Data: ME2QR3

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	175174.7	100.938	%	0.2632				0.26%
Lu 261.542 A	2309282.5	95.2517	%	0.01074				0.01%
Ag 328.068 At	-1700.7	0.025405	mg/L	0.0003074	0.025405	mg/L	0.0003074	1.21%
Al 308.215 Rt	42406.7	43.5471	mg/L	0.27686	43.5471	mg/L	0.27686	0.64%
As 188.979 At	157.2	0.166958	mg/L	0.0037238	0.166958	mg/L	0.0037238	2.23%
B 249.677 Rt	48.2	0.033088	mg/L	0.0023275	0.033088	mg/L	0.0023275	7.03%
Ba 233.527 At	20729.8	0.475827	mg/L	0.0025913	0.475827	mg/L	0.0025913	0.54%
Be 313.107 Rt	800.6	0.005989	mg/L	0.0000631	0.005989	mg/L	0.0000631	1.05%
Bi 222.821 At	582.3	-0.255442	mg/L	0.0063903	-0.255442	mg/L	0.0063903	2.50%
Ca 315.887 Rt	167373.0	45.2360	mg/L	0.15005	45.2360	mg/L	0.15005	0.33%
Cd 226.502 At	8096.6	-0.006931	mg/L	0.0011003	-0.006931	mg/L	0.0011003	15.88%
Co 228.616 At	1124.5	0.058113	mg/L	0.0004539	0.058113	mg/L	0.0004539	0.78%
Cr 267.716 At	218708.8	5.55126	mg/L	0.019776	5.55126	mg/L	0.019776	0.36%
Cu 324.752 At	207385.0	1.15304	mg/L	0.002957	1.15304	mg/L	0.002957	0.26%
Fe 273.955 Rt	814209.5	913.483	mg/L	0.2560	913.483	mg/L	0.2560	0.03%
Ga 417.206 At	18360.5	0.007313	mg/L	0.0001478	0.007313	mg/L	0.0001478	2.02%
K 766.490 Rt	85135.3	32.5535	mg/L	0.01614	32.5535	mg/L	0.01614	0.05%
La 379.478 At	50009.0	0.253653	mg/L	0.0011738	0.253653	mg/L	0.0011738	0.46%
Li 670.784 Rt	2420.2	0.025963	mg/L	0.0003585	0.025963	mg/L	0.0003585	1.38%
Mg 279.077 Rt	8962.8	17.1422	mg/L	0.04593	17.1422	mg/L	0.04593	0.27%
Mn 260.568 Rt	113926.0	8.23272	mg/L	0.000121	8.23272	mg/L	0.000121	0.00%
Mo 202.031 At	709.3	0.093493	mg/L	0.0011708	0.093493	mg/L	0.0011708	1.25%
Na 589.592 Rt	264372.6	33.5235	mg/L	0.02328	33.5235	mg/L	0.02328	0.07%
Ni 232.003 At	-700.7	0.664665	mg/L	0.0050557	0.664665	mg/L	0.0050557	0.76%
P 213.617 At	14184.5	8.57528	mg/L	0.039129	8.57528	mg/L	0.039129	0.46%
Pb 220.353 At	14871.5	3.75406	mg/L	0.014388	3.75406	mg/L	0.014388	0.38%
Sb 206.836 At	193.0	0.032208	mg/L	0.0006232	0.032208	mg/L	0.0006232	1.94%
Sc 361.383 At	9460.5	0.008064	mg/L	0.0000267	0.008064	mg/L	0.0000267	0.33%
Se 196.026 At	-61.5	-0.024678	mg/L	0.0006109	-0.024678	mg/L	0.0006109	2.48%
Si 251.611 Rt	15613.7	11.2813	mg/L	0.04119	11.2813	mg/L	0.04119	0.37%
SIO2 251.611 Rt	15613.7	24.1419	mg/L	0.08815	24.1419	mg/L	0.08815	0.37%
Sn 189.927 At	10739.2	4.07847	mg/L	0.000903	4.07847	mg/L	0.000903	0.02%
Sr 421.552 Rt	110003.6	0.135839	mg/L	0.0002149	0.135839	mg/L	0.0002149	0.16%
Ti 336.121 At	354114.6	1.29158	mg/L	0.004845	1.29158	mg/L	0.004845	0.38%
Tl 190.801 At	-46.3	0.016503	mg/L	0.0031131	0.016503	mg/L	0.0031131	18.86%
V 292.402 At	18114.8	0.165173	mg/L	0.0006361	0.165173	mg/L	0.0006361	0.39%
Zn 206.200 At	103407.6	10.3468	mg/L	0.03478	10.3468	mg/L	0.03478	0.34%

Sequence No.: 18
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2009 10:28:37 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	179592.7	179592.7	103.484	%			10:30:29
1	Al 308.215 Rt	102.9	46.7	0.047323	mg/L	0.047323	mg/L	10:30:49
1	B 249.677 Rt	18.8	10.9	0.005617	mg/L	0.005617	mg/L	10:30:49
1	Be 313.107 Rt	778.0	652.1	0.004559	mg/L	0.004559	mg/L	10:30:49
1	Ca 315.887 Rt	265.4	312.4	0.084426	mg/L	0.084426	mg/L	10:30:49
1	Fe 273.955 Rt	69.8	48.8	0.054581	mg/L	0.054581	mg/L	10:30:49
1	K 766.490 Rt	337.4	17.5	0.006697	mg/L	0.006697	mg/L	10:30:29
1	Li 670.784 Rt	134.5	25.3	0.000271	mg/L	0.000271	mg/L	10:30:29
1	Mg 279.077 Rt	12.7	9.4	0.017953	mg/L	0.017953	mg/L	10:30:49
1	Mn 260.568 Rt	226.0	197.7	0.014355	mg/L	0.014355	mg/L	10:30:49
1	Na 589.592 Rt	129.4	44.9	0.005698	mg/L	0.005698	mg/L	10:30:29
1	Si 251.611 Rt	45.5	-1.3	-0.000934	mg/L	-0.000934	mg/L	10:30:49
1	SIO2 251.611 Rt	45.5	-1.3	-0.001999	mg/L	-0.001999	mg/L	10:30:49
1	Sr 421.552 Rt	672.8	459.2	0.000567	mg/L	0.000567	mg/L	10:30:29
1	Lu 261.542 A	2520830.6	2520830.6	103.977	%			10:31:33
1	Ag 328.068 At	788.8	1111.0	0.007792	mg/L	0.007792	mg/L	10:31:43
1	As 188.979 At	-0.6	8.0	0.009034	mg/L	0.009034	mg/L	10:32:04
1	Ba 233.527 At	-53.6	2.3	0.000053	mg/L	0.000053	mg/L	10:32:04
1	Bi 222.821 At	32.7	-2.9	-0.002704	mg/L	-0.002704	mg/L	10:32:04
1	Cd 226.502 At	123.3	175.5	0.005082	mg/L	0.005082	mg/L	10:32:04
1	Co 228.616 At	852.0	906.3	0.049286	mg/L	0.049286	mg/L	10:32:04
1	Cr 267.716 At	563.4	378.8	0.009606	mg/L	0.009606	mg/L	10:32:04
1	Cu 324.752 At	7169.9	4336.0	0.024130	mg/L	0.024130	mg/L	10:31:43
1	Ga 417.206 At	17.5	92.1	0.001095	mg/L	0.001095	mg/L	10:31:43
1	La 379.478 At	-473.6	9.5	0.000048	mg/L	0.000048	mg/L	10:31:43
1	Mo 202.031 At	33.3	1.9	0.000227	mg/L	0.000227	mg/L	10:32:04
1	Ni 232.003 At	330.0	403.0	0.038287	mg/L	0.038287	mg/L	10:32:04
1	P 213.617 At	-57.0	11.7	0.006199	mg/L	0.006199	mg/L	10:32:04
1	Pb 220.353 At	71.4	26.4	0.006758	mg/L	0.006758	mg/L	10:32:04
1	Sb 206.836 At	102.2	108.7	0.062014	mg/L	0.062014	mg/L	10:32:04
1	Sc 361.383 At	9.2	2.3	0.000002	mg/L	0.000002	mg/L	10:31:43
1	Se 196.026 At	-9.0	17.0	0.036792	mg/L	0.036792	mg/L	10:32:04
1	Sn 189.927 At	-21.7	7.3	0.002764	mg/L	0.002764	mg/L	10:32:04
1	Ti 336.121 At	-408.3	39.0	0.000141	mg/L	0.000141	mg/L	10:31:43
1	Tl 190.801 At	10.9	18.6	0.023029	mg/L	0.023029	mg/L	10:32:04
1	V 292.402 At	4040.1	4182.7	0.049766	mg/L	0.049766	mg/L	10:31:43
1	Zn 206.200 At	654.3	604.6	0.060491	mg/L	0.060491	mg/L	10:32:04
2	Lu 261.542 R	179406.1	179406.1	103.377	%			10:31:00
2	Al 308.215 Rt	94.8	38.9	0.039320	mg/L	0.039320	mg/L	10:31:20
2	B 249.677 Rt	19.7	11.8	0.006061	mg/L	0.006061	mg/L	10:31:20
2	Be 313.107 Rt	775.7	650.7	0.004549	mg/L	0.004549	mg/L	10:31:20
2	Ca 315.887 Rt	275.8	322.7	0.087226	mg/L	0.087226	mg/L	10:31:20
2	Fe 273.955 Rt	67.8	47.0	0.052512	mg/L	0.052512	mg/L	10:31:20
2	K 766.490 Rt	307.4	-11.1	-0.004262	mg/L	-0.004262	mg/L	10:31:00
2	Li 670.784 Rt	123.0	14.3	0.000153	mg/L	0.000153	mg/L	10:31:00
2	Mg 279.077 Rt	10.5	7.2	0.013825	mg/L	0.013825	mg/L	10:31:20
2	Mn 260.568 Rt	229.7	201.5	0.014631	mg/L	0.014631	mg/L	10:31:20
2	Na 589.592 Rt	126.3	42.1	0.005335	mg/L	0.005335	mg/L	10:31:00
2	Si 251.611 Rt	43.1	-3.6	-0.002641	mg/L	-0.002641	mg/L	10:31:20
2	SIO2 251.611 Rt	43.1	-3.6	-0.005653	mg/L	-0.005653	mg/L	10:31:20
2	Sr 421.552 Rt	675.2	462.2	0.000571	mg/L	0.000571	mg/L	10:31:00
2	Lu 261.542 A	2517488.3	2517488.3	103.840	%			10:32:15
2	Ag 328.068 At	774.8	1098.6	0.007697	mg/L	0.007697	mg/L	10:32:25
2	As 188.979 At	2.3	10.8	0.012189	mg/L	0.012189	mg/L	10:32:45
2	Ba 233.527 At	-53.4	2.4	0.000055	mg/L	0.000055	mg/L	10:32:45
2	Bi 222.821 At	33.4	-2.2	-0.002066	mg/L	-0.002066	mg/L	10:32:45
2	Cd 226.502 At	131.7	183.7	0.005321	mg/L	0.005321	mg/L	10:32:45
2	Co 228.616 At	852.6	907.9	0.049375	mg/L	0.049375	mg/L	10:32:45
2	Cr 267.716 At	574.8	390.5	0.009903	mg/L	0.009903	mg/L	10:32:45
2	Cu 324.752 At	7190.5	4365.0	0.024291	mg/L	0.024291	mg/L	10:32:25

Method: ILMO5 OPT5 Page 43 Date: 5/20/2009 10:32:49 AM

2	Ga 417.206 At	8.7	83.7	0.000994 mg/L	0.000994 mg/L	10:32:25
2	La 379.478 At	-476.3	6.3	0.000032 mg/L	0.000032 mg/L	10:32:25
2	Mo 202.031 At	32.5	1.1	0.000132 mg/L	0.000132 mg/L	10:32:45
2	Ni 232.003 At	335.5	408.8	0.038828 mg/L	0.038828 mg/L	10:32:45
2	P 213.617 At	-56.4	12.2	0.006486 mg/L	0.006486 mg/L	10:32:45
2	Pb 220.353 At	75.1	30.0	0.007696 mg/L	0.007696 mg/L	10:32:45
2	Sb 206.836 At	100.5	107.2	0.061182 mg/L	0.061182 mg/L	10:32:45
2	Sc 361.383 At	17.9	10.7	0.000009 mg/L	0.000009 mg/L	10:32:25
2	Se 196.026 At	-7.4	18.5	0.040029 mg/L	0.040029 mg/L	10:32:45
2	Sn 189.927 At	-23.7	5.4	0.002042 mg/L	0.002042 mg/L	10:32:45
2	Ti 336.121 At	-400.6	45.9	0.000167 mg/L	0.000167 mg/L	10:32:25
2	Tl 190.801 At	12.3	19.9	0.024661 mg/L	0.024661 mg/L	10:32:45
2	V 292.402 At	4049.7	4197.1	0.049938 mg/L	0.049938 mg/L	10:32:25
2	Zn 206.200 At	645.2	596.6	0.059689 mg/L	0.059689 mg/L	10:32:45

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	179499.4	103.430	%	0.0760				0.07%
Lu 261.542 A	2519159.5	103.909	%	0.0975				0.09%
Ag 328.068 At	1104.8	0.007744	mg/L	0.0000668	0.007744	mg/L	0.0000668	0.86%
QC value within limits for Ag 328.068 A Recovery = 77.44%								
Al 308.215 Rt	42.8	0.043321	mg/L	0.0056585	0.043321	mg/L	0.0056585	13.06%
As 188.979 At	9.4	0.010612	mg/L	0.0022310	0.010612	mg/L	0.0022310	21.02%
QC value within limits for As 188.979 A Recovery = 106.12%								
B 249.677 Rt	11.4	0.005839	mg/L	0.0003135	0.005839	mg/L	0.0003135	5.37%
Ba 233.527 At	2.4	0.000054	mg/L	0.0000012	0.000054	mg/L	0.0000012	2.28%
Be 313.107 Rt	651.4	0.004554	mg/L	0.0000069	0.004554	mg/L	0.0000069	0.15%
QC value within limits for Be 313.107 R Recovery = 91.08%								
Bi 222.821 At	-2.5	-0.002385	mg/L	0.0004512	-0.002385	mg/L	0.0004512	18.92%
Ca 315.887 Rt	317.6	0.085826	mg/L	0.0019796	0.085826	mg/L	0.0019796	2.31%
Cd 226.502 At	179.6	0.005202	mg/L	0.0001692	0.005202	mg/L	0.0001692	3.25%
QC value within limits for Cd 226.502 A Recovery = 104.04%								
Co 228.616 At	907.1	0.049330	mg/L	0.0000629	0.049330	mg/L	0.0000629	0.13%
QC value within limits for Co 228.616 A Recovery = 98.66%								
Cr 267.716 At	384.7	0.009755	mg/L	0.0002104	0.009755	mg/L	0.0002104	2.16%
QC value within limits for Cr 267.716 A Recovery = 97.55%								
Cu 324.752 At	4350.5	0.024210	mg/L	0.0001141	0.024210	mg/L	0.0001141	0.47%
QC value within limits for Cu 324.752 A Recovery = 96.84%								
Fe 273.955 Rt	47.9	0.053546	mg/L	0.0014628	0.053546	mg/L	0.0014628	2.73%
Ga 417.206 At	87.9	0.001044	mg/L	0.0000715	0.001044	mg/L	0.0000715	6.85%
K 766.490 Rt	3.2	0.001217	mg/L	0.0077492	0.001217	mg/L	0.0077492	636.50%
La 379.478 At	7.9	0.000040	mg/L	0.0000114	0.000040	mg/L	0.0000114	28.41%
Li 670.784 Rt	19.8	0.000212	mg/L	0.0000835	0.000212	mg/L	0.0000835	39.39%
Mg 279.077 Rt	8.3	0.015889	mg/L	0.0029188	0.015889	mg/L	0.0029188	18.37%
Mn 260.568 Rt	199.6	0.014493	mg/L	0.0001951	0.014493	mg/L	0.0001951	1.35%
QC value within limits for Mn 260.568 R Recovery = 96.62%								
Mo 202.031 At	1.5	0.000180	mg/L	0.0000668	0.000180	mg/L	0.0000668	37.20%
Na 589.592 Rt	43.5	0.005517	mg/L	0.0002572	0.005517	mg/L	0.0002572	4.66%
Ni 232.003 At	405.9	0.038557	mg/L	0.0003828	0.038557	mg/L	0.0003828	0.99%
QC value within limits for Ni 232.003 A Recovery = 96.39%								
P 213.617 At	11.9	0.006343	mg/L	0.0002035	0.006343	mg/L	0.0002035	3.21%
Pb 220.353 At	28.2	0.007227	mg/L	0.0006639	0.007227	mg/L	0.0006639	9.19%
QC value within limits for Pb 220.353 A Recovery = 72.27%								
Sb 206.836 At	107.9	0.061598	mg/L	0.0005887	0.061598	mg/L	0.0005887	0.96%
QC value within limits for Sb 206.836 A Recovery = 102.66%								
Sc 361.383 At	6.5	0.000006	mg/L	0.0000051	0.000006	mg/L	0.0000051	90.66%
Se 196.026 At	17.8	0.038411	mg/L	0.0022891	0.038411	mg/L	0.0022891	5.96%
QC value within limits for Se 196.026 A Recovery = 109.75%								
Si 251.611 Rt	-2.5	-0.001788	mg/L	0.0012074	-0.001788	mg/L	0.0012074	67.54%
SIO2 251.611 Rt	-2.5	-0.003826	mg/L	0.0025837	-0.003826	mg/L	0.0025837	67.54%
Sn 189.927 At	6.3	0.002403	mg/L	0.0005105	0.002403	mg/L	0.0005105	21.25%
Sr 421.552 Rt	460.7	0.000569	mg/L	0.0000026	0.000569	mg/L	0.0000026	0.46%
Ti 336.121 At	42.4	0.000154	mg/L	0.0000180	0.000154	mg/L	0.0000180	11.70%
Tl 190.801 At	19.2	0.023845	mg/L	0.0011541	0.023845	mg/L	0.0011541	4.84%
QC value within limits for Tl 190.801 A Recovery = 95.38%								
V 292.402 At	4189.9	0.049852	mg/L	0.0001214	0.049852	mg/L	0.0001214	0.24%
QC value within limits for V 292.402 A Recovery = 99.70%								
Zn 206.200 At	600.6	0.060090	mg/L	0.0005673	0.060090	mg/L	0.0005673	0.94%
QC value within limits for Zn 206.200 A Recovery = 100.15%								

All analyte(s) passed QC.

Sequence No.: 19
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2009 10:34:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	178206.1	178206.1	102.685	%			10:36:26
1	Al 308.215 Rt	246076.3	239589.1	246.071	mg/L	246.071	mg/L	10:36:26
1	B 249.677 Rt	-3.4	-10.6	-0.005441	mg/L	-0.005441	mg/L	10:36:56
1	Be 313.107 Rt	170.6	66.4	0.000468	mg/L	0.000468	mg/L	10:36:56
1	Ca 315.887 Rt	882649.1	859625.2	232.331	mg/L	232.331	mg/L	10:36:26
1	Fe 273.955 Rt	84578.1	82347.9	92.3664	mg/L	92.3664	mg/L	10:36:36
1	K 766.490 Rt	278.8	-37.0	-0.014156	mg/L	-0.014156	mg/L	10:36:36
1	Li 670.784 Rt	116.0	8.3	0.000089	mg/L	0.000089	mg/L	10:36:36
1	Mg 279.077 Rt	134183.5	130671.9	249.922	mg/L	249.922	mg/L	10:36:26
1	Mn 260.568 Rt	432.7	400.7	0.015413	mg/L	0.015413	mg/L	10:36:56
1	Na 589.592 Rt	6748.2	6491.6	0.823167	mg/L	0.823167	mg/L	10:36:36
1	Si 251.611 Rt	73.1	25.9	0.018608	mg/L	0.018608	mg/L	10:36:56
1	SIO2 251.611 Rt	73.1	25.9	0.039821	mg/L	0.039821	mg/L	10:36:56
1	Sr 421.552 Rt	77319.1	75106.4	0.092746	mg/L	0.092746	mg/L	10:36:36
1	Lu 261.542 A	2312070.0	2312070.0	95.3667	%			10:37:51
1	Ag 328.068 At	-786.5	-472.3	0.000625	mg/L	0.000625	mg/L	10:38:01
1	As 188.979 At	-4.8	3.6	0.003220	mg/L	0.003220	mg/L	10:38:21
1	Ba 233.527 At	194.1	257.4	0.005908	mg/L	0.005908	mg/L	10:38:21
1	Bi 222.821 At	70.1	39.2	-0.030692	mg/L	-0.030692	mg/L	10:38:21
1	Cd 226.502 At	621.4	708.6	-0.003520	mg/L	-0.003520	mg/L	10:38:21
1	Co 228.616 At	12.9	100.5	0.005459	mg/L	0.005459	mg/L	10:38:21
1	Cr 267.716 At	1828.1	1753.8	0.043001	mg/L	0.043001	mg/L	10:38:21
1	Cu 324.752 At	6985.9	4765.6	0.026519	mg/L	0.026519	mg/L	10:38:01
1	Ga 417.206 At	3727.7	3984.1	0.026832	mg/L	0.026832	mg/L	10:38:01
1	La 379.478 At	3838.0	4489.4	0.022771	mg/L	0.022771	mg/L	10:38:01
1	Mo 202.031 At	88.1	62.2	0.006033	mg/L	0.006033	mg/L	10:38:21
1	Ni 232.003 At	-626.6	-571.3	0.033832	mg/L	0.033832	mg/L	10:38:01
1	P 213.617 At	-45.5	18.8	0.043641	mg/L	0.043641	mg/L	10:38:21
1	Pb 220.353 At	28.8	-12.1	0.001818	mg/L	0.001818	mg/L	10:38:21
1	Sb 206.836 At	-6.1	4.0	-0.001041	mg/L	-0.001041	mg/L	10:38:21
1	Sc 361.383 At	-628.7	-665.8	-0.000567	mg/L	-0.000567	mg/L	10:38:01
1	Se 196.026 At	-9.5	15.7	0.022267	mg/L	0.022267	mg/L	10:38:21
1	Sn 189.927 At	-59.1	-33.7	-0.012810	mg/L	-0.012810	mg/L	10:38:21
1	Ti 336.121 At	70.7	505.9	-0.005304	mg/L	-0.005304	mg/L	10:38:01
1	Tl 190.801 At	-6.9	0.9	0.006453	mg/L	0.006453	mg/L	10:38:21
1	V 292.402 At	173.3	478.8	-0.000290	mg/L	-0.000290	mg/L	10:38:01
1	Zn 206.200 At	333.8	325.3	0.032538	mg/L	0.032538	mg/L	10:38:21
2	Lu 261.542 R	178895.8	178895.8	103.082	%			10:37:07
2	Al 308.215 Rt	246395.0	238974.3	245.440	mg/L	245.440	mg/L	10:37:07
2	B 249.677 Rt	1.2	-6.0	-0.003088	mg/L	-0.003088	mg/L	10:37:38
2	Be 313.107 Rt	174.7	69.7	0.000491	mg/L	0.000491	mg/L	10:37:38
2	Ca 315.887 Rt	882408.6	856077.8	231.373	mg/L	231.373	mg/L	10:37:07
2	Fe 273.955 Rt	83481.5	80966.5	90.8166	mg/L	90.8166	mg/L	10:37:17
2	K 766.490 Rt	294.5	-22.8	-0.008720	mg/L	-0.008720	mg/L	10:37:17
2	Li 670.784 Rt	79.2	-27.9	-0.000299	mg/L	-0.000299	mg/L	10:37:17
2	Mg 279.077 Rt	134417.1	130394.7	249.391	mg/L	249.391	mg/L	10:37:07
2	Mn 260.568 Rt	434.3	400.6	0.015516	mg/L	0.015516	mg/L	10:37:38
2	Na 589.592 Rt	6689.5	6409.3	0.812727	mg/L	0.812727	mg/L	10:37:17
2	Si 251.611 Rt	67.3	20.0	0.014355	mg/L	0.014355	mg/L	10:37:38
2	SIO2 251.611 Rt	67.3	20.0	0.030720	mg/L	0.030720	mg/L	10:37:38
2	Sr 421.552 Rt	76085.8	73619.6	0.090910	mg/L	0.090910	mg/L	10:37:17
2	Lu 261.542 A	2315225.3	2315225.3	95.4968	%			10:38:33
2	Ag 328.068 At	-779.2	-463.5	0.000629	mg/L	0.00629	mg/L	10:38:43
2	As 188.979 At	-7.9	0.3	-0.000487	mg/L	-0.000487	mg/L	10:39:03
2	Ba 233.527 At	199.1	262.3	0.006021	mg/L	0.006021	mg/L	10:39:03
2	Bi 222.821 At	72.3	41.4	-0.027519	mg/L	-0.027519	mg/L	10:39:03
2	Cd 226.502 At	612.6	698.4	-0.003405	mg/L	-0.003405	mg/L	10:39:03
2	Co 228.616 At	18.5	106.3	0.005775	mg/L	0.005775	mg/L	10:39:03
2	Cr 267.716 At	1822.8	1745.7	0.042799	mg/L	0.042799	mg/L	10:39:03
2	Cu 324.752 At	6928.1	4695.1	0.026127	mg/L	0.026127	mg/L	10:38:43

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2	Ga 417.206 At	3706.1	3956.1	0.026850 mg/L	0.026850 mg/L	10:38:43
2	La 379.478 At	3847.7	4494.2	0.022795 mg/L	0.022795 mg/L	10:38:43
2	Mo 202.031 At	89.4	63.5	0.006181 mg/L	0.006181 mg/L	10:39:03
2	Ni 232.003 At	-625.3	-569.1	0.032543 mg/L	0.032543 mg/L	10:38:43
2	P 213.617 At	-44.9	19.5	0.043515 mg/L	0.043515 mg/L	10:39:03
2	Pb 220.353 At	35.7	-4.9	0.003725 mg/L	0.003725 mg/L	10:39:03
2	Sb 206.836 At	2.1	12.6	0.003971 mg/L	0.003971 mg/L	10:39:03
2	Sc 361.383 At	-616.2	-651.8	-0.000556 mg/L	-0.000556 mg/L	10:38:43
2	Se 196.026 At	-11.4	13.7	0.017947 mg/L	0.017947 mg/L	10:39:03
2	Sn 189.927 At	-65.2	-40.0	-0.015202 mg/L	-0.015202 mg/L	10:39:03
2	Ti 336.121 At	97.2	533.5	-0.005184 mg/L	-0.005184 mg/L	10:38:43
2	Tl 190.801 At	-11.7	-4.2	0.000048 mg/L	0.000048 mg/L	10:39:03
2	V 292.402 At	142.9	446.8	-0.000568 mg/L	-0.000568 mg/L	10:38:43
2	Zn 206.200 At	330.1	321.0	0.032101 mg/L	0.032101 mg/L	10:39:03

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	178551.0	102.884	%	0.2810				0.27%
Lu 261.542 A	2313647.7	95.4317	%	0.09203				0.10%
Ag 328.068 At	-467.9	0.000627	mg/L	0.0000026	0.000627	mg/L	0.0000026	0.42%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	239281.7	245.756	mg/L	0.4465	245.756	mg/L	0.4465	0.18%
QC value within limits for Al 308.215 R Recovery = 100.68%								
As 188.979 At	1.9	0.001367	mg/L	0.0026214	0.001367	mg/L	0.0026214	191.79%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-8.3	-0.004264	mg/L	0.0016643	-0.004264	mg/L	0.0016643	39.03%
Ba 233.527 At	259.9	0.005965	mg/L	0.0000800	0.005965	mg/L	0.0000800	1.34%
QC value within limits for Ba 233.527 A Recovery = 298.24%								
Be 313.107 Rt	68.1	0.000480	mg/L	0.0000163	0.000480	mg/L	0.0000163	3.39%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	40.3	-0.029106	mg/L	0.0022440	-0.029106	mg/L	0.0022440	7.71%
Ca 315.887 Rt	857851.5	231.852	mg/L	0.6779	231.852	mg/L	0.6779	0.29%
QC value within limits for Ca 315.887 R Recovery = 98.70%								
Cd 226.502 At	703.5	-0.003463	mg/L	0.0000816	-0.003463	mg/L	0.0000816	2.36%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	103.4	0.005617	mg/L	0.0002229	0.005617	mg/L	0.0002229	3.97%
QC value within limits for Co 228.616 A Recovery = 140.42%								
Cr 267.716 At	1749.8	0.042900	mg/L	0.0001431	0.042900	mg/L	0.0001431	0.33%
QC value within limits for Cr 267.716 A Recovery = 99.77%								
Cu 324.752 At	4730.4	0.026323	mg/L	0.0002777	0.026323	mg/L	0.0002777	1.05%
QC value within limits for Cu 324.752 A Recovery = 114.45%								
Fe 273.955 Rt	81657.2	91.5915	mg/L	1.09585	91.5915	mg/L	1.09585	1.20%
QC value within limits for Fe 273.955 R Recovery = 95.81%								
Ga 417.206 At	3970.1	0.026841	mg/L	0.0000121	0.026841	mg/L	0.0000121	0.05%
K 766.490 Rt	-29.9	-0.011438	mg/L	0.0038437	-0.011438	mg/L	0.0038437	33.60%
La 379.478 At	4491.8	0.022783	mg/L	0.0000170	0.022783	mg/L	0.0000170	0.07%
Li 670.784 Rt	-9.8	-0.000105	mg/L	0.0002743	-0.000105	mg/L	0.0002743	260.85%
Mg 279.077 Rt	130533.3	249.657	mg/L	0.3749	249.657	mg/L	0.3749	0.15%
QC value within limits for Mg 279.077 R Recovery = 100.87%								
Mn 260.568 Rt	400.7	0.015465	mg/L	0.0000733	0.015465	mg/L	0.0000733	0.47%
QC value within limits for Mn 260.568 R Recovery = 81.39%								
Mo 202.031 At	62.8	0.006107	mg/L	0.0001045	0.006107	mg/L	0.0001045	1.71%
Na 589.592 Rt	6450.5	0.817947	mg/L	0.0073825	0.817947	mg/L	0.0073825	0.90%
Ni 232.003 At	-570.2	0.033187	mg/L	0.0009114	0.033187	mg/L	0.0009114	2.75%
QC value within limits for Ni 232.003 A Recovery = 158.04%								
P 213.617 At	19.1	0.043578	mg/L	0.0000887	0.043578	mg/L	0.0000887	0.20%
Pb 220.353 At	-8.5	-0.002772	mg/L	0.0013483	0.002772	mg/L	0.0013483	48.64%
QC value within limits for Pb 220.353 A Recovery = 27.72%								
Sb 206.836 At	8.3	0.001465	mg/L	0.0035436	0.001465	mg/L	0.0035436	241.90%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-658.8	-0.000562	mg/L	0.0000084	-0.000562	mg/L	0.0000084	1.50%
Se 196.026 At	14.7	0.020107	mg/L	0.0030543	0.020107	mg/L	0.0030543	15.19%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	23.0	0.016482	mg/L	0.0030074	0.016482	mg/L	0.0030074	18.25%
SIO2 251.611 Rt	23.0	0.035270	mg/L	0.0064358	0.035270	mg/L	0.0064358	18.25%
Sn 189.927 At	-36.9	-0.014006	mg/L	0.0016913	-0.014006	mg/L	0.0016913	12.08%
Sr 421.552 Rt	74363.0	0.091828	mg/L	0.0012982	0.091828	mg/L	0.0012982	1.41%
Ti 336.121 At	519.7	-0.005244	mg/L	0.0000849	-0.005244	mg/L	0.0000849	1.62%
Tl 190.801 At	-1.7	0.003251	mg/L	0.0045291	0.003251	mg/L	0.0045291	139.33%
QC value within limits for Tl 190.801 A Recovery = Not calculated								

V 292.402 At	462.8	-0.000429	mg/L	0.0001962	-0.000429	mg/L	0.0001962 45.71%
QC value within limits for V 292.402 A Recovery = -42.92%							
Zn 206.200 At	323.1	0.032319	mg/L	0.0003093	0.032319	mg/L	0.0003093 0.96%
QC value within limits for Zn 206.200 A Recovery = 115.43%							

All analyte(s) passed QC.

Sequence No.: 20
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/20/2009 10:40:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	175589.3	175589.3	101.177	%			10:42:44
1	Al 308.215 Rt	241074.4	238216.7	244.656	mg/L	244.656	mg/L	10:42:44
1	B 249.677 Rt	7.6	0.2	0.000049	mg/L	0.000049	mg/L	10:43:14
1	Be 313.107 Rt	68970.1	68067.8	0.475851	mg/L	0.475851	mg/L	10:42:44
1	Ca 315.887 Rt	855600.0	845701.0	228.568	mg/L	228.568	mg/L	10:42:44
1	Fe 273.955 Rt	81456.1	80489.8	90.2798	mg/L	90.2798	mg/L	10:42:54
1	K 766.490 Rt	280.1	-31.6	-0.012099	mg/L	-0.012099	mg/L	10:42:54
1	Li 670.784 Rt	91.0	-14.7	-0.000158	mg/L	-0.000158	mg/L	10:42:54
1	Mg 279.077 Rt	130382.0	128862.0	246.460	mg/L	246.460	mg/L	10:42:44
1	Mn 260.568 Rt	6776.2	6676.7	0.472106	mg/L	0.472106	mg/L	10:43:14
1	Na 589.592 Rt	6526.2	6370.1	0.807755	mg/L	0.807755	mg/L	10:42:54
1	Si 251.611 Rt	84.4	38.1	0.027439	mg/L	0.027439	mg/L	10:43:14
1	SIO2 251.611 Rt	84.4	38.1	0.058719	mg/L	0.058719	mg/L	10:43:14
1	Sr 421.552 Rt	75016.4	73952.6	0.091321	mg/L	0.091321	mg/L	10:42:54
1	Lu 261.542 A	2253288.8	2253288.8	92.9421	%			10:44:09
1	Ag 328.068 At	27130.3	29542.9	0.211168	mg/L	0.211168	mg/L	10:44:20
1	As 188.979 At	66.1	79.7	0.088182	mg/L	0.088182	mg/L	10:44:40
1	Ba 233.527 At	19169.9	20679.5	0.474671	mg/L	0.474671	mg/L	10:44:20
1	Bi 222.821 At	85.7	57.9	-0.019441	mg/L	-0.019441	mg/L	10:44:40
1	Cd 226.502 At	30273.0	32628.8	0.920359	mg/L	0.920359	mg/L	10:44:20
1	Co 228.616 At	7854.9	8538.3	0.464323	mg/L	0.464323	mg/L	10:44:20
1	Cr 267.716 At	19403.8	20714.2	0.524194	mg/L	0.524194	mg/L	10:44:20
1	Cu 324.752 At	96017.3	100749.0	0.560664	mg/L	0.560664	mg/L	10:44:20
1	Ga 417.206 At	3562.8	3908.7	0.026402	mg/L	0.026402	mg/L	10:44:20
1	La 379.478 At	4022.0	4792.4	0.024308	mg/L	0.024308	mg/L	10:44:20
1	Mo 202.031 At	85.7	62.0	0.006022	mg/L	0.006022	mg/L	10:44:40
1	Ni 232.003 At	9325.8	10119.7	1.03936	mg/L	1.03936	mg/L	10:44:20
1	P 213.617 At	-38.2	25.4	0.032696	mg/L	0.032696	mg/L	10:44:40
1	Pb 220.353 At	208.3	181.8	0.051011	mg/L	0.051011	mg/L	10:44:40
1	Sb 206.836 At	952.6	1035.3	0.585114	mg/L	0.585114	mg/L	10:44:40
1	Sc 361.383 At	-607.7	-660.4	-0.000563	mg/L	-0.000563	mg/L	10:44:20
1	Se 196.026 At	16.5	43.4	0.082055	mg/L	0.082055	mg/L	10:44:40
1	Sn 189.927 At	-64.3	-41.0	-0.015580	mg/L	-0.015580	mg/L	10:44:40
1	Ti 336.121 At	51.1	486.7	-0.005270	mg/L	-0.005270	mg/L	10:44:20
1	Tl 190.801 At	56.1	68.4	0.090497	mg/L	0.090497	mg/L	10:44:40
1	V 292.402 At	38890.1	42140.4	0.496287	mg/L	0.496287	mg/L	10:44:20
1	Zn 206.200 At	8675.3	9309.3	0.930880	mg/L	0.930880	mg/L	10:44:20
2	Lu 261.542 R	173902.0	173902.0	100.205	%			10:43:26
2	Al 308.215 Rt	238462.5	237922.0	244.353	mg/L	244.353	mg/L	10:43:26
2	B 249.677 Rt	9.3	2.0	0.000989	mg/L	0.000989	mg/L	10:43:56
2	Be 313.107 Rt	67803.2	67564.8	0.472334	mg/L	0.472334	mg/L	10:43:26
2	Ca 315.887 Rt	851003.0	849318.4	229.546	mg/L	229.546	mg/L	10:43:26
2	Fe 273.955 Rt	80637.7	80454.2	90.2398	mg/L	90.2398	mg/L	10:43:36
2	K 766.490 Rt	276.3	-32.8	-0.012540	mg/L	-0.012540	mg/L	10:43:36
2	Li 670.784 Rt	98.2	-6.8	-0.000072	mg/L	-0.000072	mg/L	10:43:36
2	Mg 279.077 Rt	129693.1	129425.0	247.537	mg/L	247.537	mg/L	10:43:26
2	Mn 260.568 Rt	6718.0	6683.6	0.472577	mg/L	0.472577	mg/L	10:43:56
2	Na 589.592 Rt	6461.1	6367.8	0.807461	mg/L	0.807461	mg/L	10:43:36
2	Si 251.611 Rt	83.3	37.9	0.027250	mg/L	0.027250	mg/L	10:43:56
2	SIO2 251.611 Rt	83.3	37.9	0.058314	mg/L	0.058314	mg/L	10:43:56
2	Sr 421.552 Rt	73975.3	73633.0	0.090926	mg/L	0.090926	mg/L	10:43:36
2	Lu 261.542 A	2257574.6	2257574.6	93.1189	%			10:44:51
2	Ag 328.068 At	27115.6	29471.8	0.210640	mg/L	0.210640	mg/L	10:45:02
2	As 188.979 At	75.8	89.9	0.099762	mg/L	0.099762	mg/L	10:45:22
2	Ba 233.527 At	19147.8	20616.6	0.473228	mg/L	0.473228	mg/L	10:45:02
2	Bi 222.821 At	78.8	50.3	-0.026394	mg/L	-0.026394	mg/L	10:45:22
2	Cd 226.502 At	30179.8	32466.9	0.915687	mg/L	0.915687	mg/L	10:45:02
2	Co 228.616 At	7872.5	8541.2	0.464481	mg/L	0.464481	mg/L	10:45:02
2	Cr 267.716 At	19334.8	20600.5	0.521300	mg/L	0.521300	mg/L	10:45:02
2	Cu 324.752 At	96080.7	100621.0	0.559951	mg/L	0.559951	mg/L	10:45:02

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2	Ga 417.206 At	3544.4	3881.6	0.026085 mg/L	0.026085 mg/L	10:45:02
2	La 379.478 At	4062.0	4827.2	0.024484 mg/L	0.024484 mg/L	10:45:02
2	Mo 202.031 At	88.1	64.4	0.006302 mg/L	0.006302 mg/L	10:45:22
2	Ni 232.003 At	9333.5	10108.9	1.03838 mg/L	1.03838 mg/L	10:45:02
2	P 213.617 At	-28.5	35.9	0.038796 mg/L	0.038796 mg/L	10:45:22
2	Pb 220.353 At	212.3	185.7	0.051992 mg/L	0.051992 mg/L	10:45:22
2	Sb 206.836 At	954.4	1035.3	0.585153 mg/L	0.585153 mg/L	10:45:22
2	Sc 361.383 At	-614.5	-666.5	-0.000568 mg/L	-0.000568 mg/L	10:45:02
2	Se 196.026 At	9.0	35.3	0.064382 mg/L	0.064382 mg/L	10:45:22
2	Sn 189.927 At	-56.3	-32.2	-0.012237 mg/L	-0.012237 mg/L	10:45:22
2	Ti 336.121 At	53.5	489.1	-0.005292 mg/L	-0.005292 mg/L	10:45:02
2	Tl 190.801 At	56.8	69.1	0.091379 mg/L	0.091379 mg/L	10:45:22
2	V 292.402 At	38863.6	42032.6	0.495004 mg/L	0.495004 mg/L	10:45:02
2	Zn 206.200 At	8678.8	9295.5	0.929495 mg/L	0.929495 mg/L	10:45:02

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	174745.7	100.691	%	0.6875				0.68%
Lu 261.542 A	2255431.7	93.0305	%	0.12500				0.13%
Ag 328.068 At	29507.3	0.210904	mg/L	0.0003733	0.210904	mg/L	0.0003733	0.18%
QC value within limits for Ag 328.068 A Recovery = 102.38%								
Al 308.215 Rt	238069.3	244.504	mg/L	0.2140	244.504	mg/L	0.2140	0.09%
QC value within limits for Al 308.215 R Recovery = 101.41%								
As 188.979 At	84.8	0.093972	mg/L	0.0081880	0.093972	mg/L	0.0081880	8.71%
QC value within limits for As 188.979 A Recovery = 93.04%								
B 249.677 Rt	1.1	0.000519	mg/L	0.0006647	0.000519	mg/L	0.0006647	128.16%
Ba 233.527 At	20648.0	0.473949	mg/L	0.0010203	0.473949	mg/L	0.0010203	0.22%
QC value within limits for Ba 233.527 A Recovery = 95.75%								
Be 313.107 Rt	67816.3	0.474093	mg/L	0.0024866	0.474093	mg/L	0.0024866	0.52%
QC value within limits for Be 313.107 R Recovery = 99.81%								
Bi 222.821 At	54.1	-0.022918	mg/L	0.0049164	-0.022918	mg/L	0.0049164	21.45%
Ca 315.887 Rt	847509.7	229.057	mg/L	0.6913	229.057	mg/L	0.6913	0.30%
QC value within limits for Ca 315.887 R Recovery = 99.12%								
Cd 226.502 At	32547.9	0.918023	mg/L	0.0033035	0.918023	mg/L	0.0033035	0.36%
QC value within limits for Cd 226.502 A Recovery = 97.66%								
Co 228.616 At	8539.7	0.464402	mg/L	0.0001120	0.464402	mg/L	0.0001120	0.02%
QC value within limits for Co 228.616 A Recovery = 100.74%								
Cr 267.716 At	20657.3	0.522747	mg/L	0.0020463	0.522747	mg/L	0.0020463	0.39%
QC value within limits for Cr 267.716 A Recovery = 102.30%								
Cu 324.752 At	100685.0	0.560308	mg/L	0.0005042	0.560308	mg/L	0.0005042	0.09%
QC value within limits for Cu 324.752 A Recovery = 102.25%								
Fe 273.955 Rt	80472.0	90.2598	mg/L	0.02829	90.2598	mg/L	0.02829	0.03%
QC value within limits for Fe 273.955 R Recovery = 95.21%								
Ga 417.206 At	3895.1	0.026243	mg/L	0.0002239	0.026243	mg/L	0.0002239	0.85%
K 766.490 Rt	-32.2	-0.012320	mg/L	0.0003123	-0.012320	mg/L	0.0003123	2.53%
La 379.478 At	4809.8	0.024396	mg/L	0.0001248	0.024396	mg/L	0.0001248	0.51%
Li 670.784 Rt	-10.7	-0.000115	mg/L	0.0000606	-0.000115	mg/L	0.0000606	52.55%
Mg 279.077 Rt	129143.5	246.998	mg/L	0.7613	246.998	mg/L	0.7613	0.31%
QC value within limits for Mg 279.077 R Recovery = 98.37%								
Mn 260.568 Rt	6680.2	0.472341	mg/L	0.0003324	0.472341	mg/L	0.0003324	0.07%
QC value within limits for Mn 260.568 R Recovery = 94.09%								
Mo 202.031 At	63.2	0.006162	mg/L	0.0001982	0.006162	mg/L	0.0001982	3.22%
Na 589.592 Rt	6368.9	0.807608	mg/L	0.0002080	0.807608	mg/L	0.0002080	0.03%
Ni 232.003 At	10114.3	1.03887	mg/L	0.000691	1.03887	mg/L	0.000691	0.07%
QC value within limits for Ni 232.003 A Recovery = 105.58%								
P 213.617 At	30.6	0.035746	mg/L	0.0043134	0.035746	mg/L	0.0043134	12.07%
Pb 220.353 At	183.7	0.051502	mg/L	0.0006933	0.051502	mg/L	0.0006933	1.35%
QC value within limits for Pb 220.353 A Recovery = 84.43%								
Sb 206.836 At	1035.3	0.585133	mg/L	0.0000272	0.585133	mg/L	0.0000272	0.00%
QC value within limits for Sb 206.836 A Recovery = 99.34%								
Sc 361.383 At	-663.5	-0.000565	mg/L	0.0000036	-0.000565	mg/L	0.0000036	0.64%
Se 196.026 At	39.4	0.073218	mg/L	0.0124968	0.073218	mg/L	0.0124968	17.07%
QC value within limits for Se 196.026 A Recovery = 138.15%								
Si 251.611 Rt	38.0	0.027344	mg/L	0.0001339	0.027344	mg/L	0.0001339	0.49%
SIO2 251.611 Rt	38.0	0.058517	mg/L	0.0002865	0.058517	mg/L	0.0002865	0.49%
Sn 189.927 At	-36.6	-0.013909	mg/L	0.0023635	-0.013909	mg/L	0.0023635	16.99%
Sr 421.552 Rt	73792.8	0.091124	mg/L	0.0002791	0.091124	mg/L	0.0002791	0.31%
Ti 336.121 At	487.9	-0.005281	mg/L	0.0000153	-0.005281	mg/L	0.0000153	0.29%
Tl 190.801 At	68.8	0.090938	mg/L	0.0006242	0.090938	mg/L	0.0006242	0.69%
QC value within limits for Tl 190.801 A Recovery = 88.29%								

V 292.402 At	42086.5	0.495645	mg/L	0.0009077	0.495645	mg/L	0.0009077	0.18%
QC value within limits for V 292.402 A Recovery = 100.33%								
Zn 206.200 At	9302.4	0.930187	mg/L	0.0009800	0.930187	mg/L	0.0009800	0.11%
QC value within limits for Zn 206.200 A Recovery = 90.49%								

All analyte(s) passed QC.

Sequence No.: 21
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 10:47:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	179317.5	179317.5	103.325	%			10:48:59
1	Al 308.215 Rt	2137.5	2015.9	2.01370	mg/L	2.01370	mg/L	10:49:19
1	B 249.677 Rt	3847.7	3716.6	1.93408	mg/L	1.93408	mg/L	10:49:19
1	Be 313.107 Rt	282095.3	272916.5	1.90773	mg/L	1.90773	mg/L	10:48:59
1	Ca 315.887 Rt	74819.5	72467.4	19.5858	mg/L	19.5858	mg/L	10:48:59
1	Fe 273.955 Rt	9098.4	8786.9	9.84986	mg/L	9.84986	mg/L	10:49:19
1	K 766.490 Rt	52187.7	50199.5	19.1950	mg/L	19.1950	mg/L	10:48:59
1	Li 670.784 Rt	122.3	13.6	0.000146	mg/L	0.000146	mg/L	10:49:19
1	Mg 279.077 Rt	10733.2	10384.8	19.8619	mg/L	19.8619	mg/L	10:49:19
1	Mn 260.568 Rt	27339.1	26438.5	1.92162	mg/L	1.92162	mg/L	10:49:19
1	Na 589.592 Rt	167279.2	161815.4	20.5189	mg/L	20.5189	mg/L	10:48:59
1	Si 251.611 Rt	1598.6	1501.9	1.03269	mg/L	1.03269	mg/L	10:49:19
1	SIO2 251.611 Rt	1598.6	1501.9	2.20996	mg/L	2.20996	mg/L	10:49:19
1	Sr 421.552 Rt	956.8	735.0	0.000908	mg/L	0.000908	mg/L	10:49:19
1	Lu 261.542 A	2488222.0	2488222.0	102.632	%			10:50:04
1	Ag 328.068 At	282230.4	275343.8	1.93056	mg/L	1.93056	mg/L	10:50:15
1	As 188.979 At	1775.1	1738.1	1.95532	mg/L	1.95532	mg/L	10:50:35
1	Ba 233.527 At	86146.8	83991.1	1.92791	mg/L	1.92791	mg/L	10:50:15
1	Bi 222.821 At	82.3	45.9	0.002239	mg/L	0.002239	mg/L	10:50:35
1	Cd 226.502 At	68706.9	67001.5	1.93520	mg/L	1.93520	mg/L	10:50:15
1	Co 228.616 At	36645.2	35792.2	1.94184	mg/L	1.94184	mg/L	10:50:15
1	Cr 267.716 At	79473.0	77271.5	1.96121	mg/L	1.96121	mg/L	10:50:15
1	Cu 324.752 At	363118.6	351245.1	1.95459	mg/L	1.95459	mg/L	10:50:04
1	Ga 417.206 At	862.5	915.6	0.001060	mg/L	0.001060	mg/L	10:50:15
1	La 379.478 At	988.9	1428.5	0.007246	mg/L	0.007246	mg/L	10:50:15
1	Mo 202.031 At	17012.7	16546.1	2.00503	mg/L	2.00503	mg/L	10:50:15
1	Ni 232.003 At	21154.8	20697.9	1.92293	mg/L	1.92293	mg/L	10:50:15
1	P 213.617 At	-24.3	42.7	-0.004646	mg/L	-0.004646	mg/L	10:50:35
1	Pb 220.353 At	7860.1	7616.2	1.95285	mg/L	1.95285	mg/L	10:50:35
1	Sb 206.836 At	3536.1	3455.8	1.96629	mg/L	1.96629	mg/L	10:50:35
1	Sc 361.383 At	-248.2	-248.4	-0.000212	mg/L	-0.000212	mg/L	10:50:35
1	Se 196.026 At	905.3	907.8	1.95833	mg/L	1.95833	mg/L	10:50:35
1	Sn 189.927 At	-33.8	-4.8	-0.001815	mg/L	-0.001815	mg/L	10:50:35
1	Ti 336.121 At	550420.9	536734.6	1.95823	mg/L	1.95823	mg/L	10:50:04
1	Tl 190.801 At	1560.1	1528.1	1.89813	mg/L	1.89813	mg/L	10:50:35
1	V 292.402 At	168692.6	164662.9	1.97472	mg/L	1.97472	mg/L	10:50:15
1	Zn 206.200 At	19894.6	19359.6	1.92974	mg/L	1.92974	mg/L	10:50:15
2	Lu 261.542 R	180195.4	180195.4	103.831	%			10:49:30
2	Al 308.215 Rt	2165.2	2032.5	2.03116	mg/L	2.03116	mg/L	10:49:50
2	B 249.677 Rt	3896.8	3745.8	1.94925	mg/L	1.94925	mg/L	10:49:50
2	Be 313.107 Rt	282898.1	272359.7	1.90384	mg/L	1.90384	mg/L	10:49:30
2	Ca 315.887 Rt	74640.2	71942.0	19.4438	mg/L	19.4438	mg/L	10:49:30
2	Fe 273.955 Rt	9176.9	8819.7	9.88663	mg/L	9.88663	mg/L	10:49:50
2	K 766.490 Rt	52509.1	50263.0	19.2193	mg/L	19.2193	mg/L	10:49:30
2	Li 670.784 Rt	113.1	4.2	0.000045	mg/L	0.000045	mg/L	10:49:50
2	Mg 279.077 Rt	10823.0	10420.8	19.9307	mg/L	19.9307	mg/L	10:49:50
2	Mn 260.568 Rt	27569.2	26531.2	1.92837	mg/L	1.92837	mg/L	10:49:50
2	Na 589.592 Rt	168888.0	162576.1	20.6153	mg/L	20.6153	mg/L	10:49:30
2	Si 251.611 Rt	1614.8	1509.9	1.03887	mg/L	1.03887	mg/L	10:49:50
2	SIO2 251.611 Rt	1614.8	1509.9	2.22317	mg/L	2.22317	mg/L	10:49:50
2	Sr 421.552 Rt	963.8	737.3	0.000910	mg/L	0.000910	mg/L	10:49:50
2	Lu 261.542 A	2511688.8	2511688.8	103.600	%			10:50:48
2	Ag 328.068 At	282773.9	273299.1	1.91624	mg/L	1.91624	mg/L	10:50:58
2	As 188.979 At	1770.8	1717.9	1.93252	mg/L	1.93252	mg/L	10:51:19
2	Ba 233.527 At	86568.0	83613.3	1.91924	mg/L	1.91924	mg/L	10:50:58
2	Bi 222.821 At	75.5	38.6	-0.004219	mg/L	-0.004219	mg/L	10:51:19
2	Cd 226.502 At	68897.7	66560.3	1.92243	mg/L	1.92243	mg/L	10:50:58
2	Co 228.616 At	36737.2	35547.4	1.92854	mg/L	1.92854	mg/L	10:50:58
2	Cr 267.716 At	79747.8	76813.3	1.94958	mg/L	1.94958	mg/L	10:50:58
2	Cu 324.752 At	366424.5	351130.5	1.95396	mg/L	1.95396	mg/L	10:50:48

Method: ILM05 OPT5 Page 51 Date: 5/20/2009 10:51:21 AM

2	Ga 417.206 At	849.8	895.6	0.000832 mg/L	0.000832 mg/L	10:50:58
2	La 379.478 At	976.9	1408.0	0.007142 mg/L	0.007142 mg/L	10:50:58
2	Mo 202.031 At	16997.5	16376.7	1.98448 mg/L	1.98448 mg/L	10:50:58
2	Ni 232.003 At	21186.0	20535.5	1.90790 mg/L	1.90790 mg/L	10:50:58
2	P 213.617 At	-20.7	46.5	-0.002538 mg/L	-0.002538 mg/L	10:51:19
2	Pb 220.353 At	7844.2	7529.3	1.93052 mg/L	1.93052 mg/L	10:51:19
2	Sb 206.836 At	3544.2	3431.4	1.95233 mg/L	1.95233 mg/L	10:51:19
2	Sc 361.383 At	-257.4	-255.0	-0.000217 mg/L	-0.000217 mg/L	10:51:19
2	Se 196.026 At	906.6	900.8	1.94322 mg/L	1.94322 mg/L	10:51:19
2	Sn 189.927 At	-37.1	-7.7	-0.002909 mg/L	-0.002909 mg/L	10:51:19
2	Ti 336.121 At	554082.2	535258.0	1.95284 mg/L	1.95284 mg/L	10:50:48
2	Tl 190.801 At	1557.5	1511.4	1.87745 mg/L	1.87745 mg/L	10:51:19
2	V 292.402 At	168978.0	163402.7	1.95957 mg/L	1.95957 mg/L	10:50:58
2	Zn 206.200 At	19953.8	19235.6	1.91734 mg/L	1.91734 mg/L	10:50:58

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	179756.4	103.578	%	0.3577				0.35%
Lu 261.542 A	2499955.4	103.116	%	0.6844				0.66%
Ag 328.068 At	274321.5	1.92340	mg/L	0.010124	1.92340	mg/L	0.010124	0.53%
QC value within limits for Ag 328.068 A Recovery = 96.17%								
Al 308.215 Rt	2024.2	2.02243	mg/L	0.012344	2.02243	mg/L	0.012344	0.61%
QC value within limits for Al 308.215 R Recovery = 101.12%								
As 188.979 At	1728.0	1.94392	mg/L	0.016123	1.94392	mg/L	0.016123	0.83%
QC value within limits for As 188.979 A Recovery = 97.20%								
B 249.677 Rt	3731.2	1.94166	mg/L	0.010722	1.94166	mg/L	0.010722	0.55%
Ba 233.527 At	83802.2	1.92357	mg/L	0.006131	1.92357	mg/L	0.006131	0.32%
QC value within limits for Ba 233.527 A Recovery = 96.18%								
Be 313.107 Rt	272638.1	1.90578	mg/L	0.002753	1.90578	mg/L	0.002753	0.14%
QC value within limits for Be 313.107 R Recovery = 95.29%								
Bi 222.821 At	42.2	-0.000990	mg/L	0.0045664	-0.000990	mg/L	0.0045664	461.29%
Ca 315.887 Rt	72204.7	19.5148	mg/L	0.10040	19.5148	mg/L	0.10040	0.51%
QC value within limits for Ca 315.887 R Recovery = 97.57%								
Cd 226.502 At	66780.9	1.92881	mg/L	0.009033	1.92881	mg/L	0.009033	0.47%
QC value within limits for Cd 226.502 A Recovery = 96.44%								
Co 228.616 At	35669.8	1.93519	mg/L	0.009404	1.93519	mg/L	0.009404	0.49%
QC value within limits for Co 228.616 A Recovery = 96.76%								
Cr 267.716 At	77042.4	1.95540	mg/L	0.008227	1.95540	mg/L	0.008227	0.42%
QC value within limits for Cr 267.716 A Recovery = 97.77%								
Cu 324.752 At	351187.8	1.95427	mg/L	0.000447	1.95427	mg/L	0.000447	0.02%
QC value within limits for Cu 324.752 A Recovery = 97.71%								
Fe 273.955 Rt	8803.3	9.86824	mg/L	0.025999	9.86824	mg/L	0.025999	0.26%
QC value within limits for Fe 273.955 R Recovery = 98.68%								
Ga 417.206 At	905.6	0.000946	mg/L	0.0001614	0.000946	mg/L	0.0001614	17.06%
K 766.490 Rt	50231.3	19.2071	mg/L	0.01718	19.2071	mg/L	0.01718	0.09%
QC value within limits for K 766.490 R Recovery = 96.04%								
La 379.478 At	1418.3	0.007194	mg/L	0.0000736	0.007194	mg/L	0.0000736	1.02%
Li 670.784 Rt	8.9	0.000096	mg/L	0.0000715	0.000096	mg/L	0.0000715	74.65%
Mg 279.077 Rt	10402.8	19.8963	mg/L	0.04864	19.8963	mg/L	0.04864	0.24%
QC value within limits for Mg 279.077 R Recovery = 99.48%								
Mn 260.568 Rt	26484.9	1.92499	mg/L	0.004770	1.92499	mg/L	0.004770	0.25%
QC value within limits for Mn 260.568 R Recovery = 96.25%								
Mo 202.031 At	16461.4	1.99476	mg/L	0.014528	1.99476	mg/L	0.014528	0.73%
Na 589.592 Rt	162195.7	20.5671	mg/L	0.06821	20.5671	mg/L	0.06821	0.33%
QC value within limits for Na 589.592 R Recovery = 102.84%								
Ni 232.003 At	20616.7	1.91542	mg/L	0.010627	1.91542	mg/L	0.010627	0.55%
QC value within limits for Ni 232.003 A Recovery = 95.77%								
P 213.617 At	44.6	-0.003592	mg/L	0.0014905	-0.003592	mg/L	0.0014905	41.49%
Pb 220.353 At	7572.8	1.94169	mg/L	0.015787	1.94169	mg/L	0.015787	0.81%
QC value within limits for Pb 220.353 A Recovery = 97.08%								
Sb 206.836 At	3443.6	1.95931	mg/L	0.009871	1.95931	mg/L	0.009871	0.50%
QC value within limits for Sb 206.836 A Recovery = 97.97%								
Sc 361.383 At	-251.7	-0.000215	mg/L	0.0000040	-0.000215	mg/L	0.0000040	1.85%
Se 196.026 At	904.3	1.95077	mg/L	0.010687	1.95077	mg/L	0.010687	0.55%
QC value within limits for Se 196.026 A Recovery = 97.54%								
Si 251.611 Rt	1505.9	1.03578	mg/L	0.004367	1.03578	mg/L	0.004367	0.42%
SIO2 251.611 Rt	1505.9	2.21657	mg/L	0.009345	2.21657	mg/L	0.009345	0.42%
Sn 189.927 At	-6.2	-0.002362	mg/L	0.0007738	-0.002362	mg/L	0.0007738	32.76%
Sr 421.552 Rt	736.1	0.000909	mg/L	0.0000020	0.000909	mg/L	0.0000020	0.21%
Ti 336.121 At	535996.3	1.95554	mg/L	0.003811	1.95554	mg/L	0.003811	0.19%

Tl 190.801 At	1519.8	1.88779	mg/L	0.014625	1.88779	mg/L	0.014625	0.77%
QC value within limits for Tl 190.801 A Recovery = 94.39%								
V 292.402 At	164032.8	1.96715	mg/L	0.010717	1.96715	mg/L	0.010717	0.54%
QC value within limits for V 292.402 A Recovery = 98.36%								
Zn 206.200 At	19297.6	1.92354	mg/L	0.008769	1.92354	mg/L	0.008769	0.46%
QC value within limits for Zn 206.200 A Recovery = 96.18%								

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 53 Date: 5/20/2009 10:57:11 AM

Sequence No.: 22
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 10:53:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	183389.5	183389.5	105.672	%			10:54:53
1	Al 308.215 Rt	62.7	6.6	0.006729	mg/L	0.006729	mg/L	10:55:14
1	B 249.677 Rt	8.2	0.5	0.000257	mg/L	0.000257	mg/L	10:55:14
1	Be 313.107 Rt	109.1	3.5	0.000024	mg/L	0.000024	mg/L	10:55:14
1	Ca 315.887 Rt	-72.2	-12.4	-0.003357	mg/L	-0.003357	mg/L	10:55:14
1	Fe 273.955 Rt	19.3	-0.3	-0.000353	mg/L	-0.000353	mg/L	10:55:14
1	K 766.490 Rt	318.2	-7.4	-0.002847	mg/L	-0.002847	mg/L	10:54:53
1	Li 670.784 Rt	105.0	-5.3	-0.000057	mg/L	-0.000057	mg/L	10:54:53
1	Mg 279.077 Rt	11.1	7.6	0.014516	mg/L	0.014516	mg/L	10:55:14
1	Mn 260.568 Rt	12.5	-8.9	-0.000645	mg/L	-0.000645	mg/L	10:55:14
1	Na 589.592 Rt	94.8	9.6	0.001218	mg/L	0.001218	mg/L	10:54:53
1	Si 251.611 Rt	42.2	-5.4	-0.003918	mg/L	-0.003918	mg/L	10:55:14
1	SIO2 251.611 Rt	42.2	-5.4	-0.008384	mg/L	-0.008384	mg/L	10:55:14
1	Sr 421.552 Rt	181.5	-19.2	-0.000024	mg/L	-0.000024	mg/L	10:54:53
1	Lu 261.542 A	2531709.0	2531709.0	104.426	%			10:55:57
1	Ag 328.068 At	-319.3	46.7	0.000324	mg/L	0.000324	mg/L	10:56:08
1	As 188.979 At	-7.4	1.5	0.001708	mg/L	0.001708	mg/L	10:56:28
1	Ba 233.527 At	-56.5	-0.2	-0.000006	mg/L	-0.000006	mg/L	10:56:28
1	Bi 222.821 At	34.6	-1.2	-0.001120	mg/L	-0.001120	mg/L	10:56:28
1	Cd 226.502 At	-49.5	9.6	0.000277	mg/L	0.000277	mg/L	10:56:28
1	Co 228.616 At	-91.3	-0.5	-0.000028	mg/L	-0.000028	mg/L	10:56:28
1	Cr 267.716 At	170.9	0.6	0.000016	mg/L	0.000016	mg/L	10:56:28
1	Cu 324.752 At	2820.8	-141.5	0.000788	mg/L	0.000788	mg/L	10:56:08
1	Ga 417.206 At	-92.3	-13.1	-0.000158	mg/L	-0.000158	mg/L	10:56:08
1	La 379.478 At	-465.8	19.0	0.000096	mg/L	0.000096	mg/L	10:56:08
1	Mo 202.031 At	39.2	7.3	0.000890	mg/L	0.000890	mg/L	10:56:28
1	Ni 232.003 At	-76.8	12.1	0.001151	mg/L	0.001151	mg/L	10:56:28
1	P 213.617 At	-62.6	6.5	0.003781	mg/L	0.003781	mg/L	10:56:28
1	Pb 220.353 At	38.5	-5.4	-0.001389	mg/L	-0.001389	mg/L	10:56:28
1	Sb 206.836 At	-6.4	4.3	0.002468	mg/L	0.002468	mg/L	10:56:28
1	Sc 361.383 At	24.2	16.6	0.000014	mg/L	0.000014	mg/L	10:56:08
1	Se 196.026 At	-23.4	3.3	0.007103	mg/L	0.007103	mg/L	10:56:28
1	Sn 189.927 At	-27.4	2.0	0.000747	mg/L	0.000747	mg/L	10:56:28
1	Ti 336.121 At	-418.3	31.1	0.000113	mg/L	0.000113	mg/L	10:56:08
1	Tl 190.801 At	-9.0	-0.5	-0.000650	mg/L	-0.000650	mg/L	10:56:28
1	V 292.402 At	-313.7	-3.3	-0.000033	mg/L	-0.000033	mg/L	10:56:08
1	Zn 206.200 At	25.3	-0.5	-0.000053	mg/L	-0.000053	mg/L	10:56:28
2	Lu 261.542 R	184143.4	184143.4	106.106	%			10:55:24
2	Al 308.215 Rt	59.9	3.7	0.003773	mg/L	0.003773	mg/L	10:55:44
2	B 249.677 Rt	10.1	2.3	0.001180	mg/L	0.001180	mg/L	10:55:44
2	Be 313.107 Rt	113.7	7.4	0.000052	mg/L	0.000052	mg/L	10:55:44
2	Ca 315.887 Rt	-64.0	-4.4	-0.001182	mg/L	-0.001182	mg/L	10:55:44
2	Fe 273.955 Rt	22.4	2.5	0.002793	mg/L	0.002793	mg/L	10:55:44
2	K 766.490 Rt	309.2	-17.1	-0.006550	mg/L	-0.006550	mg/L	10:55:24
2	Li 670.784 Rt	77.1	-32.0	-0.000344	mg/L	-0.000344	mg/L	10:55:24
2	Mg 279.077 Rt	12.0	8.4	0.016123	mg/L	0.016123	mg/L	10:55:44
2	Mn 260.568 Rt	10.9	-10.4	-0.000761	mg/L	-0.000761	mg/L	10:55:44
2	Na 589.592 Rt	70.3	-13.9	-0.001766	mg/L	-0.001766	mg/L	10:55:24
2	Si 251.611 Rt	45.1	-2.8	-0.002055	mg/L	-0.002055	mg/L	10:55:44
2	SIO2 251.611 Rt	45.1	-2.8	-0.004398	mg/L	-0.004398	mg/L	10:55:44
2	Sr 421.552 Rt	165.0	-35.5	-0.000044	mg/L	-0.000044	mg/L	10:55:24
2	Lu 261.542 A	2503286.2	2503286.2	103.254	%			10:56:39
2	Ag 328.068 At	-360.8	3.0	0.000019	mg/L	0.000019	mg/L	10:56:49
2	As 188.979 At	-8.0	0.8	0.000886	mg/L	0.000886	mg/L	10:57:10
2	Ba 233.527 At	-55.1	0.5	0.000012	mg/L	0.000012	mg/L	10:57:10
2	Bi 222.821 At	34.6	-0.8	-0.000701	mg/L	-0.000701	mg/L	10:57:10
2	Cd 226.502 At	-50.9	7.6	0.000220	mg/L	0.000220	mg/L	10:57:10
2	Co 228.616 At	-92.7	-2.8	-0.000155	mg/L	-0.000155	mg/L	10:57:10
2	Cr 267.716 At	164.8	-3.5	-0.000088	mg/L	-0.000088	mg/L	10:57:10
2	Cu 324.752 At	2824.2	175.5	0.000977	mg/L	0.000977	mg/L	10:56:49

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2	Ga 417.206 At	-101.2	-22.7	-0.000274 mg/L	-0.000274 mg/L	10:56:49
2	La 379.478 At	-479.7	0.4	0.000002 mg/L	0.000002 mg/L	10:56:49
2	Mo 202.031 At	40.8	9.3	0.001130 mg/L	0.001130 mg/L	10:57:10
2	Ni 232.003 At	-82.9	5.4	0.000513 mg/L	0.000513 mg/L	10:57:10
2	P 213.617 At	-64.3	4.2	0.002401 mg/L	0.002401 mg/L	10:57:10
2	Pb 220.353 At	38.8	-4.7	-0.001211 mg/L	-0.001211 mg/L	10:57:10
2	Sb 206.836 At	-10.9	-0.2	-0.000082 mg/L	-0.000082 mg/L	10:57:10
2	Sc 361.383 At	17.1	10.0	0.000009 mg/L	0.000009 mg/L	10:56:49
2	Se 196.026 At	-21.2	5.1	0.011009 mg/L	0.011009 mg/L	10:57:10
2	Sn 189.927 At	-24.9	4.0	0.001532 mg/L	0.001532 mg/L	10:57:10
2	Ti 336.121 At	-434.9	10.5	0.000038 mg/L	0.000038 mg/L	10:56:49
2	Tl 190.801 At	-6.9	1.4	0.001758 mg/L	0.001758 mg/L	10:57:10
2	V 292.402 At	-316.6	-9.5	-0.000105 mg/L	-0.000105 mg/L	10:56:49
2	Zn 206.200 At	24.0	-1.4	-0.000146 mg/L	-0.000146 mg/L	10:57:10

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	183766.4	105.889	%	0.3071				0.29%
Lu 261.542 A	2517497.6	103.840	%	0.8290				0.80%
Ag 328.068 At	24.8	0.000172	mg/L	0.0002156	0.000172	mg/L	0.0002156	125.56%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	5.1	0.005251	mg/L	0.0020897	0.005251	mg/L	0.0020897	39.80%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	1.2	0.001297	mg/L	0.0005811	0.001297	mg/L	0.0005811	44.81%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	1.4	0.000718	mg/L	0.0006527	0.000718	mg/L	0.0006527	90.88%
Ba 233.527 At	0.1	0.000003	mg/L	0.0000121	0.000003	mg/L	0.0000121	404.11%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	5.4	0.000038	mg/L	0.0000193	0.000038	mg/L	0.0000193	51.02%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	-1.0	-0.000911	mg/L	0.0002964	-0.000911	mg/L	0.0002964	32.54%
Ca 315.887 Rt	-8.4	-0.002269	mg/L	0.0015380	-0.002269	mg/L	0.0015380	67.78%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	8.6	0.000248	mg/L	0.0000406	0.000248	mg/L	0.0000406	16.33%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-1.7	-0.000092	mg/L	0.0000894	-0.000092	mg/L	0.0000894	97.52%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-1.4	-0.000036	mg/L	0.0000737	-0.000036	mg/L	0.0000737	204.57%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	158.5	0.000882	mg/L	0.0001337	0.000882	mg/L	0.0001337	15.16%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	1.1	0.001220	mg/L	0.0022248	0.001220	mg/L	0.0022248	182.34%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-17.9	-0.000216	mg/L	0.0000820	-0.000216	mg/L	0.0000820	38.04%
K 766.490 Rt	-12.3	-0.004698	mg/L	0.0026182	-0.004698	mg/L	0.0026182	55.73%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	9.7	0.000049	mg/L	0.0000665	0.000049	mg/L	0.0000665	135.10%
Li 670.784 Rt	-18.7	-0.000200	mg/L	0.0002028	-0.000200	mg/L	0.0002028	101.30%
Mg 279.077 Rt	8.0	0.015319	mg/L	0.0011361	0.015319	mg/L	0.0011361	7.42%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-9.7	-0.000703	mg/L	0.0000822	-0.000703	mg/L	0.0000822	11.69%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	8.3	0.001010	mg/L	0.0001695	0.001010	mg/L	0.0001695	16.78%
Na 589.592 Rt	-2.2	-0.000274	mg/L	0.0021100	-0.000274	mg/L	0.0021100	769.18%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	8.7	0.000832	mg/L	0.0004510	0.000832	mg/L	0.0004510	54.19%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	5.4	0.003091	mg/L	0.0009757	0.003091	mg/L	0.0009757	31.57%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	-5.1	-0.001300	mg/L	0.0001262	-0.001300	mg/L	0.0001262	9.71%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	2.1	0.001193	mg/L	0.0018035	0.001193	mg/L	0.0018035	151.16%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	13.3	0.000011	mg/L	0.0000040	0.000011	mg/L	0.0000040	35.02%
Se 196.026 At	4.2	0.009056	mg/L	0.0027616	0.009056	mg/L	0.0027616	30.49%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-4.1	-0.002987	mg/L	0.0013171	-0.002987	mg/L	0.0013171	44.10%
SIO2 251.611 Rt	-4.1	-0.006391	mg/L	0.0028186	-0.006391	mg/L	0.0028186	44.10%
Sn 189.927 At	3.0	0.001139	mg/L	0.0005553	0.001139	mg/L	0.0005553	48.74%
Sr 421.552 Rt	-27.4	-0.000034	mg/L	0.0000142	-0.000034	mg/L	0.0000142	42.16%

Ti 336.121 At	20.8	0.000076	mg/L	0.0000532	0.000076	mg/L	0.0000532	70.22%
Tl 190.801 At	0.4	0.000554	mg/L	0.0017032	0.000554	mg/L	0.0017032	307.52%
QC value within limits for Tl 190.801 A Recovery = Not calculated								
V 292.402 At	-6.4	-0.000069	mg/L	0.0000512	-0.000069	mg/L	0.0000512	74.41%
QC value within limits for V 292.402 A Recovery = Not calculated								
Zn 206.200 At	-1.0	-0.000099	mg/L	0.0000662	-0.000099	mg/L	0.0000662	66.58%
QC value within limits for Zn 206.200 A Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 23
Sample ID: ME2QR4
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 5/20/2009 10:58:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR4

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	173165.3	173165.3	99.7805	%			11:00:47
1	Al 308.215 Rt	36080.2	36106.8	37.0775	mg/L	37.0775	mg/L	11:00:58
1	B 249.677 Rt	42.1	35.0	0.026227	mg/L	0.026227	mg/L	11:00:58
1	Be 313.107 Rt	760.5	662.4	0.005050	mg/L	0.005050	mg/L	11:00:58
1	Ca 315.887 Rt	145074.3	145449.4	39.3107	mg/L	39.3107	mg/L	11:00:47
1	Fe 273.955 Rt	776862.6	778553.3	873.479	mg/L	873.479	mg/L	11:00:47
1	K 766.490 Rt	77940.9	77803.9	29.7502	mg/L	29.7502	mg/L	11:00:47
1	Li 670.784 Rt	2378.6	2279.2	0.024449	mg/L	0.024449	mg/L	11:00:58
1	Mg 279.077 Rt	8363.9	8379.4	16.0263	mg/L	16.0263	mg/L	11:00:58
1	Mn 260.568 Rt	102997.4	103203.3	7.45494	mg/L	7.45494	mg/L	11:00:47
1	Na 589.592 Rt	262827.0	263325.1	33.3907	mg/L	33.3907	mg/L	11:00:47
1	Si 251.611 Rt	15271.8	15260.1	11.0289	mg/L	11.0289	mg/L	11:00:58
1	SIO2 251.611 Rt	15271.8	15260.1	23.6019	mg/L	23.6019	mg/L	11:00:58
1	Sr 421.552 Rt	97731.0	97755.1	0.120714	mg/L	0.120714	mg/L	11:00:47
1	Lu 261.542 A	2320232.6	2320232.6	95.7034	%			11:01:35
1	Ag 328.068 At	-1605.3	-1325.0	0.026462	mg/L	0.026462	mg/L	11:01:46
1	As 188.979 At	140.4	155.2	0.164302	mg/L	0.164302	mg/L	11:02:06
1	Ba 233.527 At	18149.7	19018.4	0.436543	mg/L	0.436543	mg/L	11:01:46
1	Bi 222.821 At	553.0	543.5	-0.263135	mg/L	-0.263135	mg/L	11:01:46
1	Cd 226.502 At	7384.5	7773.0	-0.005701	mg/L	-0.005701	mg/L	11:01:46
1	Co 228.616 At	968.8	1099.2	0.057447	mg/L	0.057447	mg/L	11:02:06
1	Cr 267.716 At	209735.6	218988.7	5.55842	mg/L	5.55842	mg/L	11:01:46
1	Cu 324.752 At	197665.5	203980.1	1.13406	mg/L	1.13406	mg/L	11:01:46
1	Ga 417.206 At	16674.5	17498.4	0.007261	mg/L	0.007261	mg/L	11:01:46
1	La 379.478 At	44170.4	46618.5	0.236456	mg/L	0.236456	mg/L	11:01:35
1	Mo 202.031 At	733.2	735.9	0.096351	mg/L	0.096351	mg/L	11:01:46
1	Ni 232.003 At	-543.3	-482.0	0.644855	mg/L	0.644855	mg/L	11:01:46
1	P 213.617 At	12829.7	13472.2	8.14433	mg/L	8.14433	mg/L	11:01:46
1	Pb 220.353 At	14348.9	14950.7	3.77699	mg/L	3.77699	mg/L	11:01:46
1	Sb 206.836 At	166.0	183.9	0.028392	mg/L	0.028392	mg/L	11:02:06
1	Sc 361.383 At	7070.1	7381.0	0.006291	mg/L	0.006291	mg/L	11:01:46
1	Se 196.026 At	-78.8	-56.7	-0.018919	mg/L	-0.018919	mg/L	11:02:06
1	Sn 189.927 At	10665.2	11172.2	4.24288	mg/L	4.24288	mg/L	11:02:06
1	Ti 336.121 At	259142.2	271208.2	0.989094	mg/L	0.989094	mg/L	11:01:46
1	Tl 190.801 At	-46.4	-40.4	0.019424	mg/L	0.019424	mg/L	11:02:06
1	V 292.402 At	16138.0	17159.6	0.156679	mg/L	0.156679	mg/L	11:01:46
1	Zn 206.200 At	100129.5	104600.1	10.4663	mg/L	10.4663	mg/L	11:01:46
2	Lu 261.542 R	173390.3	173390.3	99.9101	%			11:01:09
2	Al 308.215 Rt	36236.4	36216.2	37.1898	mg/L	37.1898	mg/L	11:01:20
2	B 249.677 Rt	51.9	44.7	0.031297	mg/L	0.031297	mg/L	11:01:20
2	Be 313.107 Rt	750.5	651.4	0.004974	mg/L	0.004974	mg/L	11:01:20
2	Ca 315.887 Rt	145095.7	145282.2	39.2655	mg/L	39.2655	mg/L	11:01:09
2	Fe 273.955 Rt	778707.8	779389.8	874.418	mg/L	874.418	mg/L	11:01:09
2	K 766.490 Rt	78000.4	77762.0	29.7342	mg/L	29.7342	mg/L	11:01:09
2	Li 670.784 Rt	2348.9	2246.3	0.024097	mg/L	0.024097	mg/L	11:01:20
2	Mg 279.077 Rt	8405.3	8410.0	16.0848	mg/L	16.0848	mg/L	11:01:20
2	Mn 260.568 Rt	103193.3	103265.5	7.45941	mg/L	7.45941	mg/L	11:01:09
2	Na 589.592 Rt	263154.2	263310.9	33.3889	mg/L	33.3889	mg/L	11:01:09
2	Si 251.611 Rt	15307.1	15275.6	11.0401	mg/L	11.0401	mg/L	11:01:20
2	SIO2 251.611 Rt	15307.1	15275.6	23.6259	mg/L	23.6259	mg/L	11:01:20
2	Sr 421.552 Rt	97813.9	97711.0	0.120659	mg/L	0.120659	mg/L	11:01:09
2	Lu 261.542 A	2324813.1	2324813.1	95.8923	%			11:02:19
2	Ag 328.068 At	-1701.0	-1421.5	0.025812	mg/L	0.025812	mg/L	11:02:30
2	As 188.979 At	145.0	159.8	0.169420	mg/L	0.169420	mg/L	11:02:51
2	Ba 233.527 At	18164.6	18996.5	0.436041	mg/L	0.436041	mg/L	11:02:30
2	Bi 222.821 At	545.6	534.7	-0.272159	mg/L	-0.272159	mg/L	11:02:30
2	Cd 226.502 At	7322.5	7693.1	-0.008262	mg/L	-0.008262	mg/L	11:02:30
2	Co 228.616 At	959.5	1087.5	0.056810	mg/L	0.056810	mg/L	11:02:51
2	Cr 267.716 At	210405.2	219255.2	5.56519	mg/L	5.56519	mg/L	11:02:30
2	Cu 324.752 At	197482.7	203382.5	1.13074	mg/L	1.13074	mg/L	11:02:30

2	Ga 417.206 At	16581.3	17366.9	0.005461 mg/L	0.005461 mg/L	11:02:30
2	La 379.478 At	43826.1	46168.5	0.234173 mg/L	0.234173 mg/L	11:02:19
2	Mo 202.031 At	724.7	725.6	0.095111 mg/L	0.095111 mg/L	11:02:30
2	Ni 232.003 At	-612.0	-552.6	0.638823 mg/L	0.638823 mg/L	11:02:30
2	P 213.617 At	12833.5	13449.7	8.13173 mg/L	8.13173 mg/L	11:02:30
2	Pb 220.353 At	14408.5	14983.4	3.78531 mg/L	3.78531 mg/L	11:02:30
2	Sb 206.836 At	172.4	190.1	0.031877 mg/L	0.031877 mg/L	11:02:51
2	Sc 361.383 At	7109.2	7407.2	0.006313 mg/L	0.006313 mg/L	11:02:30
2	Se 196.026 At	-77.3	-55.0	-0.015023 mg/L	-0.015023 mg/L	11:02:51
2	Sn 189.927 At	10713.3	11200.4	4.25361 mg/L	4.25361 mg/L	11:02:51
2	Ti 336.121 At	259967.8	271535.6	0.990289 mg/L	0.990289 mg/L	11:02:30
2	Tl 190.801 At	-48.6	-42.6	0.016669 mg/L	0.016669 mg/L	11:02:51
2	V 292.402 At	16235.9	17228.6	0.157440 mg/L	0.157440 mg/L	11:02:30
2	Zn 206.200 At	100527.8	104809.3	10.4872 mg/L	10.4872 mg/L	11:02:30

Mean Data: ME2QR4

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	173277.8	99.8453	%	0.09167				0.09%
Lu 261.542 A	2322522.8	95.7978	%	0.13360				0.14%
Ag 328.068 At	-1373.2	0.026137	mg/L	0.0004595	0.026137	mg/L	0.0004595	1.76%
Al 308.215 Rt	36161.5	37.1337	mg/L	0.07942	37.1337	mg/L	0.07942	0.21%
As 188.979 At	157.5	0.166861	mg/L	0.0036189	0.166861	mg/L	0.0036189	2.17%
B 249.677 Rt	39.8	0.028762	mg/L	0.0035851	0.028762	mg/L	0.0035851	12.46%
Ba 233.527 At	19007.5	0.436292	mg/L	0.0003549	0.436292	mg/L	0.0003549	0.08%
Be 313.107 Rt	656.9	0.005012	mg/L	0.0000539	0.005012	mg/L	0.0000539	1.08%
Bi 222.821 At	539.1	-0.267647	mg/L	0.0063809	-0.267647	mg/L	0.0063809	2.38%
Ca 315.887 Rt	145365.8	39.2881	mg/L	0.03197	39.2881	mg/L	0.03197	0.08%
Cd 226.502 At	7733.1	-0.006982	mg/L	0.0018112	-0.006982	mg/L	0.0018112	25.94%
Co 228.616 At	1093.3	0.057129	mg/L	0.0004509	0.057129	mg/L	0.0004509	0.79%
Cr 267.716 At	219122.0	5.56180	mg/L	0.004783	5.56180	mg/L	0.004783	0.09%
Cu 324.752 At	203681.3	1.13240	mg/L	0.002353	1.13240	mg/L	0.002353	0.21%
Fe 273.955 Rt	778971.5	873.949	mg/L	0.6637	873.949	mg/L	0.6637	0.08%
Ga 417.206 At	17432.6	0.006361	mg/L	0.0012731	0.006361	mg/L	0.0012731	20.01%
K 766.490 Rt	77783.0	29.7422	mg/L	0.01132	29.7422	mg/L	0.01132	0.04%
La 379.478 At	46393.5	0.235314	mg/L	0.0016139	0.235314	mg/L	0.0016139	0.69%
Li 670.784 Rt	2262.7	0.024273	mg/L	0.0002495	0.024273	mg/L	0.0002495	1.03%
Mg 279.077 Rt	8394.7	16.0556	mg/L	0.04137	16.0556	mg/L	0.04137	0.26%
Mn 260.568 Rt	103234.4	7.45717	mg/L	0.003157	7.45717	mg/L	0.003157	0.04%
Mo 202.031 At	730.7	0.095731	mg/L	0.0008766	0.095731	mg/L	0.0008766	0.92%
Na 589.592 Rt	263318.0	33.3898	mg/L	0.00127	33.3898	mg/L	0.00127	0.00%
Ni 232.003 At	-517.3	0.641839	mg/L	0.0042653	0.641839	mg/L	0.0042653	0.66%
P 213.617 At	13460.9	8.13803	mg/L	0.008909	8.13803	mg/L	0.008909	0.11%
Pb 220.353 At	14967.1	3.78115	mg/L	0.005889	3.78115	mg/L	0.005889	0.16%
Sb 206.836 At	187.0	0.030134	mg/L	0.0024638	0.030134	mg/L	0.0024638	8.18%
Sc 361.383 At	7394.1	0.006302	mg/L	0.0000158	0.006302	mg/L	0.0000158	0.25%
Se 196.026 At	-55.8	-0.016971	mg/L	0.0027543	-0.016971	mg/L	0.0027543	16.23%
Si 251.611 Rt	15267.8	11.0345	mg/L	0.00795	11.0345	mg/L	0.00795	0.07%
SIO2 251.611 Rt	15267.8	23.6139	mg/L	0.01701	23.6139	mg/L	0.01701	0.07%
Sn 189.927 At	11186.3	4.24825	mg/L	0.007588	4.24825	mg/L	0.007588	0.18%
Sr 421.552 Rt	97733.0	0.120687	mg/L	0.0000385	0.120687	mg/L	0.0000385	0.03%
Ti 336.121 At	271371.9	0.989691	mg/L	0.0008444	0.989691	mg/L	0.0008444	0.09%
Tl 190.801 At	-41.5	0.018047	mg/L	0.0019480	0.018047	mg/L	0.0019480	10.79%
V 292.402 At	17194.1	0.157059	mg/L	0.0005378	0.157059	mg/L	0.0005378	0.34%
Zn 206.200 At	104704.7	10.4767	mg/L	0.01480	10.4767	mg/L	0.01480	0.14%

Sequence No.: 24
Sample ID: ME2QR5
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/20/2009 11:04:44 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	174341.4	174341.4	100.458	%			11:06:37
1	Al 308.215 Rt	74089.0	73698.4	75.6864	mg/L	75.6864	mg/L	11:06:37
1	B 249.677 Rt	143.8	135.9	0.070925	mg/L	0.070925	mg/L	11:06:57
1	Be 313.107 Rt	703.9	600.9	0.004088	mg/L	0.004088	mg/L	11:06:57
1	Ca 315.887 Rt	903336.1	899272.5	243.047	mg/L	243.047	mg/L	11:06:37
1	Fe 273.955 Rt	121688.8	121115.2	135.865	mg/L	135.865	mg/L	11:06:37
1	K 766.490 Rt	32078.1	31623.3	12.0919	mg/L	12.0919	mg/L	11:06:37
1	Li 670.784 Rt	10875.8	10721.5	0.115013	mg/L	0.115013	mg/L	11:06:37
1	Mg 279.077 Rt	67291.3	66981.5	128.108	mg/L	128.108	mg/L	11:06:37
1	Mn 260.568 Rt	57328.2	57046.1	4.13877	mg/L	4.13877	mg/L	11:06:37
1	Na 589.592 Rt	6964.3	6852.4	0.868912	mg/L	0.868912	mg/L	11:06:57
1	Si 251.611 Rt	20288.9	20151.0	14.5631	mg/L	14.5631	mg/L	11:06:57
1	SIO2 251.611 Rt	20288.9	20151.0	31.1650	mg/L	31.1650	mg/L	11:06:57
1	Sr 421.552 Rt	246185.1	244871.4	0.302382	mg/L	0.302382	mg/L	11:06:37
1	Lu 261.542 A	2255936.9	2255936.9	93.0513	%			11:07:43
1	Ag 328.068 At	-928.6	-645.6	0.000462	mg/L	0.000462	mg/L	11:07:54
1	As 188.979 At	19.7	29.7	0.035533	mg/L	0.035533	mg/L	11:08:14
1	Ba 233.527 At	29203.8	31438.5	0.721630	mg/L	0.721630	mg/L	11:07:54
1	Bi 222.821 At	93.3	66.0	-0.036502	mg/L	-0.036502	mg/L	11:08:14
1	Cd 226.502 At	929.8	1056.1	-0.005031	mg/L	-0.005031	mg/L	11:08:14
1	Co 228.616 At	951.0	1108.9	0.056816	mg/L	0.056816	mg/L	11:08:14
1	Cr 267.716 At	7309.6	7692.4	0.194187	mg/L	0.194187	mg/L	11:07:54
1	Cu 324.752 At	78865.2	82194.9	0.457484	mg/L	0.457484	mg/L	11:07:54
1	Ga 417.206 At	4406.2	4810.5	0.021021	mg/L	0.021021	mg/L	11:07:54
1	La 379.478 At	27961.5	30514.5	0.154774	mg/L	0.154774	mg/L	11:07:54
1	Mo 202.031 At	221.1	207.5	0.015837	mg/L	0.015837	mg/L	11:08:14
1	Ni 232.003 At	617.3	749.1	0.206111	mg/L	0.206111	mg/L	11:07:54
1	P 213.617 At	3242.2	3550.8	2.11696	mg/L	2.11696	mg/L	11:08:14
1	Pb 220.353 At	947.2	975.6	0.244900	mg/L	0.244900	mg/L	11:08:14
1	Sb 206.836 At	8.3	19.3	0.004573	mg/L	0.004573	mg/L	11:08:14
1	Sc 361.383 At	21022.7	22586.1	0.019251	mg/L	0.019251	mg/L	11:07:54
1	Se 196.026 At	-18.2	6.1	0.012733	mg/L	0.012733	mg/L	11:08:14
1	Sn 189.927 At	64.7	97.7	0.037096	mg/L	0.037096	mg/L	11:08:14
1	Ti 336.121 At	377891.5	406542.5	1.47889	mg/L	1.47889	mg/L	11:07:43
1	Tl 190.801 At	-17.3	-10.5	0.005938	mg/L	0.005938	mg/L	11:08:14
1	V 292.402 At	13409.8	14708.3	0.165605	mg/L	0.165605	mg/L	11:07:54
1	Zn 206.200 At	7372.5	7898.3	0.789723	mg/L	0.789723	mg/L	11:07:54
2	Lu 261.542 R	174261.6	174261.6	100.412	%			11:07:09
2	Al 308.215 Rt	73952.2	73595.8	75.5811	mg/L	75.5811	mg/L	11:07:09
2	B 249.677 Rt	141.4	133.5	0.069683	mg/L	0.069683	mg/L	11:07:29
2	Be 313.107 Rt	706.8	604.1	0.004111	mg/L	0.004111	mg/L	11:07:29
2	Ca 315.887 Rt	902242.6	898595.2	242.864	mg/L	242.864	mg/L	11:07:09
2	Fe 273.955 Rt	121323.7	120807.1	135.519	mg/L	135.519	mg/L	11:07:09
2	K 766.490 Rt	31988.9	31549.1	12.0635	mg/L	12.0635	mg/L	11:07:09
2	Li 670.784 Rt	10832.9	10683.8	0.114608	mg/L	0.114608	mg/L	11:07:09
2	Mg 279.077 Rt	67066.9	66788.7	127.739	mg/L	127.739	mg/L	11:07:09
2	Mn 260.568 Rt	57153.3	56898.0	4.12803	mg/L	4.12803	mg/L	11:07:09
2	Na 589.592 Rt	6867.3	6758.9	0.857063	mg/L	0.857063	mg/L	11:07:29
2	Si 251.611 Rt	20143.8	20015.8	14.4653	mg/L	14.4653	mg/L	11:07:29
2	SIO2 251.611 Rt	20143.8	20015.8	30.9557	mg/L	30.9557	mg/L	11:07:29
2	Sr 421.552 Rt	245564.1	244365.2	0.301757	mg/L	0.301757	mg/L	11:07:09
2	Lu 261.542 A	2252510.7	2252510.7	92.9100	%			11:08:26
2	Ag 328.068 At	-980.7	-703.1	0.000033	mg/L	0.000033	mg/L	11:08:36
2	As 188.979 At	24.2	34.6	0.041031	mg/L	0.041031	mg/L	11:08:56
2	Ba 233.527 At	29084.8	31358.1	0.719785	mg/L	0.719785	mg/L	11:08:36
2	Bi 222.821 At	92.4	65.2	-0.037076	mg/L	-0.037076	mg/L	11:08:56
2	Cd 226.502 At	921.6	1048.8	-0.005154	mg/L	-0.005154	mg/L	11:08:56
2	Co 228.616 At	955.4	1115.2	0.057168	mg/L	0.057168	mg/L	11:08:56
2	Cr 267.716 At	7302.7	7696.9	0.194306	mg/L	0.194306	mg/L	11:08:36
2	Cu 324.752 At	78220.9	81630.2	0.454342	mg/L	0.454342	mg/L	11:08:36

Method: ILMO5 OPT5 Page 61 Date: 5/20/2009 11:14:47 AM

2	Ga 417.206 At	12428.2	13341.7	0.033132 mg/L	0.033132 mg/L	11:14:25
2	La 379.478 At	39551.8	42684.2	0.216500 mg/L	0.216500 mg/L	11:14:14
2	Mo 202.031 At	605.5	616.1	0.073803 mg/L	0.073803 mg/L	11:14:25
2	Ni 232.003 At	5095.6	5524.9	0.951104 mg/L	0.951104 mg/L	11:14:25
2	P 213.617 At	15780.1	16910.8	10.0056 mg/L	10.0056 mg/L	11:14:25
2	Pb 220.353 At	12986.8	13820.3	3.51150 mg/L	3.51150 mg/L	11:14:45
2	Sb 206.836 At	111.3	129.2	0.027862 mg/L	0.027862 mg/L	11:14:45
2	Sc 361.383 At	13686.1	14602.6	0.012446 mg/L	0.012446 mg/L	11:14:25
2	Se 196.026 At	-44.3	-21.6	0.008038 mg/L	0.008038 mg/L	11:14:45
2	Sn 189.927 At	4922.2	5282.3	2.00607 mg/L	2.00607 mg/L	11:14:45
2	Ti 336.121 At	463280.2	494955.6	1.80344 mg/L	1.80344 mg/L	11:14:14
2	Tl 190.801 At	-34.6	-28.9	0.013248 mg/L	0.013248 mg/L	11:14:45
2	V 292.402 At	20860.5	22564.4	0.239190 mg/L	0.239190 mg/L	11:14:25
2	Zn 206.200 At	126547.0	135056.7	13.5151 mg/L	13.5151 mg/L	11:14:25

Mean Data: ME2QR6

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	174613.9	100.615	%	0.3946				0.39%
Lu 261.542 A	2275032.6	93.8390	%	0.22193				0.24%
Ag 328.068 At	704.7	0.025854	mg/L	0.0000705	0.025854	mg/L	0.0000705	0.27%
Al 308.215 Rt	78244.0	80.3523	mg/L	0.24464	80.3523	mg/L	0.24464	0.30%
As 188.979 At	106.6	0.116257	mg/L	0.0021889	0.116257	mg/L	0.0021889	1.88%
B 249.677 Rt	188.8	0.103037	mg/L	0.0026775	0.103037	mg/L	0.0026775	2.60%
Ba 233.527 At	64968.3	1.49126	mg/L	0.004618	1.49126	mg/L	0.004618	0.31%
Be 313.107 Rt	864.5	0.006189	mg/L	0.0000519	0.006189	mg/L	0.0000519	0.84%
Bi 222.821 At	354.8	-0.118727	mg/L	0.0008775	-0.118727	mg/L	0.0008775	0.74%
Ca 315.887 Rt	601036.4	162.442	mg/L	0.5997	162.442	mg/L	0.5997	0.37%
Cd 226.502 At	4821.9	0.001027	mg/L	0.0003397	0.001027	mg/L	0.0003397	33.09%
Co 228.616 At	1058.5	0.053321	mg/L	0.0001211	0.053321	mg/L	0.0001211	0.23%
Cr 267.716 At	131397.1	3.33450	mg/L	0.010174	3.33450	mg/L	0.010174	0.31%
Cu 324.752 At	364779.1	2.02945	mg/L	0.009388	2.02945	mg/L	0.009388	0.46%
Fe 273.955 Rt	469619.6	526.871	mg/L	0.0804	526.871	mg/L	0.0804	0.02%
Ga 417.206 At	13393.5	0.033774	mg/L	0.0009085	0.033774	mg/L	0.0009085	2.69%
K 766.490 Rt	22932.6	8.76884	mg/L	0.067632	8.76884	mg/L	0.067632	0.77%
La 379.478 At	42735.9	0.216763	mg/L	0.0003713	0.216763	mg/L	0.0003713	0.17%
Li 670.784 Rt	7900.4	0.084750	mg/L	0.0005696	0.084750	mg/L	0.0005696	0.67%
Mg 279.077 Rt	37059.3	70.8791	mg/L	0.06246	70.8791	mg/L	0.06246	0.09%
Mn 260.568 Rt	98944.7	7.16510	mg/L	0.000943	7.16510	mg/L	0.000943	0.01%
Mo 202.031 At	601.7	0.072068	mg/L	0.0024544	0.072068	mg/L	0.0024544	3.41%
Na 589.592 Rt	16930.1	2.14681	mg/L	0.014336	2.14681	mg/L	0.014336	0.67%
Ni 232.003 At	5533.0	0.952052	mg/L	0.0013417	0.952052	mg/L	0.0013417	0.14%
P 213.617 At	16908.1	10.0041	mg/L	0.00219	10.0041	mg/L	0.00219	0.02%
Pb 220.353 At	13807.6	3.50824	mg/L	0.004616	3.50824	mg/L	0.004616	0.13%
Sb 206.836 At	131.4	0.029195	mg/L	0.0018843	0.029195	mg/L	0.0018843	6.45%
Sc 361.383 At	14614.7	0.012457	mg/L	0.0000146	0.012457	mg/L	0.0000146	0.12%
Se 196.026 At	-23.6	0.003798	mg/L	0.0059967	0.003798	mg/L	0.0059967	157.89%
Si 251.611 Rt	17173.4	12.4039	mg/L	0.04263	12.4039	mg/L	0.04263	0.34%
SIO2 251.611 Rt	17173.4	26.5444	mg/L	0.09122	26.5444	mg/L	0.09122	0.34%
Sn 189.927 At	5275.3	2.00341	mg/L	0.003760	2.00341	mg/L	0.003760	0.19%
Sr 421.552 Rt	349088.8	0.431076	mg/L	0.0000031	0.431076	mg/L	0.0000031	0.00%
Ti 336.121 At	494466.8	1.80165	mg/L	0.002527	1.80165	mg/L	0.002527	0.14%
Tl 190.801 At	-29.3	0.012782	mg/L	0.0006592	0.012782	mg/L	0.0006592	5.16%
V 292.402 At	22553.7	0.239041	mg/L	0.0002101	0.239041	mg/L	0.0002101	0.09%
Zn 206.200 At	134495.5	13.4590	mg/L	0.07941	13.4590	mg/L	0.07941	0.59%

Method: ILMO5 OPT5 Page 62 Date: 5/20/2009 11:20:54 AM

Sequence No.: 26
Sample ID: ME2QR7
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/20/2009 11:16:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR7

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	169763.5	169763.5	97.8203	%			11:18:30
1	Al 308.215 Rt	82801.9	84594.2	86.8734	mg/L	86.8734	mg/L	11:18:30
1	B 249.677 Rt	325.7	325.7	0.170424	mg/L	0.170424	mg/L	11:18:50
1	Be 313.107 Rt	1247.3	1175.4	0.008093	mg/L	0.008093	mg/L	11:18:50
1	Ca 315.887 Rt	1324597.9	1354169.6	365.992	mg/L	365.992	mg/L	11:18:30
1	Fe 273.955 Rt	171265.2	175062.9	196.387	mg/L	196.387	mg/L	11:18:30
1	K 766.490 Rt	27208.6	27506.4	10.5177	mg/L	10.5177	mg/L	11:18:30
1	Li 670.784 Rt	10107.0	10227.5	0.109714	mg/L	0.109714	mg/L	11:18:50
1	Mg 279.077 Rt	75407.0	77084.4	147.431	mg/L	147.431	mg/L	11:18:30
1	Mn 260.568 Rt	142822.8	145984.6	10.6067	mg/L	10.6067	mg/L	11:18:30
1	Na 589.592 Rt	17289.2	17594.3	2.23103	mg/L	2.23103	mg/L	11:18:30
1	Si 251.611 Rt	22769.5	23231.6	16.7851	mg/L	16.7851	mg/L	11:18:50
1	SIO2 251.611 Rt	22769.5	23231.6	35.9200	mg/L	35.9200	mg/L	11:18:50
1	Sr 421.552 Rt	432530.9	441977.9	0.545781	mg/L	0.545781	mg/L	11:18:30
1	Lu 261.542 A	2417442.2	2417442.2	99.7130	%			11:19:39
1	Ag 328.068 At	-833.1	-483.1	0.003094	mg/L	0.003094	mg/L	11:19:50
1	As 188.979 At	34.6	43.3	0.051473	mg/L	0.051473	mg/L	11:20:10
1	Ba 233.527 At	47423.5	47613.8	1.09291	mg/L	1.09291	mg/L	11:19:50
1	Bi 222.821 At	126.5	92.6	-0.061763	mg/L	-0.061763	mg/L	11:20:10
1	Cd 226.502 At	1905.8	1968.2	0.005165	mg/L	0.005165	mg/L	11:20:10
1	Co 228.616 At	831.2	920.5	0.045190	mg/L	0.045190	mg/L	11:20:10
1	Cr 267.716 At	25604.1	25514.8	0.646038	mg/L	0.646038	mg/L	11:19:50
1	Cu 324.752 At	182567.5	180533.3	1.00411	mg/L	1.00411	mg/L	11:19:50
1	Ga 417.206 At	5802.3	5894.3	0.017937	mg/L	0.017937	mg/L	11:19:50
1	La 379.478 At	31928.4	32485.4	0.164770	mg/L	0.164770	mg/L	11:19:50
1	Mo 202.031 At	283.6	254.2	0.019560	mg/L	0.019560	mg/L	11:20:10
1	Ni 232.003 At	734.4	822.2	0.271282	mg/L	0.271282	mg/L	11:19:50
1	P 213.617 At	5112.4	5193.5	3.08996	mg/L	3.08996	mg/L	11:20:10
1	Pb 220.353 At	2938.6	2904.8	0.734553	mg/L	0.734553	mg/L	11:20:10
1	Sb 206.836 At	28.7	39.2	0.009832	mg/L	0.009832	mg/L	11:20:10
1	Sc 361.383 At	21515.2	21570.6	0.018386	mg/L	0.018386	mg/L	11:19:50
1	Se 196.026 At	-26.8	-1.2	-0.002446	mg/L	-0.002446	mg/L	11:20:10
1	Sn 189.927 At	520.4	550.1	0.208914	mg/L	0.208914	mg/L	11:20:10
1	Ti 336.121 At	565296.5	567355.3	2.06427	mg/L	2.06427	mg/L	11:19:39
1	Tl 190.801 At	-32.9	-24.9	0.010064	mg/L	0.010064	mg/L	11:20:10
1	V 292.402 At	27638.8	28015.4	0.320412	mg/L	0.320412	mg/L	11:19:50
1	Zn 206.200 At	39298.7	39387.1	3.94086	mg/L	3.94086	mg/L	11:19:50
2	Lu 261.542 R	170361.7	170361.7	98.1650	%			11:19:05
2	Al 308.215 Rt	83018.6	84517.6	86.7948	mg/L	86.7948	mg/L	11:19:05
2	B 249.677 Rt	320.8	319.6	0.167217	mg/L	0.167217	mg/L	11:19:25
2	Be 313.107 Rt	1220.5	1143.6	0.007871	mg/L	0.007871	mg/L	11:19:25
2	Ca 315.887 Rt	1329019.9	1353919.5	365.925	mg/L	365.925	mg/L	11:19:05
2	Fe 273.955 Rt	171603.4	174792.6	196.084	mg/L	196.084	mg/L	11:19:05
2	K 766.490 Rt	27187.3	27387.0	10.4721	mg/L	10.4721	mg/L	11:19:05
2	Li 670.784 Rt	9968.7	10050.3	0.107813	mg/L	0.107813	mg/L	11:19:25
2	Mg 279.077 Rt	75536.5	76945.7	147.165	mg/L	147.165	mg/L	11:19:05
2	Mn 260.568 Rt	143132.7	145787.6	10.5924	mg/L	10.5924	mg/L	11:19:05
2	Na 589.592 Rt	17348.8	17593.0	2.23086	mg/L	2.23086	mg/L	11:19:05
2	Si 251.611 Rt	22658.4	23036.7	16.6440	mg/L	16.6440	mg/L	11:19:25
2	SIO2 251.611 Rt	22658.4	23036.7	35.6182	mg/L	35.6182	mg/L	11:19:25
2	Sr 421.552 Rt	433946.3	441867.2	0.545644	mg/L	0.545644	mg/L	11:19:05
2	Lu 261.542 A	2407093.7	2407093.7	99.2861	%			11:20:22
2	Ag 328.068 At	-840.9	-494.5	0.003007	mg/L	0.003007	mg/L	11:20:33
2	As 188.979 At	32.7	41.5	0.049430	mg/L	0.049430	mg/L	11:20:53
2	Ba 233.527 At	47319.1	47713.2	1.09520	mg/L	1.09520	mg/L	11:20:33
2	Bi 222.821 At	126.0	92.6	-0.061578	mg/L	-0.061578	mg/L	11:20:53
2	Cd 226.502 At	1879.7	1950.1	0.004716	mg/L	0.004716	mg/L	11:20:53
2	Co 228.616 At	821.0	913.8	0.044823	mg/L	0.044823	mg/L	11:20:53
2	Cr 267.716 At	25554.4	25575.1	0.647572	mg/L	0.647572	mg/L	11:20:33
2	Cu 324.752 At	182479.7	181232.0	1.00800	mg/L	1.00800	mg/L	11:20:33

2	Ga 417.206 At	5773.2	5890.1	0.017946 mg/L	0.017946 mg/L	11:20:33
2	La 379.478 At	32023.3	32718.6	0.165953 mg/L	0.165953 mg/L	11:20:33
2	Mo 202.031 At	280.9	252.8	0.019457 mg/L	0.019457 mg/L	11:20:53
2	Ni 232.003 At	725.8	816.7	0.270388 mg/L	0.270388 mg/L	11:20:33
2	P 213.617 At	5094.9	5198.0	3.09238 mg/L	3.09238 mg/L	11:20:53
2	Pb 220.353 At	2938.2	2917.0	0.737712 mg/L	0.737712 mg/L	11:20:53
2	Sb 206.836 At	34.4	45.1	0.013155 mg/L	0.013155 mg/L	11:20:53
2	Sc 361.383 At	21484.1	21632.0	0.018438 mg/L	0.018438 mg/L	11:20:33
2	Se 196.026 At	-35.1	-9.7	-0.020779 mg/L	-0.020779 mg/L	11:20:53
2	Sn 189.927 At	515.6	547.5	0.207908 mg/L	0.207908 mg/L	11:20:53
2	Ti 336.121 At	563515.7	567999.0	2.06663 mg/L	2.06663 mg/L	11:20:22
2	Tl 190.801 At	-34.1	-26.3	0.008253 mg/L	0.008253 mg/L	11:20:53
2	V 292.402 At	27586.1	28081.6	0.321219 mg/L	0.321219 mg/L	11:20:33
2	Zn 206.200 At	39155.9	39412.7	3.94344 mg/L	3.94344 mg/L	11:20:33

Mean Data: ME2QR7

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	170062.6	97.9926	%	0.24374				0.25%
Lu 261.542 A	2412267.9	99.4996	%	0.30183				0.30%
Ag 328.068 At	-488.8	0.003050	mg/L	0.0000614	0.003050	mg/L	0.0000614	2.01%
Al 308.215 Rt	84555.9	86.8341	mg/L	0.05559	86.8341	mg/L	0.05559	0.06%
As 188.979 At	42.4	0.050451	mg/L	0.0014443	0.050451	mg/L	0.0014443	2.86%
B 249.677 Rt	322.7	0.168820	mg/L	0.0022681	0.168820	mg/L	0.0022681	1.34%
Ba 233.527 At	47663.5	1.09405	mg/L	0.001612	1.09405	mg/L	0.001612	0.15%
Be 313.107 Rt	1159.5	0.007982	mg/L	0.0001574	0.007982	mg/L	0.0001574	1.97%
Bi 222.821 At	92.6	-0.061671	mg/L	0.0001302	-0.061671	mg/L	0.0001302	0.21%
Ca 315.887 Rt	1354044.6	365.958	mg/L	0.0478	365.958	mg/L	0.0478	0.01%
Cd 226.502 At	1959.2	0.004941	mg/L	0.0003173	0.004941	mg/L	0.0003173	6.42%
Co 228.616 At	917.2	0.045007	mg/L	0.0002594	0.045007	mg/L	0.0002594	0.58%
Cr 267.716 At	25544.9	0.646805	mg/L	0.0010846	0.646805	mg/L	0.0010846	0.17%
Cu 324.752 At	180882.7	1.00605	mg/L	0.002752	1.00605	mg/L	0.002752	0.27%
Fe 273.955 Rt	174927.8	196.236	mg/L	0.2143	196.236	mg/L	0.2143	0.11%
Ga 417.206 At	5892.2	0.017941	mg/L	0.0000061	0.017941	mg/L	0.0000061	0.03%
K 766.490 Rt	27446.7	10.4949	mg/L	0.03229	10.4949	mg/L	0.03229	0.31%
La 379.478 At	32602.0	0.165362	mg/L	0.0008364	0.165362	mg/L	0.0008364	0.51%
Li 670.784 Rt	10138.9	0.108763	mg/L	0.0013437	0.108763	mg/L	0.0013437	1.24%
Mg 279.077 Rt	77015.0	147.298	mg/L	0.1876	147.298	mg/L	0.1876	0.13%
Mn 260.568 Rt	145886.1	10.5995	mg/L	0.01011	10.5995	mg/L	0.01011	0.10%
Mo 202.031 At	253.5	0.019509	mg/L	0.0000729	0.019509	mg/L	0.0000729	0.37%
Na 589.592 Rt	17593.6	2.23095	mg/L	0.000120	2.23095	mg/L	0.000120	0.01%
Ni 232.003 At	819.5	0.270835	mg/L	0.0006324	0.270835	mg/L	0.0006324	0.23%
P 213.617 At	5195.8	3.09117	mg/L	0.001711	3.09117	mg/L	0.001711	0.06%
Pb 220.353 At	2910.9	0.736132	mg/L	0.0022333	0.736132	mg/L	0.0022333	0.30%
Sb 206.836 At	42.1	0.011494	mg/L	0.0023497	0.011494	mg/L	0.0023497	20.44%
Sc 361.383 At	21601.3	0.018412	mg/L	0.0000370	0.018412	mg/L	0.0000370	0.20%
Se 196.026 At	-5.5	-0.011613	mg/L	0.0129629	-0.011613	mg/L	0.0129629	111.63%
Si 251.611 Rt	23134.2	16.7145	mg/L	0.09974	16.7145	mg/L	0.09974	0.60%
SIO2 251.611 Rt	23134.2	35.7691	mg/L	0.21344	35.7691	mg/L	0.21344	0.60%
Sn 189.927 At	548.8	0.208411	mg/L	0.0007113	0.208411	mg/L	0.0007113	0.34%
Sr 421.552 Rt	441922.5	0.545712	mg/L	0.0000967	0.545712	mg/L	0.0000967	0.02%
Ti 336.121 At	567677.2	2.06545	mg/L	0.001665	2.06545	mg/L	0.001665	0.08%
Tl 190.801 At	-25.6	0.009159	mg/L	0.0012804	0.009159	mg/L	0.0012804	13.98%
V 292.402 At	28048.5	0.320816	mg/L	0.0005706	0.320816	mg/L	0.0005706	0.18%
Zn 206.200 At	39399.9	3.94215	mg/L	0.001820	3.94215	mg/L	0.001820	0.05%

Sequence No.: 27
Sample ID: ME2QR8
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/20/2009 11:25:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	168533.6	168533.6	97.1116	%			11:29:06
1	Al 308.215 R†	79499.0	81810.7	84.0178	mg/L	84.0178	mg/L	11:29:06
1	B 249.677 R†	264.6	265.2	0.139489	mg/L	0.139489	mg/L	11:29:26
1	Be 313.107 R†	1292.6	1231.3	0.008551	mg/L	0.008551	mg/L	11:29:26
1	Ca 315.887 R†	1469770.5	1513542.0	409.066	mg/L	409.066	mg/L	11:29:06
1	Fe 273.955 R†	110741.7	114016.9	127.894	mg/L	127.894	mg/L	11:29:06
1	K 766.490 R†	22214.1	22566.2	8.62875	mg/L	8.62875	mg/L	11:29:06
1	Li 670.784 R†	7506.6	7625.1	0.081797	mg/L	0.081797	mg/L	11:29:26
1	Mg 279.077 R†	84885.8	87407.7	167.175	mg/L	167.175	mg/L	11:29:06
1	Mn 260.568 R†	103279.6	106330.7	7.72465	mg/L	7.72465	mg/L	11:29:06
1	Na 589.592 R†	23932.1	24563.8	3.11479	mg/L	3.11479	mg/L	11:29:06
1	Si 251.611 R†	27843.0	28625.8	20.6926	mg/L	20.6926	mg/L	11:29:26
1	SIO2 251.611 R†	27843.0	28625.8	44.2821	mg/L	44.2821	mg/L	11:29:26
1	Sr 421.552 R†	526512.2	541981.3	0.669271	mg/L	0.669271	mg/L	11:29:06
1	Lu 261.542 A	2394087.0	2394087.0	98.7497	%			11:30:16
1	Ag 328.068 A†	-275.6	73.3	0.004580	mg/L	0.004580	mg/L	11:30:26
1	As 188.979 A†	13.5	22.3	0.027036	mg/L	0.027036	mg/L	11:30:46
1	Ba 233.527 A†	34321.5	34809.9	0.799017	mg/L	0.799017	mg/L	11:30:26
1	Bi 222.821 A†	117.4	84.6	-0.029149	mg/L	-0.029149	mg/L	11:30:46
1	Cd 226.502 A†	1026.3	1096.2	-0.001811	mg/L	-0.001811	mg/L	11:30:46
1	Co 228.616 A†	503.3	596.6	0.028425	mg/L	0.028425	mg/L	11:30:46
1	Cr 267.716 A†	40137.9	40483.1	1.02608	mg/L	1.02608	mg/L	11:30:26
1	Cu 324.752 A†	207510.5	207578.2	1.15474	mg/L	1.15474	mg/L	11:30:16
1	Ga 417.206 A†	3905.7	4030.4	0.012566	mg/L	0.012566	mg/L	11:30:26
1	La 379.478 A†	24297.8	25070.5	0.127161	mg/L	0.127161	mg/L	11:30:26
1	Mo 202.031 A†	282.4	255.8	0.015983	mg/L	0.015983	mg/L	11:30:46
1	Ni 232.003 A†	1330.1	1432.6	0.245435	mg/L	0.245435	mg/L	11:30:26
1	P 213.617 A†	2744.2	2845.4	1.68807	mg/L	1.68807	mg/L	11:30:26
1	Pb 220.353 A†	5905.5	5938.0	1.51859	mg/L	1.51859	mg/L	11:30:26
1	Sb 206.836 A†	37.8	48.7	0.014172	mg/L	0.014172	mg/L	11:30:46
1	Sc 361.383 A†	16077.6	16274.7	0.013872	mg/L	0.013872	mg/L	11:30:26
1	Se 196.026 A†	-27.1	-1.8	-0.013025	mg/L	-0.013025	mg/L	11:30:46
1	Sn 189.927 A†	1593.7	1642.0	0.623603	mg/L	0.623603	mg/L	11:30:46
1	Ti 336.121 A†	462125.8	468408.8	1.70238	mg/L	1.70238	mg/L	11:30:16
1	Tl 190.801 A†	-30.8	-23.1	0.000084	mg/L	0.000084	mg/L	11:30:46
1	V 292.402 A†	12839.8	13299.5	0.150841	mg/L	0.150841	mg/L	11:30:26
1	Zn 206.200 A†	19062.4	19279.1	1.92870	mg/L	1.92870	mg/L	11:30:26
2	Lu 261.542 R	169852.9	169852.9	97.8718	%			11:29:41
2	Al 308.215 R†	79953.2	81639.0	83.8415	mg/L	83.8415	mg/L	11:29:41
2	B 249.677 R†	268.7	267.3	0.140579	mg/L	0.140579	mg/L	11:30:02
2	Be 313.107 R†	1291.2	1219.5	0.008468	mg/L	0.008468	mg/L	11:30:02
2	Ca 315.887 R†	1478171.5	1510370.5	408.209	mg/L	408.209	mg/L	11:29:41
2	Fe 273.955 R†	111197.3	113596.7	127.423	mg/L	127.423	mg/L	11:29:41
2	K 766.490 R†	22343.0	22520.4	8.61120	mg/L	8.61120	mg/L	11:29:41
2	Li 670.784 R†	7449.1	7506.4	0.080524	mg/L	0.080524	mg/L	11:30:02
2	Mg 279.077 R†	85367.3	87220.7	166.817	mg/L	166.817	mg/L	11:29:41
2	Mn 260.568 R†	103738.7	105973.8	7.69872	mg/L	7.69872	mg/L	11:29:41
2	Na 589.592 R†	24237.2	24684.1	3.13005	mg/L	3.13005	mg/L	11:29:41
2	Si 251.611 R†	27844.9	28405.1	20.5328	mg/L	20.5328	mg/L	11:30:02
2	SIO2 251.611 R†	27844.9	28405.1	43.9403	mg/L	43.9403	mg/L	11:30:02
2	Sr 421.552 R†	529514.2	540837.6	0.667859	mg/L	0.667859	mg/L	11:29:41
2	Lu 261.542 A	2388692.3	2388692.3	98.5271	%			11:30:59
2	Ag 328.068 A†	-310.9	36.8	0.004307	mg/L	0.004307	mg/L	11:31:09
2	As 188.979 A†	13.9	22.7	0.027483	mg/L	0.027483	mg/L	11:31:29
2	Ba 233.527 A†	34186.3	34751.2	0.797669	mg/L	0.797669	mg/L	11:31:09
2	Bi 222.821 A†	112.2	79.5	-0.033454	mg/L	-0.033454	mg/L	11:31:29
2	Cd 226.502 A†	1037.3	1109.8	-0.001304	mg/L	-0.001304	mg/L	11:31:29
2	Co 228.616 A†	500.6	595.0	0.028339	mg/L	0.028339	mg/L	11:31:29
2	Cr 267.716 A†	40016.1	40451.2	1.02528	mg/L	1.02528	mg/L	11:31:09
2	Cu 324.752 A†	206621.5	207150.6	1.15236	mg/L	1.15236	mg/L	11:30:59

Method: ILMO5 OPT5 Page 65 Date: 5/20/2009 11:31:32 AM

2	Ga 417.206 At	3894.9	4028.5	0.012650 mg/L	0.012650 mg/L	11:31:09
2	La 379.478 At	24168.8	24995.1	0.126779 mg/L	0.126779 mg/L	11:31:09
2	Mo 202.031 At	282.8	256.8	0.016202 mg/L	0.016202 mg/L	11:31:29
2	Ni 232.003 At	1284.8	1389.7	0.240849 mg/L	0.240849 mg/L	11:31:09
2	P 213.617 At	2740.7	2848.1	1.68957 mg/L	1.68957 mg/L	11:31:09
2	Pb 220.353 At	5890.1	5935.9	1.51806 mg/L	1.51806 mg/L	11:31:09
2	Sb 206.836 At	34.7	45.6	0.012422 mg/L	0.012422 mg/L	11:31:29
2	Sc 361.383 At	16098.4	16332.5	0.013921 mg/L	0.013921 mg/L	11:31:09
2	Se 196.026 At	-23.6	1.7	-0.005469 mg/L	-0.005469 mg/L	11:31:29
2	Sn 189.927 At	1585.1	1637.0	0.621691 mg/L	0.621691 mg/L	11:31:29
2	Ti 336.121 At	461079.2	468403.5	1.70237 mg/L	1.70237 mg/L	11:30:59
2	Tl 190.801 At	-28.7	-21.0	0.002534 mg/L	0.002534 mg/L	11:31:29
2	V 292.402 At	12867.0	13356.4	0.151549 mg/L	0.151549 mg/L	11:31:09
2	Zn 206.200 At	18969.9	19228.8	1.92366 mg/L	1.92366 mg/L	11:31:09

Mean Data: ME2QR8

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	169193.2	97.4917	%	0.53752				0.55%
Lu 261.542 A	2391389.7	98.6384	%	0.15734				0.16%
Ag 328.068 At	55.1	0.004444	mg/L	0.0001931	0.004444	mg/L	0.0001931	4.35%
Al 308.215 Rt	81724.9	83.9296	mg/L	0.12470	83.9296	mg/L	0.12470	0.15%
As 188.979 At	22.5	0.027259	mg/L	0.0003160	0.027259	mg/L	0.0003160	1.16%
B 249.677 Rt	266.2	0.140034	mg/L	0.0007705	0.140034	mg/L	0.0007705	0.55%
Ba 233.527 At	34780.5	0.798343	mg/L	0.0009535	0.798343	mg/L	0.0009535	0.12%
Be 313.107 Rt	1225.4	0.008509	mg/L	0.0000584	0.008509	mg/L	0.0000584	0.69%
Bi 222.821 At	82.1	-0.031301	mg/L	0.0030442	-0.031301	mg/L	0.0030442	9.73%
Ca 315.887 Rt	1511956.2	408.637	mg/L	0.6061	408.637	mg/L	0.6061	0.15%
Cd 226.502 At	1103.0	-0.001558	mg/L	0.0003589	-0.001558	mg/L	0.0003589	23.04%
Co 228.616 At	595.8	0.028382	mg/L	0.0000602	0.028382	mg/L	0.0000602	0.21%
Cr 267.716 At	40467.1	1.02568	mg/L	0.000568	1.02568	mg/L	0.000568	0.06%
Cu 324.752 At	207364.4	1.15355	mg/L	0.001680	1.15355	mg/L	0.001680	0.15%
Fe 273.955 Rt	113806.8	127.658	mg/L	0.3333	127.658	mg/L	0.3333	0.26%
Ga 417.206 At	4029.5	0.012608	mg/L	0.0000595	0.012608	mg/L	0.0000595	0.47%
K 766.490 Rt	22543.3	8.61998	mg/L	0.012410	8.61998	mg/L	0.012410	0.14%
La 379.478 At	25032.8	0.126970	mg/L	0.0002704	0.126970	mg/L	0.0002704	0.21%
Li 670.784 Rt	7565.8	0.081160	mg/L	0.0009006	0.081160	mg/L	0.0009006	1.11%
Mg 279.077 Rt	87314.2	166.996	mg/L	0.2529	166.996	mg/L	0.2529	0.15%
Mn 260.568 Rt	106152.3	7.71168	mg/L	0.018338	7.71168	mg/L	0.018338	0.24%
Mo 202.031 At	256.3	0.016093	mg/L	0.0001545	0.016093	mg/L	0.0001545	0.96%
Na 589.592 Rt	24623.9	3.12242	mg/L	0.010793	3.12242	mg/L	0.010793	0.35%
Ni 232.003 At	1411.2	0.243142	mg/L	0.0032424	0.243142	mg/L	0.0032424	1.33%
P 213.617 At	2846.8	1.68882	mg/L	0.001058	1.68882	mg/L	0.001058	0.06%
Pb 220.353 At	5936.9	1.51832	mg/L	0.000375	1.51832	mg/L	0.000375	0.02%
Sb 206.836 At	47.2	0.013297	mg/L	0.0012372	0.013297	mg/L	0.0012372	9.30%
Sc 361.383 At	16303.6	0.013896	mg/L	0.0000349	0.013896	mg/L	0.0000349	0.25%
Se 196.026 At	-0.0	-0.009247	mg/L	0.0053430	-0.009247	mg/L	0.0053430	57.78%
Si 251.611 Rt	28515.4	20.6127	mg/L	0.11295	20.6127	mg/L	0.11295	0.55%
SIO2 251.611 Rt	28515.4	44.1112	mg/L	0.24171	44.1112	mg/L	0.24171	0.55%
Sn 189.927 At	1639.5	0.622647	mg/L	0.0013527	0.622647	mg/L	0.0013527	0.22%
Sr 421.552 Rt	541409.5	0.668565	mg/L	0.0009986	0.668565	mg/L	0.0009986	0.15%
Ti 336.121 At	468406.1	1.70237	mg/L	0.000003	1.70237	mg/L	0.000003	0.00%
Tl 190.801 At	-22.1	0.001309	mg/L	0.0017321	0.001309	mg/L	0.0017321	132.35%
V 292.402 At	13328.0	0.151195	mg/L	0.0005006	0.151195	mg/L	0.0005006	0.33%
Zn 206.200 At	19253.9	1.92618	mg/L	0.003560	1.92618	mg/L	0.003560	0.18%

Method: ILMO5 OPT5 Page 66 Date: 5/20/2009 11:37:52 AM

Sequence No.: 28
Sample ID: ME2QR8L
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 5/20/2009 11:33:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8L

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	183625.7	183625.7	105.808	%			11:35:07
1	Al 308.215 Rt	16063.8	15129.2	15.5373	mg/L	15.5373	mg/L	11:35:07
1	B 249.677 Rt	69.1	58.1	0.030521	mg/L	0.030521	mg/L	11:35:27
1	Be 313.107 Rt	338.0	219.7	0.001526	mg/L	0.001526	mg/L	11:35:27
1	Ca 315.887 Rt	312965.6	295842.5	79.9575	mg/L	79.9575	mg/L	11:35:07
1	Fe 273.955 Rt	24004.6	22668.3	25.4275	mg/L	25.4275	mg/L	11:35:07
1	K 766.490 Rt	4749.3	4180.1	1.59836	mg/L	1.59836	mg/L	11:35:07
1	Li 670.784 Rt	1577.9	1386.6	0.014874	mg/L	0.014874	mg/L	11:35:07
1	Mg 279.077 Rt	17408.7	16450.2	31.4625	mg/L	31.4625	mg/L	11:35:07
1	Mn 260.568 Rt	22091.2	20857.9	1.51530	mg/L	1.51530	mg/L	11:35:07
1	Na 589.592 Rt	4984.1	4630.3	0.587147	mg/L	0.587147	mg/L	11:35:07
1	Si 251.611 Rt	5908.2	5538.6	4.00378	mg/L	4.00378	mg/L	11:35:27
1	SIO2 251.611 Rt	5908.2	5538.6	8.56808	mg/L	8.56808	mg/L	11:35:27
1	Sr 421.552 Rt	108255.9	102122.7	0.126107	mg/L	0.126107	mg/L	11:35:07
1	Lu 261.542 A	2661835.5	2661835.5	109.794	%			11:36:25
1	Ag 328.068 At	-336.6	45.8	0.001132	mg/L	0.001132	mg/L	11:36:37
1	As 188.979 At	-3.5	5.4	0.006399	mg/L	0.006399	mg/L	11:36:58
1	Ba 233.527 At	7650.8	7022.1	0.161184	mg/L	0.161184	mg/L	11:36:37
1	Bi 222.821 At	56.4	17.1	-0.005785	mg/L	-0.005785	mg/L	11:36:58
1	Cd 226.502 At	155.3	198.4	-0.000932	mg/L	-0.000932	mg/L	11:36:58
1	Co 228.616 At	32.3	116.4	0.005576	mg/L	0.005576	mg/L	11:36:58
1	Cr 267.716 At	8898.3	7941.5	0.201297	mg/L	0.201297	mg/L	11:36:37
1	Cu 324.752 At	42733.6	36362.1	0.202260	mg/L	0.202260	mg/L	11:36:37
1	Ga 417.206 At	759.5	767.0	0.002164	mg/L	0.002164	mg/L	11:36:37
1	La 379.478 At	4474.7	4540.6	0.023030	mg/L	0.023030	mg/L	11:36:37
1	Mo 202.031 At	113.0	72.7	0.005909	mg/L	0.005909	mg/L	11:36:58
1	Ni 232.003 At	192.4	261.0	0.046534	mg/L	0.046534	mg/L	11:36:58
1	P 213.617 At	576.8	591.8	0.351411	mg/L	0.351411	mg/L	11:36:58
1	Pb 220.353 At	1328.6	1167.8	0.298611	mg/L	0.298611	mg/L	11:36:58
1	Sb 206.836 At	7.8	17.5	0.007352	mg/L	0.007352	mg/L	11:36:58
1	Sc 361.383 At	3298.6	2997.8	0.002555	mg/L	0.002555	mg/L	11:36:37
1	Se 196.026 At	-19.5	7.9	0.015398	mg/L	0.015398	mg/L	11:36:58
1	Sn 189.927 At	312.7	313.0	0.118865	mg/L	0.118865	mg/L	11:36:58
1	Ti 336.121 At	95778.3	87666.6	0.318580	mg/L	0.318580	mg/L	11:36:37
1	Tl 190.801 At	-15.7	-6.2	-0.002016	mg/L	-0.002016	mg/L	11:36:58
1	V 292.402 At	2375.3	2460.6	0.027832	mg/L	0.027832	mg/L	11:36:37
1	Zn 206.200 At	4402.5	3985.1	0.398675	mg/L	0.398675	mg/L	11:36:58
2	Lu 261.542 R	182509.0	182509.0	105.164	%			11:35:38
2	Al 308.215 Rt	15907.7	15073.7	15.4803	mg/L	15.4803	mg/L	11:35:38
2	B 249.677 Rt	67.1	56.6	0.029741	mg/L	0.029741	mg/L	11:36:02
2	Be 313.107 Rt	343.8	227.2	0.001579	mg/L	0.001579	mg/L	11:36:02
2	Ca 315.887 Rt	311357.6	296123.4	80.0334	mg/L	80.0334	mg/L	11:35:38
2	Fe 273.955 Rt	23810.8	22622.8	25.3765	mg/L	25.3765	mg/L	11:35:38
2	K 766.490 Rt	4727.2	4186.5	1.60081	mg/L	1.60081	mg/L	11:35:38
2	Li 670.784 Rt	1588.6	1405.9	0.015081	mg/L	0.015081	mg/L	11:35:38
2	Mg 279.077 Rt	17301.0	16448.5	31.4592	mg/L	31.4592	mg/L	11:35:38
2	Mn 260.568 Rt	21930.2	20832.6	1.51345	mg/L	1.51345	mg/L	11:35:38
2	Na 589.592 Rt	4956.5	4633.0	0.587482	mg/L	0.587482	mg/L	11:35:38
2	Si 251.611 Rt	5915.2	5579.5	4.03334	mg/L	4.03334	mg/L	11:36:02
2	SIO2 251.611 Rt	5915.2	5579.5	8.63134	mg/L	8.63134	mg/L	11:36:02
2	Sr 421.552 Rt	107071.9	101622.8	0.125490	mg/L	0.125490	mg/L	11:35:38
2	Lu 261.542 A	2661147.4	2661147.4	109.765	%			11:37:10
2	Ag 328.068 At	-356.0	28.1	0.001009	mg/L	0.001009	mg/L	11:37:22
2	As 188.979 At	-4.7	4.3	0.005132	mg/L	0.005132	mg/L	11:37:44
2	Ba 233.527 At	7565.4	6946.2	0.159441	mg/L	0.159441	mg/L	11:37:22
2	Bi 222.821 At	51.7	12.8	-0.009710	mg/L	-0.009710	mg/L	11:37:44
2	Cd 226.502 At	154.3	197.5	-0.000944	mg/L	-0.000944	mg/L	11:37:44
2	Co 228.616 At	39.4	122.8	0.005931	mg/L	0.005931	mg/L	11:37:44
2	Cr 267.716 At	8842.0	7892.3	0.200047	mg/L	0.200047	mg/L	11:37:22
2	Cu 324.752 At	42385.5	36055.0	0.200550	mg/L	0.200550	mg/L	11:37:22

Method: ILMO5 OPT5 Page 67 Date: 5/20/2009 11:40:34 AM

2	Ga 417.206 At	758.2	766.0	0.002173 mg/L	0.002173 mg/L	11:37:22
2	La 379.478 At	4431.4	4502.2	0.022836 mg/L	0.022836 mg/L	11:37:22
2	Mo 202.031 At	115.2	74.8	0.006139 mg/L	0.006139 mg/L	11:37:44
2	Ni 232.003 At	186.0	255.2	0.045964 mg/L	0.045964 mg/L	11:37:44
2	P 213.617 At	584.3	598.8	0.355480 mg/L	0.355480 mg/L	11:37:44
2	Pb 220.353 At	1335.6	1174.5	0.300335 mg/L	0.300335 mg/L	11:37:44
2	Sb 206.836 At	1.9	12.1	0.004253 mg/L	0.004253 mg/L	11:37:44
2	Sc 361.383 At	3261.4	2964.7	0.002527 mg/L	0.002527 mg/L	11:37:22
2	Se 196.026 At	-25.3	2.6	0.003966 mg/L	0.003966 mg/L	11:37:44
2	Sn 189.927 At	312.9	313.2	0.118961 mg/L	0.118961 mg/L	11:37:44
2	Ti 336.121 At	95089.8	87061.9	0.316372 mg/L	0.316372 mg/L	11:37:22
2	Tl 190.801 At	-12.5	-3.3	0.001568 mg/L	0.001568 mg/L	11:37:44
2	V 292.402 At	2363.1	2450.0	0.027710 mg/L	0.027710 mg/L	11:37:22
2	Zn 206.200 At	4408.4	3991.5	0.399318 mg/L	0.399318 mg/L	11:37:44

Mean Data: ME2QR8L

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	183067.4	105.486	%	0.4550				0.43%
Lu 261.542 A	2661491.5	109.779	%	0.0201				0.02%
Ag 328.068 At	37.0	0.001070	mg/L	0.0000872	0.001070	mg/L	0.0000872	8.15%
Al 308.215 Rt	15101.4	15.5088	mg/L	0.04030	15.5088	mg/L	0.04030	0.26%
As 188.979 At	4.8	0.005766	mg/L	0.0008957	0.005766	mg/L	0.0008957	15.54%
B 249.677 Rt	57.3	0.030131	mg/L	0.0005514	0.030131	mg/L	0.0005514	1.83%
Ba 233.527 At	6984.2	0.160313	mg/L	0.0012329	0.160313	mg/L	0.0012329	0.77%
Be 313.107 Rt	223.5	0.001552	mg/L	0.0000371	0.001552	mg/L	0.0000371	2.39%
Bi 222.821 At	14.9	-0.007748	mg/L	0.0027756	-0.007748	mg/L	0.0027756	35.82%
Ca 315.887 Rt	295983.0	79.9955	mg/L	0.05367	79.9955	mg/L	0.05367	0.07%
Cd 226.502 At	198.0	-0.000938	mg/L	0.0000088	-0.000938	mg/L	0.0000088	0.94%
Co 228.616 At	119.6	0.005753	mg/L	0.0002515	0.005753	mg/L	0.0002515	4.37%
Cr 267.716 At	7916.9	0.200672	mg/L	0.0008835	0.200672	mg/L	0.0008835	0.44%
Cu 324.752 At	36208.6	0.201405	mg/L	0.0012095	0.201405	mg/L	0.0012095	0.60%
Fe 273.955 Rt	22645.6	25.4020	mg/L	0.03609	25.4020	mg/L	0.03609	0.14%
Ga 417.206 At	766.5	0.002169	mg/L	0.0000058	0.002169	mg/L	0.0000058	0.27%
K 766.490 Rt	4183.3	1.59958	mg/L	0.001732	1.59958	mg/L	0.001732	0.11%
La 379.478 At	4521.4	0.022933	mg/L	0.0001377	0.022933	mg/L	0.0001377	0.60%
Li 670.784 Rt	1396.2	0.014978	mg/L	0.0001465	0.014978	mg/L	0.0001465	0.98%
Mg 279.077 Rt	16449.4	31.4609	mg/L	0.00236	31.4609	mg/L	0.00236	0.01%
Mn 260.568 Rt	20845.3	1.51437	mg/L	0.001303	1.51437	mg/L	0.001303	0.09%
Mo 202.031 At	73.7	0.006024	mg/L	0.0001625	0.006024	mg/L	0.0001625	2.70%
Na 589.592 Rt	4631.7	0.587315	mg/L	0.0002371	0.587315	mg/L	0.0002371	0.04%
Ni 232.003 At	258.1	0.046249	mg/L	0.0004034	0.046249	mg/L	0.0004034	0.87%
P 213.617 At	595.3	0.353445	mg/L	0.0028772	0.353445	mg/L	0.0028772	0.81%
Pb 220.353 At	1171.1	0.299473	mg/L	0.0012190	0.299473	mg/L	0.0012190	0.41%
Sb 206.836 At	14.8	0.005802	mg/L	0.0021907	0.005802	mg/L	0.0021907	37.76%
Sc 361.383 At	2981.3	0.002541	mg/L	0.0000200	0.002541	mg/L	0.0000200	0.79%
Se 196.026 At	5.2	0.009682	mg/L	0.0080835	0.009682	mg/L	0.0080835	83.49%
Si 251.611 Rt	5559.1	4.01856	mg/L	0.020901	4.01856	mg/L	0.020901	0.52%
SIO2 251.611 Rt	5559.1	8.59971	mg/L	0.044729	8.59971	mg/L	0.044729	0.52%
Sn 189.927 At	313.1	0.118913	mg/L	0.0000683	0.118913	mg/L	0.0000683	0.06%
Sr 421.552 Rt	101872.7	0.125799	mg/L	0.0004365	0.125799	mg/L	0.0004365	0.35%
Ti 336.121 At	87364.3	0.317476	mg/L	0.0015607	0.317476	mg/L	0.0015607	0.49%
Tl 190.801 At	-4.7	-0.000224	mg/L	0.0025341	-0.000224	mg/L	0.0025341	>999.9%
V 292.402 At	2455.3	0.027771	mg/L	0.0000859	0.027771	mg/L	0.0000859	0.31%
Zn 206.200 At	3988.3	0.398997	mg/L	0.0004549	0.398997	mg/L	0.0004549	0.11%

Method: ILMO5 OPT5 Page 68 Date: 5/20/2009 11:52:06 AM

Problem communicating with a device

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Analysis Begun

Start Time: 5/20/2009 11:47:44 AM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902
Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 29
Sample ID: ME2QR8D
Analyst: DT
Initial Sample Wt:
Dilution:
Autosampler Location: 57
Date Collected: 5/20/2009 11:47:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8D

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	170593.4	170593.4	98.2985	%			11:49:43
1	Al 308.215 Rt	110472.9	112332.4	115.365	mg/L	115.365	mg/L	11:49:43
1	B 249.677 Rt	313.2	311.4	0.163662	mg/L	0.163662	mg/L	11:50:03
1	Be 313.107 Rt	1450.5	1375.9	0.009551	mg/L	0.009551	mg/L	11:50:03
1	Ca 315.887 Rt	1504482.6	1530580.6	413.671	mg/L	413.671	mg/L	11:49:43
1	Fe 273.955 Rt	108726.1	110589.4	124.049	mg/L	124.049	mg/L	11:49:43
1	K 766.490 Rt	21668.3	21734.8	8.31083	mg/L	8.31083	mg/L	11:49:43
1	Li 670.784 Rt	7422.6	7446.4	0.079880	mg/L	0.079880	mg/L	11:50:03
1	Mg 279.077 Rt	81628.9	83039.0	158.819	mg/L	158.819	mg/L	11:49:43
1	Mn 260.568 Rt	128107.0	130303.8	9.46975	mg/L	9.46975	mg/L	11:49:43
1	Na 589.592 Rt	24174.5	24512.9	3.10833	mg/L	3.10833	mg/L	11:49:43
1	Si 251.611 Rt	30438.5	30920.0	22.3501	mg/L	22.3501	mg/L	11:50:03
1	SIO2 251.611 Rt	30438.5	30920.0	47.8293	mg/L	47.8293	mg/L	11:50:03
1	Sr 421.552 Rt	421951.0	429063.9	0.529834	mg/L	0.529834	mg/L	11:49:43
1	Lu 261.542 A	2378858.2	2378858.2	98.1215	%			11:50:52
1	Ag 328.068 At	125.0	479.7	0.006915	mg/L	0.006915	mg/L	11:51:03
1	As 188.979 At	20.0	29.0	0.035010	mg/L	0.035010	mg/L	11:51:23
1	Ba 233.527 At	40858.1	41694.1	0.957036	mg/L	0.957036	mg/L	11:51:03
1	Bi 222.821 At	123.7	91.8	-0.013256	mg/L	-0.013256	mg/L	11:51:03
1	Cd 226.502 At	1107.1	1185.2	0.001970	mg/L	0.001970	mg/L	11:51:23
1	Co 228.616 At	504.6	601.1	0.028203	mg/L	0.028203	mg/L	11:51:23
1	Cr 267.716 At	43059.7	43721.0	1.10817	mg/L	1.10817	mg/L	11:51:03
1	Cu 324.752 At	348530.0	352642.8	1.96191	mg/L	1.96191	mg/L	11:50:52
1	Ga 417.206 At	4229.0	4385.3	0.016927	mg/L	0.016927	mg/L	11:51:03
1	La 379.478 At	23620.5	24537.8	0.124459	mg/L	0.124459	mg/L	11:51:03
1	Mo 202.031 At	354.9	331.5	0.024087	mg/L	0.024087	mg/L	11:51:23
1	Ni 232.003 At	1434.2	1547.3	0.254068	mg/L	0.254068	mg/L	11:51:03
1	P 213.617 At	2640.5	2757.5	1.61414	mg/L	1.61414	mg/L	11:51:03
1	Pb 220.353 At	7421.8	7521.6	1.92569	mg/L	1.92569	mg/L	11:51:03
1	Sb 206.836 At	38.5	49.7	0.014061	mg/L	0.014061	mg/L	11:51:23
1	Sc 361.383 At	16851.5	17167.6	0.014633	mg/L	0.014633	mg/L	11:51:03
1	Se 196.026 At	-29.4	-4.3	-0.017488	mg/L	-0.017488	mg/L	11:51:23
1	Sn 189.927 At	1618.9	1678.1	0.637290	mg/L	0.637290	mg/L	11:51:23
1	Ti 336.121 At	512898.9	523149.9	1.90228	mg/L	1.90228	mg/L	11:50:52
1	Tl 190.801 At	-29.6	-22.1	0.006123	mg/L	0.006123	mg/L	11:51:23
1	V 292.402 At	13793.5	14354.7	0.163747	mg/L	0.163747	mg/L	11:51:03
1	Zn 206.200 At	20289.6	20653.4	2.06620	mg/L	2.06620	mg/L	11:51:03
2	Lu 261.542 R	170429.0	170429.0	98.2037	%			11:50:18
2	Al 308.215 Rt	110361.0	112326.8	115.359	mg/L	115.359	mg/L	11:50:18
2	B 249.677 Rt	312.6	311.0	0.163476	mg/L	0.163476	mg/L	11:50:38
2	Be 313.107 Rt	1459.4	1386.4	0.009624	mg/L	0.009624	mg/L	11:50:38
2	Ca 315.887 Rt	1502044.3	1529574.2	413.399	mg/L	413.399	mg/L	11:50:18
2	Fe 273.955 Rt	108631.7	110600.1	124.061	mg/L	124.061	mg/L	11:50:18
2	K 766.490 Rt	21517.8	21602.9	8.26038	mg/L	8.26038	mg/L	11:50:18
2	Li 670.784 Rt	7445.6	7477.1	0.080209	mg/L	0.080209	mg/L	11:50:38
2	Mg 279.077 Rt	81377.7	82863.3	158.483	mg/L	158.483	mg/L	11:50:18
2	Mn 260.568 Rt	127943.2	130262.8	9.46678	mg/L	9.46678	mg/L	11:50:18

Method: ILMO5 OPT5 Page 69 Date: 5/20/2009 11:52:08 AM

2	Na 589.592 Rt	24165.5	24527.4	3.11018 mg/L	3.11018 mg/L	11:50:18
2	Si 251.611 Rt	30732.5	31249.4	22.5884 mg/L	22.5884 mg/L	11:50:38
2	SIO2 251.611 Rt	30732.5	31249.4	48.3393 mg/L	48.3393 mg/L	11:50:38
2	Sr 421.552 Rt	420969.4	428478.4	0.529111 mg/L	0.529111 mg/L	11:50:18
2	Lu 261.542 A	2394829.0	2394829.0	98.7803 %		11:51:35
2	Ag 328.068 At	122.2	476.1	0.006906 mg/L	0.006906 mg/L	11:51:46
2	As 188.979 At	14.2	23.0	0.028218 mg/L	0.028218 mg/L	11:52:06
2	Ba 233.527 At	41126.9	41688.6	0.956908 mg/L	0.956908 mg/L	11:51:46
2	Bi 222.821 At	113.3	80.4	-0.023816 mg/L	-0.023816 mg/L	11:51:46
2	Cd 226.502 At	1116.1	1186.8	0.002021 mg/L	0.002021 mg/L	11:52:06
2	Co 228.616 At	500.1	593.2	0.027766 mg/L	0.027766 mg/L	11:52:06
2	Cr 267.716 At	43382.0	43754.6	1.10902 mg/L	1.10902 mg/L	11:51:46
2	Cu 324.752 At	351272.3	353050.1	1.96418 mg/L	1.96418 mg/L	11:51:35
2	Ga 417.206 At	4239.7	4367.3	0.016702 mg/L	0.016702 mg/L	11:51:46
2	La 379.478 At	23654.3	24411.4	0.123818 mg/L	0.123818 mg/L	11:51:46
2	Mo 202.031 At	351.5	325.7	0.023244 mg/L	0.023244 mg/L	11:52:06
2	Ni 232.003 At	1423.7	1527.0	0.252110 mg/L	0.252110 mg/L	11:51:46
2	P 213.617 At	2645.9	2745.0	1.60686 mg/L	1.60686 mg/L	11:51:46
2	Pb 220.353 At	7438.6	7488.2	1.91713 mg/L	1.91713 mg/L	11:51:46
2	Sb 206.836 At	32.0	42.8	0.010153 mg/L	0.010153 mg/L	11:52:06
2	Sc 361.383 At	16938.8	17141.4	0.014610 mg/L	0.014610 mg/L	11:51:46
2	Se 196.026 At	-27.1	-1.7	-0.011869 mg/L	-0.011869 mg/L	11:52:06
2	Sn 189.927 At	1616.6	1664.8	0.632232 mg/L	0.632232 mg/L	11:52:06
2	Ti 336.121 At	516781.6	523594.5	1.90391 mg/L	1.90391 mg/L	11:51:35
2	Tl 190.801 At	-30.7	-23.0	0.004941 mg/L	0.004941 mg/L	11:52:06
2	V 292.402 At	13890.2	14358.9	0.163791 mg/L	0.163791 mg/L	11:51:46
2	Zn 206.200 At	20509.3	20737.8	2.07465 mg/L	2.07465 mg/L	11:51:46

Mean Data: ME2QR8D

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	170511.2	98.2511	%	0.06699				0.07%
Lu 261.542 A	2386843.6	98.4509	%	0.46581				0.47%
Ag 328.068 At	477.9	0.006911	mg/L	0.0000066	0.006911	mg/L	0.0000066	0.10%
Al 308.215 Rt	112329.6	115.362	mg/L	0.0041	115.362	mg/L	0.0041	0.00%
As 188.979 At	26.0	0.031614	mg/L	0.0048020	0.031614	mg/L	0.0048020	15.19%
B 249.677 Rt	311.2	0.163569	mg/L	0.0001314	0.163569	mg/L	0.0001314	0.08%
Ba 233.527 At	41691.4	0.956972	mg/L	0.0000905	0.956972	mg/L	0.0000905	0.01%
Be 313.107 Rt	1381.1	0.009588	mg/L	0.0000517	0.009588	mg/L	0.0000517	0.54%
Bi 222.821 At	86.1	-0.018536	mg/L	0.0074676	-0.018536	mg/L	0.0074676	40.29%
Ca 315.887 Rt	1530077.4	413.535	mg/L	0.1923	413.535	mg/L	0.1923	0.05%
Cd 226.502 At	1186.0	0.001995	mg/L	0.0000366	0.001995	mg/L	0.0000366	1.83%
Co 228.616 At	597.2	0.027985	mg/L	0.0003088	0.027985	mg/L	0.0003088	1.10%
Cr 267.716 At	43737.8	1.10859	mg/L	0.000606	1.10859	mg/L	0.000606	0.05%
Cu 324.752 At	352846.5	1.96304	mg/L	0.001605	1.96304	mg/L	0.001605	0.08%
Fe 273.955 Rt	110594.8	124.055	mg/L	0.0084	124.055	mg/L	0.0084	0.01%
Ga 417.206 At	4376.3	0.016814	mg/L	0.0001591	0.016814	mg/L	0.0001591	0.95%
K 766.490 Rt	21668.8	8.28561	mg/L	0.035673	8.28561	mg/L	0.035673	0.43%
La 379.478 At	24474.6	0.124139	mg/L	0.0004533	0.124139	mg/L	0.0004533	0.37%
Li 670.784 Rt	7461.7	0.080044	mg/L	0.0002328	0.080044	mg/L	0.0002328	0.29%
Mg 279.077 Rt	82951.1	158.651	mg/L	0.2376	158.651	mg/L	0.2376	0.15%
Mn 260.568 Rt	130283.3	9.46826	mg/L	0.002101	9.46826	mg/L	0.002101	0.02%
Mo 202.031 At	328.6	0.023666	mg/L	0.0005965	0.023666	mg/L	0.0005965	2.52%
Na 589.592 Rt	24520.1	3.10925	mg/L	0.001304	3.10925	mg/L	0.001304	0.04%
Ni 232.003 At	1537.2	0.253089	mg/L	0.0013846	0.253089	mg/L	0.0013846	0.55%
P 213.617 At	2751.2	1.61050	mg/L	0.005146	1.61050	mg/L	0.005146	0.32%
Pb 220.353 At	7504.9	1.92141	mg/L	0.006050	1.92141	mg/L	0.006050	0.31%
Sb 206.836 At	46.2	0.012107	mg/L	0.0027628	0.012107	mg/L	0.0027628	22.82%
Sc 361.383 At	17154.5	0.014622	mg/L	0.0000158	0.014622	mg/L	0.0000158	0.11%
Se 196.026 At	-3.0	-0.014679	mg/L	0.0039734	-0.014679	mg/L	0.0039734	27.07%
Si 251.611 Rt	31084.7	22.4693	mg/L	0.16850	22.4693	mg/L	0.16850	0.75%
SIO2 251.611 Rt	31084.7	48.0843	mg/L	0.36058	48.0843	mg/L	0.36058	0.75%
Sn 189.927 At	1671.4	0.634761	mg/L	0.0035761	0.634761	mg/L	0.0035761	0.56%
Sr 421.552 Rt	428771.2	0.529472	mg/L	0.0005112	0.529472	mg/L	0.0005112	0.10%
Ti 336.121 At	523372.2	1.90310	mg/L	0.001154	1.90310	mg/L	0.001154	0.06%
Tl 190.801 At	-22.5	0.005532	mg/L	0.0008354	0.005532	mg/L	0.0008354	15.10%
V 292.402 At	14356.8	0.163769	mg/L	0.0000314	0.163769	mg/L	0.0000314	0.02%
Zn 206.200 At	20695.6	2.07042	mg/L	0.005977	2.07042	mg/L	0.005977	0.29%

Sequence No.: 30
Sample ID: ME2QR8S
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/20/2009 11:53:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	167636.5	167636.5	96.5947	%			11:55:47
1	Al 308.215 Rt	96369.7	99714.3	102.391	mg/L	102.391	mg/L	11:55:47
1	B 249.677 Rt	314.8	318.7	0.167332	mg/L	0.167332	mg/L	11:56:07
1	Be 313.107 Rt	15659.4	16111.7	0.112631	mg/L	0.112631	mg/L	11:55:47
1	Ca 315.887 Rt	1694597.2	1754394.2	474.161	mg/L	474.161	mg/L	11:55:47
1	Fe 273.955 Rt	135621.8	140384.4	157.463	mg/L	157.463	mg/L	11:55:47
1	K 766.490 Rt	19966.2	20361.6	7.78574	mg/L	7.78574	mg/L	11:55:47
1	Li 670.784 Rt	6852.0	6988.9	0.074972	mg/L	0.074972	mg/L	11:56:07
1	Mg 279.077 Rt	92383.7	95637.7	182.916	mg/L	182.916	mg/L	11:55:47
1	Mn 260.568 Rt	140588.1	145523.6	10.5740	mg/L	10.5740	mg/L	11:55:47
1	Na 589.592 Rt	26399.1	27249.7	3.45537	mg/L	3.45537	mg/L	11:55:47
1	Si 251.611 Rt	48485.1	50149.1	36.2615	mg/L	36.2615	mg/L	11:55:47
1	SIO2 251.611 Rt	48485.1	50149.1	77.5996	mg/L	77.5996	mg/L	11:55:47
1	Sr 421.552 Rt	465166.2	481374.2	0.594430	mg/L	0.594430	mg/L	11:55:47
1	Lu 261.542 A	2342928.0	2342928.0	96.6395	%			11:56:57
1	Ag 328.068 At	14239.8	15087.4	0.110305	mg/L	0.110305	mg/L	11:57:08
1	As 188.979 At	83.6	95.1	0.108172	mg/L	0.108172	mg/L	11:57:28
1	Ba 233.527 At	186760.2	193308.4	4.43715	mg/L	4.43715	mg/L	11:57:08
1	Bi 222.821 At	138.9	109.5	-0.046521	mg/L	-0.046521	mg/L	11:57:28
1	Cd 226.502 At	4294.1	4500.4	0.090095	mg/L	0.090095	mg/L	11:57:28
1	Co 228.616 At	16356.4	17012.0	0.920153	mg/L	0.920153	mg/L	11:57:08
1	Cr 267.716 At	81287.0	83950.6	2.12901	mg/L	2.12901	mg/L	11:57:08
1	Cu 324.752 At	384192.9	394993.0	2.19760	mg/L	2.19760	mg/L	11:56:57
1	Ga 417.206 At	4442.5	4672.3	0.011901	mg/L	0.011901	mg/L	11:57:08
1	La 379.478 At	26697.9	28091.3	0.142483	mg/L	0.142483	mg/L	11:57:08
1	Mo 202.031 At	376.3	359.2	0.019390	mg/L	0.019390	mg/L	11:57:28
1	Ni 232.003 At	11771.3	12266.3	1.28090	mg/L	1.28090	mg/L	11:57:08
1	P 213.617 At	2532.6	2687.1	1.58253	mg/L	1.58253	mg/L	11:57:28
1	Pb 220.353 At	6283.9	6460.2	1.65152	mg/L	1.65152	mg/L	11:57:28
1	Sb 206.836 At	215.0	232.9	0.110338	mg/L	0.110338	mg/L	11:57:28
1	Sc 361.383 At	16227.4	16785.2	0.014307	mg/L	0.014307	mg/L	11:57:08
1	Se 196.026 At	18.0	44.3	0.086825	mg/L	0.086825	mg/L	11:57:28
1	Sn 189.927 At	1865.3	1958.3	0.743725	mg/L	0.743725	mg/L	11:57:28
1	Ti 336.121 At	562334.4	582320.6	2.11719	mg/L	2.11719	mg/L	11:56:57
1	Tl 190.801 At	29.4	38.5	0.084377	mg/L	0.084377	mg/L	11:57:28
1	V 292.402 At	99832.5	103601.1	1.22487	mg/L	1.22487	mg/L	11:57:08
1	Zn 206.200 At	29189.9	30180.2	3.01954	mg/L	3.01954	mg/L	11:57:08
2	Lu 261.542 R	167667.6	167667.6	96.6126	%			11:56:23
2	Al 308.215 Rt	96782.7	100123.3	102.811	mg/L	102.811	mg/L	11:56:23
2	B 249.677 Rt	318.8	322.7	0.169432	mg/L	0.169432	mg/L	11:56:43
2	Be 313.107 Rt	15678.1	16128.0	0.112746	mg/L	0.112746	mg/L	11:56:23
2	Ca 315.887 Rt	1695562.4	1755068.1	474.343	mg/L	474.343	mg/L	11:56:23
2	Fe 273.955 Rt	135816.4	140559.8	157.659	mg/L	157.659	mg/L	11:56:23
2	K 766.490 Rt	19970.8	20362.5	7.78608	mg/L	7.78608	mg/L	11:56:23
2	Li 670.784 Rt	6896.6	7033.7	0.075453	mg/L	0.075453	mg/L	11:56:43
2	Mg 279.077 Rt	92489.5	95729.4	183.091	mg/L	183.091	mg/L	11:56:23
2	Mn 260.568 Rt	140799.0	145715.0	10.5879	mg/L	10.5879	mg/L	11:56:23
2	Na 589.592 Rt	26504.0	27353.1	3.46849	mg/L	3.46849	mg/L	11:56:23
2	Si 251.611 Rt	48619.1	50278.5	36.3551	mg/L	36.3551	mg/L	11:56:23
2	SIO2 251.611 Rt	48619.1	50278.5	77.7999	mg/L	77.7999	mg/L	11:56:23
2	Sr 421.552 Rt	465920.1	482065.2	0.595283	mg/L	0.595283	mg/L	11:56:23
2	Lu 261.542 A	2325155.8	2325155.8	95.9064	%			11:57:40
2	Ag 328.068 At	14288.2	15250.5	0.111434	mg/L	0.111434	mg/L	11:57:51
2	As 188.979 At	89.6	102.0	0.115994	mg/L	0.115994	mg/L	11:58:11
2	Ba 233.527 At	187613.0	195674.7	4.49146	mg/L	4.49146	mg/L	11:57:51
2	Bi 222.821 At	144.6	116.5	-0.040807	mg/L	-0.040807	mg/L	11:58:11
2	Cd 226.502 At	4306.0	4546.7	0.091393	mg/L	0.091393	mg/L	11:58:11
2	Co 228.616 At	16352.5	17137.3	0.926954	mg/L	0.926954	mg/L	11:57:51
2	Cr 267.716 At	81374.9	84685.2	2.14766	mg/L	2.14766	mg/L	11:57:51
2	Cu 324.752 At	379808.7	393460.4	2.18907	mg/L	2.18907	mg/L	11:57:40

2	Ga 417.206 At	4405.0	4668.3	0.011788 mg/L	0.011788 mg/L	11:57:51
2	La 379.478 At	26416.4	28008.9	0.142065 mg/L	0.142065 mg/L	11:57:51
2	Mo 202.031 At	379.6	365.6	0.020113 mg/L	0.020113 mg/L	11:58:11
2	Ni 232.003 At	11762.4	12350.1	1.28854 mg/L	1.28854 mg/L	11:57:51
2	P 213.617 At	2549.3	2724.6	1.60482 mg/L	1.60482 mg/L	11:58:11
2	Pb 220.353 At	6279.5	6505.2	1.66309 mg/L	1.66309 mg/L	11:58:11
2	Sb 206.836 At	208.3	227.6	0.107152 mg/L	0.107152 mg/L	11:58:11
2	Sc 361.383 At	16197.2	16882.0	0.014389 mg/L	0.014389 mg/L	11:57:51
2	Se 196.026 At	10.4	36.5	0.069958 mg/L	0.069958 mg/L	11:58:11
2	Sn 189.927 At	1856.3	1963.7	0.745758 mg/L	0.745758 mg/L	11:58:11
2	Ti 336.121 At	559452.3	583763.1	2.12245 mg/L	2.12245 mg/L	11:57:40
2	Tl 190.801 At	30.5	39.9	0.086144 mg/L	0.086144 mg/L	11:58:11
2	V 292.402 At	99727.4	104281.2	1.23298 mg/L	1.23298 mg/L	11:57:51
2	Zn 206.200 At	29524.9	30760.4	3.07760 mg/L	3.07760 mg/L	11:57:51

Mean Data: ME2QR8S

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	167652.0	96.6036	%	0.01266				0.01%
Lu 261.542 A	2334041.9	96.2730	%	0.51835				0.54%
Ag 328.068 At	15168.9	0.110870	mg/L	0.0007981	0.110870	mg/L	0.0007981	0.72%
Al 308.215 Rt	99918.8	102.601	mg/L	0.2970	102.601	mg/L	0.2970	0.29%
As 188.979 At	98.6	0.112083	mg/L	0.0055309	0.112083	mg/L	0.0055309	4.93%
B 249.677 Rt	320.7	0.168382	mg/L	0.0014846	0.168382	mg/L	0.0014846	0.88%
Ba 233.527 At	194491.6	4.46431	mg/L	0.038406	4.46431	mg/L	0.038406	0.86%
Be 313.107 Rt	16119.9	0.112688	mg/L	0.0000814	0.112688	mg/L	0.0000814	0.07%
Bi 222.821 At	113.0	-0.043664	mg/L	0.0040400	-0.043664	mg/L	0.0040400	9.25%
Ca 315.887 Rt	1754731.2	474.252	mg/L	0.1288	474.252	mg/L	0.1288	0.03%
Cd 226.502 At	4523.5	0.090744	mg/L	0.0009180	0.090744	mg/L	0.0009180	1.01%
Co 228.616 At	17074.7	0.923553	mg/L	0.0048093	0.923553	mg/L	0.0048093	0.52%
Cr 267.716 At	84317.9	2.13833	mg/L	0.013184	2.13833	mg/L	0.013184	0.62%
Cu 324.752 At	394226.7	2.19334	mg/L	0.006033	2.19334	mg/L	0.006033	0.28%
Fe 273.955 Rt	140472.1	157.561	mg/L	0.1391	157.561	mg/L	0.1391	0.09%
Ga 417.206 At	4670.3	0.011844	mg/L	0.0000803	0.011844	mg/L	0.0000803	0.68%
K 766.490 Rt	20362.0	7.78591	mg/L	0.000234	7.78591	mg/L	0.000234	0.00%
La 379.478 At	28050.1	0.142274	mg/L	0.0002953	0.142274	mg/L	0.0002953	0.21%
Li 670.784 Rt	7011.3	0.075212	mg/L	0.0003402	0.075212	mg/L	0.0003402	0.45%
Mg 279.077 Rt	95683.5	183.003	mg/L	0.1241	183.003	mg/L	0.1241	0.07%
Mn 260.568 Rt	145619.3	10.5809	mg/L	0.00983	10.5809	mg/L	0.00983	0.09%
Mo 202.031 At	362.4	0.019752	mg/L	0.0005113	0.019752	mg/L	0.0005113	2.59%
Na 589.592 Rt	27301.4	3.46193	mg/L	0.009277	3.46193	mg/L	0.009277	0.27%
Ni 232.003 At	12308.2	1.28472	mg/L	0.005400	1.28472	mg/L	0.005400	0.42%
P 213.617 At	2705.9	1.59368	mg/L	0.015763	1.59368	mg/L	0.015763	0.99%
Pb 220.353 At	6482.7	1.65731	mg/L	0.008188	1.65731	mg/L	0.008188	0.49%
Sb 206.836 At	230.3	0.108745	mg/L	0.0022531	0.108745	mg/L	0.0022531	2.07%
Sc 361.383 At	16833.6	0.014348	mg/L	0.0000583	0.014348	mg/L	0.0000583	0.41%
Se 196.026 At	40.4	0.078391	mg/L	0.0119269	0.078391	mg/L	0.0119269	15.21%
Si 251.611 Rt	50213.8	36.3083	mg/L	0.06618	36.3083	mg/L	0.06618	0.18%
SIO2 251.611 Rt	50213.8	77.6998	mg/L	0.14162	77.6998	mg/L	0.14162	0.18%
Sn 189.927 At	1961.0	0.744742	mg/L	0.0014376	0.744742	mg/L	0.0014376	0.19%
Sr 421.552 Rt	481719.7	0.594856	mg/L	0.0006034	0.594856	mg/L	0.0006034	0.10%
Ti 336.121 At	583041.9	2.11982	mg/L	0.003719	2.11982	mg/L	0.003719	0.18%
Tl 190.801 At	39.2	0.085260	mg/L	0.0012490	0.085260	mg/L	0.0012490	1.46%
V 292.402 At	103941.2	1.22893	mg/L	0.005737	1.22893	mg/L	0.005737	0.47%
Zn 206.200 At	30470.3	3.04857	mg/L	0.041051	3.04857	mg/L	0.041051	1.35%

Matrix Recovery Check: ME2QR8S

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Be 313.107 R	0.108509	0.112688	0.000	mg/L	104.2
Mn 260.568 R	8.71168	10.5809	0.010	mg/L	286.9
Ag 328.068 A	0.104444	0.110870	0.001	mg/L	106.4
As 188.979 A	0.107259	0.112083	0.006	mg/L	106.0
Ba 233.527 A	4.79834	4.46431	0.038	mg/L	91.6
Cd 226.502 A	0.098442	0.090744	0.001	mg/L	92.3
Co 228.616 A	1.02838	0.923553	0.005	mg/L	89.5
Cr 267.716 A	1.42568	2.13833	0.013	mg/L	278.2
Cu 324.752 A	1.65355	2.19334	0.006	mg/L	208.0
Ni 232.003 A	1.24314	1.28472	0.005	mg/L	104.2
Pb 220.353 A	1.55832	1.65731	0.008	mg/L	347.5

Method: ILM05 OPT5 Page 72 Date: 5/20/2009 11:58:14 AM

Sb 206.836 A	0.213297	0.108745	0.002	mg/L	47.7
Se 196.026 A	0.090753	0.078391	0.012	mg/L	87.6
Tl 190.801 A	0.101309	0.085260	0.001	mg/L	84.0
V 292.402 A	1.15119	1.22893	0.006	mg/L	107.8
Zn 206.200 A	2.92618	3.04857	0.041	mg/L	112.2

Method: ILMO5 OPT5 Page 73 Date: 5/20/2009 12:04:04 PM

Sequence No.: 31
Sample ID: ME2QR9
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 5/20/2009 11:59:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR9

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	171992.8	171992.8	99.1049	%			12:01:51
1	Al 308.215 Rt	48540.0	48925.6	50.2420	mg/L	50.2420	mg/L	12:02:01
1	B 249.677 Rt	314.2	309.8	0.171411	mg/L	0.171411	mg/L	12:02:01
1	Be 313.107 Rt	844.2	752.1	0.005791	mg/L	0.005791	mg/L	12:02:01
1	Ca 315.887 Rt	102135.5	103113.9	27.8687	mg/L	27.8687	mg/L	12:01:51
1	Fe 273.955 Rt	865025.0	872819.5	979.240	mg/L	979.240	mg/L	12:01:51
1	K 766.490 Rt	37610.2	37641.4	14.3931	mg/L	14.3931	mg/L	12:02:01
1	Li 670.784 Rt	3373.1	3298.8	0.035388	mg/L	0.035388	mg/L	12:02:01
1	Mg 279.077 Rt	10729.7	10823.7	20.7014	mg/L	20.7014	mg/L	12:02:01
1	Mn 260.568 Rt	131611.2	132779.2	9.60048	mg/L	9.60048	mg/L	12:01:51
1	Na 589.592 Rt	57111.2	57546.9	7.29718	mg/L	7.29718	mg/L	12:01:51
1	Si 251.611 Rt	14460.7	14546.0	10.5100	mg/L	10.5100	mg/L	12:02:01
1	SIO2 251.611 Rt	14460.7	14546.0	22.4913	mg/L	22.4913	mg/L	12:02:01
1	Sr 421.552 Rt	169657.0	170998.4	0.211159	mg/L	0.211159	mg/L	12:01:51
1	Lu 261.542 A	2491328.9	2491328.9	102.761	%			12:02:40
1	Ag 328.068 At	743.0	1075.5	0.047393	mg/L	0.047393	mg/L	12:02:53
1	As 188.979 At	176.9	180.8	0.191205	mg/L	0.191205	mg/L	12:03:14
1	Ba 233.527 At	35759.3	34852.5	0.799995	mg/L	0.799995	mg/L	12:02:53
1	Bi 222.821 At	612.8	562.0	-0.356119	mg/L	-0.356119	mg/L	12:02:53
1	Cd 226.502 At	8504.7	8333.2	-0.017426	mg/L	-0.017426	mg/L	12:02:53
1	Co 228.616 At	925.4	987.4	0.050899	mg/L	0.050899	mg/L	12:03:14
1	Cr 267.716 At	283432.4	275655.0	6.99670	mg/L	6.99670	mg/L	12:02:53
1	Cu 324.752 At	303227.8	292522.0	1.62613	mg/L	1.62613	mg/L	12:02:53
1	Ga 417.206 At	22521.5	21991.8	0.036389	mg/L	0.036389	mg/L	12:02:53
1	La 379.478 At	55289.0	54268.7	0.275258	mg/L	0.275258	mg/L	12:02:53
1	Mo 202.031 At	697.1	648.2	0.087814	mg/L	0.087814	mg/L	12:02:53
1	Ni 232.003 At	-830.1	-722.1	0.684503	mg/L	0.684503	mg/L	12:02:53
1	P 213.617 At	32024.6	31230.7	18.5224	mg/L	18.5224	mg/L	12:02:53
1	Pb 220.353 At	28675.5	27862.8	7.08135	mg/L	7.08135	mg/L	12:02:53
1	Sb 206.836 At	228.2	232.4	0.039891	mg/L	0.039891	mg/L	12:03:14
1	Sc 361.383 At	8356.1	8125.1	0.006925	mg/L	0.006925	mg/L	12:02:53
1	Se 196.026 At	-83.4	-55.5	-0.004671	mg/L	-0.004671	mg/L	12:03:14
1	Sn 189.927 At	11622.4	11338.4	4.30601	mg/L	4.30601	mg/L	12:03:14
1	Ti 336.121 At	334609.1	326051.6	1.18925	mg/L	1.18925	mg/L	12:02:53
1	Tl 190.801 At	-59.8	-50.1	0.019067	mg/L	0.019067	mg/L	12:03:14
1	V 292.402 At	22345.8	22042.6	0.210249	mg/L	0.210249	mg/L	12:02:53
1	Zn 206.200 At	265830.4	258664.3	25.8848	mg/L	25.8848	mg/L	12:02:53
2	Lu 261.542 R	172547.3	172547.3	99.4244	%			12:02:13
2	Al 308.215 Rt	48203.6	48429.9	49.7329	mg/L	49.7329	mg/L	12:02:23
2	B 249.677 Rt	308.5	303.0	0.167843	mg/L	0.167843	mg/L	12:02:23
2	Be 313.107 Rt	832.9	738.0	0.005690	mg/L	0.005690	mg/L	12:02:23
2	Ca 315.887 Rt	102150.2	102797.6	27.7832	mg/L	27.7832	mg/L	12:02:13
2	Fe 273.955 Rt	867249.0	872251.4	978.603	mg/L	978.603	mg/L	12:02:13
2	K 766.490 Rt	37344.3	37252.0	14.2442	mg/L	14.2442	mg/L	12:02:23
2	Li 670.784 Rt	3334.4	3249.0	0.034853	mg/L	0.034853	mg/L	12:02:23
2	Mg 279.077 Rt	10640.8	10699.5	20.4638	mg/L	20.4638	mg/L	12:02:23
2	Mn 260.568 Rt	132100.6	132844.7	9.60529	mg/L	9.60529	mg/L	12:02:13
2	Na 589.592 Rt	57269.9	57521.3	7.29394	mg/L	7.29394	mg/L	12:02:13
2	Si 251.611 Rt	14361.8	14399.6	10.4041	mg/L	10.4041	mg/L	12:02:23
2	SIO2 251.611 Rt	14361.8	14399.6	22.2649	mg/L	22.2649	mg/L	12:02:23
2	Sr 421.552 Rt	169966.8	170759.8	0.210864	mg/L	0.210864	mg/L	12:02:13
2	Lu 261.542 A	2510238.2	2510238.2	103.541	%			12:03:29
2	Ag 328.068 At	766.1	1092.3	0.047481	mg/L	0.047481	mg/L	12:03:42
2	As 188.979 At	180.0	182.4	0.193115	mg/L	0.193115	mg/L	12:04:03
2	Ba 233.527 At	35830.4	34659.0	0.795554	mg/L	0.795554	mg/L	12:03:42
2	Bi 222.821 At	605.7	550.7	-0.365319	mg/L	-0.365319	mg/L	12:03:42
2	Cd 226.502 At	8579.7	8343.2	-0.016969	mg/L	-0.016969	mg/L	12:03:42
2	Co 228.616 At	920.7	976.1	0.050292	mg/L	0.050292	mg/L	12:04:03
2	Cr 267.716 At	284272.3	274388.5	6.96455	mg/L	6.96455	mg/L	12:03:42
2	Cu 324.752 At	304133.4	291173.8	1.61863	mg/L	1.61863	mg/L	12:03:42

Method: ILM05 OPT5 Page 74 Date: 5/20/2009 12:04:05 PM

2	Ga 417.206 At	22572.7	21876.1	0.035157 mg/L	0.035157 mg/L	12:03:42
2	La 379.478 At	57332.9	55837.4	0.283215 mg/L	0.283215 mg/L	12:03:42
2	Mo 202.031 At	688.4	634.6	0.086219 mg/L	0.086219 mg/L	12:03:42
2	Ni 232.003 At	-786.2	-673.7	0.689525 mg/L	0.689525 mg/L	12:03:42
2	P 213.617 At	32102.5	31071.2	18.4291 mg/L	18.4291 mg/L	12:03:42
2	Pb 220.353 At	28821.1	27793.3	7.06354 mg/L	7.06354 mg/L	12:03:42
2	Sb 206.836 At	243.0	245.1	0.047433 mg/L	0.047433 mg/L	12:04:03
2	Sc 361.383 At	8376.8	8083.8	0.006890 mg/L	0.006890 mg/L	12:03:42
2	Se 196.026 At	-98.1	-69.1	-0.034159 mg/L	-0.034159 mg/L	12:04:03
2	Sn 189.927 At	11621.9	11252.7	4.27347 mg/L	4.27347 mg/L	12:04:03
2	Ti 336.121 At	336137.9	325075.4	1.18570 mg/L	1.18570 mg/L	12:03:42
2	Tl 190.801 At	-61.9	-51.7	0.017131 mg/L	0.017131 mg/L	12:04:03
2	V 292.402 At	22407.8	21938.7	0.208985 mg/L	0.208985 mg/L	12:03:42
2	Zn 206.200 At	265069.1	255980.4	25.6162 mg/L	25.6162 mg/L	12:03:42

Mean Data: ME2QR9

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	172270.1	99.2646	%	0.22593				0.23%
Lu 261.542 A	2500783.6	103.151	%	0.5515				0.53%
Ag 328.068 At	1083.9	0.047437	mg/L	0.0000616	0.047437	mg/L	0.0000616	0.13%
Al 308.215 Rt	48677.8	49.9875	mg/L	0.35999	49.9875	mg/L	0.35999	0.72%
As 188.979 At	181.6	0.192160	mg/L	0.0013506	0.192160	mg/L	0.0013506	0.70%
B 249.677 Rt	306.4	0.169627	mg/L	0.0025232	0.169627	mg/L	0.0025232	1.49%
Ba 233.527 At	34755.8	0.797774	mg/L	0.0031406	0.797774	mg/L	0.0031406	0.39%
Be 313.107 Rt	745.1	0.005740	mg/L	0.0000716	0.005740	mg/L	0.0000716	1.25%
Bi 222.821 At	556.3	-0.360719	mg/L	0.0065058	-0.360719	mg/L	0.0065058	1.80%
Ca 315.887 Rt	102955.8	27.8259	mg/L	0.06046	27.8259	mg/L	0.06046	0.22%
Cd 226.502 At	8338.2	-0.017197	mg/L	0.0003231	-0.017197	mg/L	0.0003231	1.88%
Co 228.616 At	981.7	0.050595	mg/L	0.0004298	0.050595	mg/L	0.0004298	0.85%
Cr 267.716 At	275021.8	6.98063	mg/L	0.022733	6.98063	mg/L	0.022733	0.33%
Cu 324.752 At	291847.9	1.62238	mg/L	0.005305	1.62238	mg/L	0.005305	0.33%
Fe 273.955 Rt	872535.5	978.921	mg/L	0.4506	978.921	mg/L	0.4506	0.05%
Ga 417.206 At	21934.0	0.035773	mg/L	0.0008709	0.035773	mg/L	0.0008709	2.43%
K 766.490 Rt	37446.7	14.3186	mg/L	0.10529	14.3186	mg/L	0.10529	0.74%
La 379.478 At	55053.0	0.279237	mg/L	0.0056264	0.279237	mg/L	0.0056264	2.01%
Li 670.784 Rt	3273.9	0.035121	mg/L	0.0003779	0.035121	mg/L	0.0003779	1.08%
Mg 279.077 Rt	10761.6	20.5826	mg/L	0.16801	20.5826	mg/L	0.16801	0.82%
Mn 260.568 Rt	132812.0	9.60289	mg/L	0.003403	9.60289	mg/L	0.003403	0.04%
Mo 202.031 At	641.4	0.087016	mg/L	0.0011280	0.087016	mg/L	0.0011280	1.30%
Na 589.592 Rt	57534.1	7.29556	mg/L	0.002291	7.29556	mg/L	0.002291	0.03%
Ni 232.003 At	-697.9	0.687014	mg/L	0.0035510	0.687014	mg/L	0.0035510	0.52%
P 213.617 At	31151.0	18.4757	mg/L	0.06597	18.4757	mg/L	0.06597	0.36%
Pb 220.353 At	27828.1	7.07245	mg/L	0.012595	7.07245	mg/L	0.012595	0.18%
Sb 206.836 At	238.8	0.043662	mg/L	0.0053333	0.043662	mg/L	0.0053333	12.21%
Sc 361.383 At	8104.4	0.006908	mg/L	0.0000249	0.006908	mg/L	0.0000249	0.36%
Se 196.026 At	-62.3	-0.019415	mg/L	0.0208506	-0.019415	mg/L	0.0208506	107.39%
Si 251.611 Rt	14472.8	10.4571	mg/L	0.07483	10.4571	mg/L	0.07483	0.72%
SIO2 251.611 Rt	14472.8	22.3781	mg/L	0.16014	22.3781	mg/L	0.16014	0.72%
Sn 189.927 At	11295.5	4.28974	mg/L	0.023010	4.28974	mg/L	0.023010	0.54%
Sr 421.552 Rt	170879.1	0.211012	mg/L	0.0002083	0.211012	mg/L	0.0002083	0.10%
Ti 336.121 At	325563.5	1.18748	mg/L	0.002515	1.18748	mg/L	0.002515	0.21%
Tl 190.801 At	-50.9	0.018099	mg/L	0.0013695	0.018099	mg/L	0.0013695	7.57%
V 292.402 At	21990.7	0.209617	mg/L	0.0008937	0.209617	mg/L	0.0008937	0.43%
Zn 206.200 At	257322.3	25.7505	mg/L	0.18992	25.7505	mg/L	0.18992	0.74%

Analysis Begun

Start Time: 5/20/2009 12:08:41 PM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902
Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ILMO5 OPT5
IEC File: ILMO5.iec
Method Description:
Method Last Saved: 5/20/2009 8:43:34 AM
MSF File:

Sequence No.: 1
Sample ID: ME2QR9 5X
Analyst: DT
Initial Sample Wt:
Dilution:
Autosampler Location: 68
Date Collected: 5/20/2009 12:08:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR9 5X

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	186315.0	186315.0	107.357	%			12:10:32
1	Al 308.215 Rt	9970.7	9234.6	9.48308	mg/L	9.48308	mg/L	12:10:52
1	B 249.677 Rt	66.9	55.1	0.030638	mg/L	0.030638	mg/L	12:10:52
1	Be 313.107 Rt	241.1	124.9	0.000978	mg/L	0.000978	mg/L	12:10:52
1	Ca 315.887 Rt	21387.3	19977.5	5.39933	mg/L	5.39933	mg/L	12:10:52
1	Fe 273.955 Rt	187454.4	174589.0	195.876	mg/L	195.876	mg/L	12:10:32
1	K 766.490 Rt	7915.3	7064.3	2.70121	mg/L	2.70121	mg/L	12:10:52
1	Li 670.784 Rt	719.5	565.5	0.006066	mg/L	0.006066	mg/L	12:10:52
1	Mg 279.077 Rt	2248.2	2091.2	3.99963	mg/L	3.99963	mg/L	12:10:52
1	Mn 260.568 Rt	27487.6	25583.2	1.84931	mg/L	1.84931	mg/L	12:10:52
1	Na 589.592 Rt	11839.6	10948.1	1.38826	mg/L	1.38826	mg/L	12:10:32
1	Si 251.611 Rt	3086.1	2829.3	2.04438	mg/L	2.04438	mg/L	12:10:52
1	SIO2 251.611 Rt	3086.1	2829.3	4.37497	mg/L	4.37497	mg/L	12:10:52
1	Sr 421.552 Rt	34863.9	32283.7	0.039866	mg/L	0.039866	mg/L	12:10:32
1	Lu 261.542 A	2702052.3	2702052.3	111.452	%			12:11:36
1	Ag 328.068 At	-114.4	249.8	0.009744	mg/L	0.009744	mg/L	12:11:47
1	As 188.979 At	27.9	33.6	0.035386	mg/L	0.035386	mg/L	12:12:07
1	Ba 233.527 At	7599.4	6872.4	0.157747	mg/L	0.157747	mg/L	12:11:47
1	Bi 222.821 At	130.9	83.2	-0.097794	mg/L	-0.097794	mg/L	12:12:07
1	Cd 226.502 At	1637.2	1525.9	-0.007553	mg/L	-0.007553	mg/L	12:11:47
1	Co 228.616 At	120.5	195.0	0.010077	mg/L	0.010077	mg/L	12:12:07
1	Cr 267.716 At	60108.8	53769.2	1.36478	mg/L	1.36478	mg/L	12:11:47
1	Cu 324.752 At	59802.4	51097.7	0.284004	mg/L	0.284004	mg/L	12:11:47
1	Ga 417.206 At	4722.6	4312.6	0.006293	mg/L	0.006293	mg/L	12:11:47
1	La 379.478 At	9984.3	9423.4	0.047797	mg/L	0.047797	mg/L	12:11:36
1	Mo 202.031 At	173.2	125.2	-0.017061	mg/L	0.017061	mg/L	12:12:07
1	Ni 232.003 At	-140.0	-39.9	0.147830	mg/L	0.147830	mg/L	12:11:47
1	P 213.617 At	7466.2	6765.5	4.00795	mg/L	4.00795	mg/L	12:11:47
1	Pb 220.353 At	6314.8	5623.6	1.42937	mg/L	1.42937	mg/L	12:12:07
1	Sb 206.836 At	43.6	49.5	0.010010	mg/L	0.010010	mg/L	12:12:07
1	Sc 361.383 At	1734.2	1549.5	0.001321	mg/L	0.001321	mg/L	12:11:47
1	Se 196.026 At	-45.0	-14.7	-0.008656	mg/L	-0.008656	mg/L	12:12:07
1	Sn 189.927 At	2603.9	2364.6	0.897992	mg/L	0.897992	mg/L	12:12:07
1	Ti 336.121 At	68123.7	61555.3	0.224516	mg/L	0.224516	mg/L	12:11:47
1	Tl 190.801 At	-20.4	-10.2	0.003422	mg/L	0.003422	mg/L	12:12:07
1	V 292.402 At	4266.2	4124.9	0.038614	mg/L	0.038614	mg/L	12:11:47
1	Zn 206.200 At	60708.4	54445.5	5.44845	mg/L	5.44845	mg/L	12:11:47
2	Lu 261.542 R	184238.4	184238.4	106.161	%			12:11:03
2	Al 308.215 Rt	9964.7	9333.6	9.58477	mg/L	9.58477	mg/L	12:11:23
2	B 249.677 Rt	66.4	55.3	0.030764	mg/L	0.030764	mg/L	12:11:23
2	Be 313.107 Rt	245.4	131.4	0.001024	mg/L	0.001024	mg/L	12:11:23
2	Ca 315.887 Rt	21276.7	20097.9	5.43187	mg/L	5.43187	mg/L	12:11:23

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2	Fe 273.955 Rt	186094.3	175275.9	196.647 mg/L	196.647 mg/L	12:11:03
2	K 766.490 Rt	7894.2	7127.5	2.72538 mg/L	2.72538 mg/L	12:11:23
2	Li 670.784 Rt	716.0	569.7	0.006111 mg/L	0.006111 mg/L	12:11:23
2	Mg 279.077 Rt	2232.0	2099.6	4.01558 mg/L	4.01558 mg/L	12:11:23
2	Mn 260.568 Rt	27375.0	25765.6	1.86254 mg/L	1.86254 mg/L	12:11:23
2	Na 589.592 Rt	11679.1	10921.1	1.38485 mg/L	1.38485 mg/L	12:11:03
2	Si 251.611 Rt	3073.7	2850.0	2.05933 mg/L	2.05933 mg/L	12:11:23
2	SIO2 251.611 Rt	3073.7	2850.0	4.40697 mg/L	4.40697 mg/L	12:11:23
2	Sr 421.552 Rt	34518.2	32324.0	0.039916 mg/L	0.039916 mg/L	12:11:03
2	Lu 261.542 A	2688930.1	2688930.1	110.911 %		12:12:19
2	Ag 328.068 At	-85.8	275.0	0.009948 mg/L	0.009948 mg/L	12:12:29
2	As 188.979 At	29.4	35.1	0.037021 mg/L	0.037021 mg/L	12:12:49
2	Ba 233.527 At	7668.6	6968.0	0.159942 mg/L	0.159942 mg/L	12:12:29
2	Bi 222.821 At	131.1	83.9	-0.097813 mg/L	-0.097813 mg/L	12:12:49
2	Cd 226.502 At	1630.4	1526.9	-0.007729 mg/L	-0.007729 mg/L	12:12:29
2	Co 228.616 At	125.1	199.7	0.010330 mg/L	0.010330 mg/L	12:12:49
2	Cr 267.716 At	60124.2	54046.3	1.37181 mg/L	1.37181 mg/L	12:12:29
2	Cu 324.752 At	60315.8	51822.4	0.288036 mg/L	0.288036 mg/L	12:12:29
2	Ga 417.206 At	4714.3	4325.9	0.006270 mg/L	0.006270 mg/L	12:12:29
2	La 379.478 At	9796.3	9297.5	0.047158 mg/L	0.047158 mg/L	12:12:19
2	Mo 202.031 At	177.1	129.5	0.017587 mg/L	0.017587 mg/L	12:12:49
2	Ni 232.003 At	-160.1	-58.7	0.146592 mg/L	0.146592 mg/L	12:12:29
2	P 213.617 At	7500.2	6828.8	4.04506 mg/L	4.04506 mg/L	12:12:29
2	Pb 220.353 At	6308.8	5645.9	1.43504 mg/L	1.43504 mg/L	12:12:49
2	Sb 206.836 At	44.1	50.2	0.010321 mg/L	0.010321 mg/L	12:12:49
2	Sc 361.383 At	1750.4	1571.7	0.001340 mg/L	0.001340 mg/L	12:12:29
2	Se 196.026 At	-38.6	-9.2	0.003387 mg/L	0.003387 mg/L	12:12:49
2	Sn 189.927 At	2593.8	2366.9	0.898866 mg/L	0.898866 mg/L	12:12:49
2	Ti 336.121 At	68251.0	61968.3	0.226023 mg/L	0.226023 mg/L	12:12:29
2	Tl 190.801 At	-21.2	-11.1	0.002413 mg/L	0.002413 mg/L	12:12:49
2	V 292.402 At	4243.7	4123.3	0.038560 mg/L	0.038560 mg/L	12:12:29
2	Zn 206.200 At	61087.4	55053.1	5.50925 mg/L	5.50925 mg/L	12:12:29

Mean Data: ME2QR9 5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	185276.7	106.759	%	0.8461				0.79%
Lu 261.542 A	2695491.2	111.182	%	0.3827				0.34%
Ag 328.068 At	262.4	0.009846	mg/L	0.0001443	0.009846	mg/L	0.0001443	1.47%
Al 308.215 Rt	9284.1	9.53392	mg/L	0.071905	9.53392	mg/L	0.071905	0.75%
As 188.979 At	34.3	0.036203	mg/L	0.0011560	0.036203	mg/L	0.0011560	3.19%
B 249.677 Rt	55.2	0.030701	mg/L	0.0000895	0.030701	mg/L	0.0000895	0.29%
Ba 233.527 At	6920.2	0.158844	mg/L	0.0015517	0.158844	mg/L	0.0015517	0.98%
Be 313.107 Rt	128.1	0.001001	mg/L	0.0000326	0.001001	mg/L	0.0000326	3.26%
Bi 222.821 At	83.5	-0.097803	mg/L	0.0000135	-0.097803	mg/L	0.0000135	0.01%
Ca 315.887 Rt	20037.7	5.41560	mg/L	0.023007	5.41560	mg/L	0.023007	0.42%
Cd 226.502 At	1526.4	-0.007641	mg/L	0.0001240	-0.007641	mg/L	0.0001240	1.62%
Co 228.616 At	197.4	0.010203	mg/L	0.0001791	0.010203	mg/L	0.0001791	1.76%
Cr 267.716 At	53907.7	1.36830	mg/L	0.004973	1.36830	mg/L	0.004973	0.36%
Cu 324.752 At	51460.1	0.286020	mg/L	0.0028507	0.286020	mg/L	0.0028507	1.00%
Fe 273.955 Rt	174932.5	196.261	mg/L	0.5449	196.261	mg/L	0.5449	0.28%
Ga 417.206 At	4319.3	0.006281	mg/L	0.0000160	0.006281	mg/L	0.0000160	0.25%
K 766.490 Rt	7095.9	2.71329	mg/L	0.017091	2.71329	mg/L	0.017091	0.63%
La 379.478 At	9360.5	0.047478	mg/L	0.0004513	0.047478	mg/L	0.0004513	0.95%
Li 670.784 Rt	567.6	0.006089	mg/L	0.0000320	0.006089	mg/L	0.0000320	0.52%
Mg 279.077 Rt	2095.4	4.00760	mg/L	0.011278	4.00760	mg/L	0.011278	0.28%
Mn 260.568 Rt	25674.4	1.85593	mg/L	0.009355	1.85593	mg/L	0.009355	0.50%
Mo 202.031 At	127.4	0.017324	mg/L	0.0003720	0.017324	mg/L	0.0003720	2.15%
Na 589.592 Rt	10934.6	1.38655	mg/L	0.002414	1.38655	mg/L	0.002414	0.17%
Ni 232.003 At	-49.3	0.147211	mg/L	0.0008752	0.147211	mg/L	0.0008752	0.59%
P 213.617 At	6797.1	4.02651	mg/L	0.026237	4.02651	mg/L	0.026237	0.65%
Pb 220.353 At	5634.7	1.43221	mg/L	0.004006	1.43221	mg/L	0.004006	0.28%
Sb 206.836 At	49.8	0.010165	mg/L	0.0002199	0.010165	mg/L	0.0002199	2.16%
Sc 361.383 At	1560.6	0.001330	mg/L	0.0000134	0.001330	mg/L	0.0000134	1.01%
Se 196.026 At	-11.9	-0.002634	mg/L	0.0085162	-0.002634	mg/L	0.0085162	323.26%
Si 251.611 Rt	2839.7	2.05185	mg/L	0.010573	2.05185	mg/L	0.010573	0.52%
SIO2 251.611 Rt	2839.7	4.39097	mg/L	0.022627	4.39097	mg/L	0.022627	0.52%
Sn 189.927 At	2365.7	0.898429	mg/L	0.0006180	0.898429	mg/L	0.0006180	0.07%
Sr 421.552 Rt	32303.8	0.039891	mg/L	0.0000352	0.039891	mg/L	0.0000352	0.09%
Ti 336.121 At	61761.8	0.225270	mg/L	0.0010653	0.225270	mg/L	0.0010653	0.47%
Tl 190.801 At	-10.6	0.002918	mg/L	0.0007138	0.002918	mg/L	0.0007138	24.46%

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V 292.402 At	4124.1	0.038587 mg/L	0.0000383	0.038587 mg/L	0.0000383	0.10%
Zn 206.200 At	54749.3	5.47885 mg/L	0.042992	5.47885 mg/L	0.042992	0.78%

Sequence No.: 2
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 12:14:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	186305.5	186305.5	107.352	%			12:16:24
1	Al 308.215 Rt	2105.6	1908.6	1.90423	mg/L	1.90423	mg/L	12:16:45
1	B 249.677 Rt	3912.2	3637.0	1.89281	mg/L	1.89281	mg/L	12:16:45
1	Be 313.107 Rt	290718.6	270709.0	1.89231	mg/L	1.89231	mg/L	12:16:24
1	Ca 315.887 Rt	75338.0	70234.4	18.9823	mg/L	18.9823	mg/L	12:16:24
1	Fe 273.955 Rt	8979.3	8345.8	9.35469	mg/L	9.35469	mg/L	12:16:45
1	K 766.490 Rt	53145.2	49197.0	18.8117	mg/L	18.8117	mg/L	12:16:24
1	Li 670.784 Rt	138.3	24.2	0.000259	mg/L	0.000259	mg/L	12:16:45
1	Mg 279.077 Rt	10720.1	9983.0	19.0934	mg/L	19.0934	mg/L	12:16:45
1	Mn 260.568 Rt	26945.8	25079.7	1.82285	mg/L	1.82285	mg/L	12:16:45
1	Na 589.592 Rt	163245.9	151985.9	19.2724	mg/L	19.2724	mg/L	12:16:24
1	Si 251.611 Rt	1639.0	1481.5	1.02064	mg/L	1.02064	mg/L	12:16:45
1	SIO2 251.611 Rt	1639.0	1481.5	2.18417	mg/L	2.18417	mg/L	12:16:45
1	Sr 421.552 Rt	924.2	669.9	0.000827	mg/L	0.000827	mg/L	12:16:45
1	Lu 261.542 A	2677570.7	2677570.7	110.443	%			12:17:31
1	Ag 328.068 At	302644.8	274381.5	1.92357	mg/L	1.92357	mg/L	12:17:31
1	As 188.979 At	2016.9	1834.8	2.06412	mg/L	2.06412	mg/L	12:18:01
1	Ba 233.527 At	86215.3	78117.3	1.79308	mg/L	1.79308	mg/L	12:17:41
1	Bi 222.821 At	84.4	42.1	-0.002001	mg/L	-0.002001	mg/L	12:17:41
1	Cd 226.502 At	73250.3	66381.2	1.91732	mg/L	1.91732	mg/L	12:17:41
1	Co 228.616 At	37292.9	33853.7	1.83672	mg/L	1.83672	mg/L	12:17:41
1	Cr 267.716 At	85230.8	77009.0	1.95455	mg/L	1.95455	mg/L	12:17:41
1	Cu 324.752 At	367015.3	329753.5	1.83497	mg/L	1.83497	mg/L	12:17:31
1	Ga 417.206 At	878.5	870.8	0.001136	mg/L	0.001136	mg/L	12:17:41
1	La 379.478 At	1015.8	1384.8	0.007024	mg/L	0.007024	mg/L	12:17:41
1	Mo 202.031 At	17598.9	15904.7	1.92729	mg/L	1.92729	mg/L	12:17:41
1	Ni 232.003 At	21464.0	19520.2	1.81014	mg/L	1.81014	mg/L	12:17:41
1	P 213.617 At	-25.9	43.0	-0.002502	mg/L	-0.002502	mg/L	12:17:41
1	Pb 220.353 At	8195.7	7378.5	1.89193	mg/L	1.89193	mg/L	12:17:41
1	Sb 206.836 At	3801.6	3452.5	1.96417	mg/L	1.96417	mg/L	12:18:01
1	Sc 361.383 At	-262.9	-244.6	-0.000208	mg/L	-0.000208	mg/L	12:17:41
1	Se 196.026 At	1121.6	1041.2	2.24683	mg/L	2.24683	mg/L	12:18:01
1	Sn 189.927 At	-43.8	-11.5	-0.004362	mg/L	-0.004362	mg/L	12:18:01
1	Ti 336.121 At	553680.4	501760.4	1.83062	mg/L	1.83062	mg/L	12:17:31
1	Tl 190.801 At	1526.7	1390.4	1.72704	mg/L	1.72704	mg/L	12:18:01
1	V 292.402 At	184253.3	167128.9	2.00360	mg/L	2.00360	mg/L	12:17:31
1	Zn 206.200 At	21288.2	19250.6	1.91901	mg/L	1.91901	mg/L	12:17:41
2	Lu 261.542 R	184814.4	184814.4	106.493	%			12:16:55
2	Al 308.215 Rt	2098.9	1918.1	1.91413	mg/L	1.91413	mg/L	12:17:16
2	B 249.677 Rt	3903.6	3658.3	1.90391	mg/L	1.90391	mg/L	12:17:16
2	Be 313.107 Rt	286886.3	269295.1	1.88243	mg/L	1.88243	mg/L	12:16:55
2	Ca 315.887 Rt	74556.9	70067.1	18.9371	mg/L	18.9371	mg/L	12:16:55
2	Fe 273.955 Rt	8943.4	8379.6	9.39260	mg/L	9.39260	mg/L	12:17:16
2	K 766.490 Rt	52706.6	49184.6	18.8069	mg/L	18.8069	mg/L	12:16:55
2	Li 670.784 Rt	119.1	7.1	0.000076	mg/L	0.000076	mg/L	12:17:16
2	Mg 279.077 Rt	10695.1	10040.1	19.2026	mg/L	19.2026	mg/L	12:17:16
2	Mn 260.568 Rt	26826.3	25170.0	1.82942	mg/L	1.82942	mg/L	12:17:16
2	Na 589.592 Rt	162423.9	152440.8	19.3301	mg/L	19.3301	mg/L	12:16:55
2	Si 251.611 Rt	1632.5	1487.7	1.02527	mg/L	1.02527	mg/L	12:17:16
2	SIO2 251.611 Rt	1632.5	1487.7	2.19407	mg/L	2.19407	mg/L	12:17:16
2	Sr 421.552 Rt	939.2	691.0	0.000853	mg/L	0.000853	mg/L	12:17:16
2	Lu 261.542 A	2682443.4	2682443.4	110.644	%			12:18:14
2	Ag 328.068 At	302544.1	273792.7	1.91944	mg/L	1.91944	mg/L	12:18:14
2	As 188.979 At	2017.1	1831.7	2.06063	mg/L	2.06063	mg/L	12:18:45
2	Ba 233.527 At	85897.5	77688.3	1.78324	mg/L	1.78324	mg/L	12:18:25
2	Bi 222.821 At	84.8	42.3	-0.001622	mg/L	-0.001622	mg/L	12:18:25
2	Cd 226.502 At	72723.2	65784.4	1.90006	mg/L	1.90006	mg/L	12:18:25
2	Co 228.616 At	37136.9	33651.4	1.82573	mg/L	1.82573	mg/L	12:18:25
2	Cr 267.716 At	84930.2	76597.1	1.94409	mg/L	1.94409	mg/L	12:18:25
2	Cu 324.752 At	366816.9	328970.5	1.83061	mg/L	1.83061	mg/L	12:18:14

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2	Ga 417.206 At	836.8	831.6	0.000670 mg/L	0.000670 mg/L	12:18:25
2	La 379.478 At	1013.0	1380.6	0.007002 mg/L	0.007002 mg/L	12:18:25
2	Mo 202.031 At	17579.7	15858.4	1.92168 mg/L	1.92168 mg/L	12:18:25
2	Ni 232.003 At	21405.6	19432.1	1.80213 mg/L	1.80213 mg/L	12:18:25
2	P 213.617 At	-22.9	45.8	-0.000854 mg/L	-0.000854 mg/L	12:18:25
2	Pb 220.353 At	8218.6	7385.7	1.89378 mg/L	1.89378 mg/L	12:18:25
2	Sb 206.836 At	3798.4	3443.4	1.95902 mg/L	1.95902 mg/L	12:18:45
2	Sc 361.383 At	-276.0	-256.0	-0.000218 mg/L	-0.000218 mg/L	12:18:25
2	Se 196.026 At	1110.4	1029.2	2.22090 mg/L	2.22090 mg/L	12:18:45
2	Sn 189.927 At	-45.6	-13.0	-0.004946 mg/L	-0.004946 mg/L	12:18:45
2	Ti 336.121 At	553622.4	500797.3	1.82710 mg/L	1.82710 mg/L	12:18:14
2	Tl 190.801 At	1526.1	1387.4	1.72330 mg/L	1.72330 mg/L	12:18:45
2	V 292.402 At	184410.6	166968.0	2.00162 mg/L	2.00162 mg/L	12:18:14
2	Zn 206.200 At	21171.1	19109.7	1.90492 mg/L	1.90492 mg/L	12:18:25

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	185559.9	106.922	%	0.6075				0.57%
Lu 261.542 A	2680007.0	110.543	%	0.1421				0.13%
Ag 328.068 At	274087.1	1.92151	mg/L	0.002919	1.92151	mg/L	0.002919	0.15%
QC value within limits for Ag 328.068 A Recovery = 96.08%								
Al 308.215 Rt	1913.4	1.90918	mg/L	0.007005	1.90918	mg/L	0.007005	0.37%
QC value within limits for Al 308.215 R Recovery = 95.46%								
As 188.979 At	1833.2	2.06237	mg/L	0.002470	2.06237	mg/L	0.002470	0.12%
QC value within limits for As 188.979 A Recovery = 103.12%								
B 249.677 Rt	3647.7	1.89836	mg/L	0.007850	1.89836	mg/L	0.007850	0.41%
Ba 233.527 At	77902.8	1.78816	mg/L	0.006963	1.78816	mg/L	0.006963	0.39%
QC value less than the lower limit for Ba 233.527 A Recovery = 89.41%								
Be 313.107 Rt	270002.1	1.88737	mg/L	0.006989	1.88737	mg/L	0.006989	0.37%
QC value within limits for Be 313.107 R Recovery = 94.37%								
Bi 222.821 At	42.2	-0.001812	mg/L	0.0002681	-0.001812	mg/L	0.0002681	14.80%
Ca 315.887 Rt	70150.8	18.9597	mg/L	0.03197	18.9597	mg/L	0.03197	0.17%
QC value within limits for Ca 315.887 R Recovery = 94.80%								
Cd 226.502 At	66082.8	1.90869	mg/L	0.012208	1.90869	mg/L	0.012208	0.64%
QC value within limits for Cd 226.502 A Recovery = 95.43%								
Co 228.616 At	33752.5	1.83123	mg/L	0.007773	1.83123	mg/L	0.007773	0.42%
QC value within limits for Co 228.616 A Recovery = 91.56%								
Cr 267.716 At	76803.1	1.94932	mg/L	0.007395	1.94932	mg/L	0.007395	0.38%
QC value within limits for Cr 267.716 A Recovery = 97.47%								
Cu 324.752 At	329362.0	1.83279	mg/L	0.003082	1.83279	mg/L	0.003082	0.17%
QC value within limits for Cu 324.752 A Recovery = 91.64%								
Fe 273.955 Rt	8362.7	9.37365	mg/L	0.026800	9.37365	mg/L	0.026800	0.29%
QC value within limits for Fe 273.955 R Recovery = 93.74%								
Ga 417.206 At	851.2	0.000903	mg/L	0.0003296	0.000903	mg/L	0.0003296	36.51%
K 766.490 Rt	49190.8	18.8093	mg/L	0.00336	18.8093	mg/L	0.00336	0.02%
QC value within limits for K 766.490 R Recovery = 94.05%								
La 379.478 At	1382.7	0.007013	mg/L	0.0000151	0.007013	mg/L	0.0000151	0.22%
Li 670.784 Rt	15.6	0.000168	mg/L	0.0001295	0.000168	mg/L	0.0001295	77.18%
Mg 279.077 Rt	10011.6	19.1480	mg/L	0.07722	19.1480	mg/L	0.07722	0.40%
QC value within limits for Mg 279.077 R Recovery = 95.74%								
Mn 260.568 Rt	25124.9	1.82614	mg/L	0.004645	1.82614	mg/L	0.004645	0.25%
QC value within limits for Mn 260.568 R Recovery = 91.31%								
Mo 202.031 At	15881.5	1.92448	mg/L	0.003965	1.92448	mg/L	0.003965	0.21%
Na 589.592 Rt	152213.4	19.3013	mg/L	0.04079	19.3013	mg/L	0.04079	0.21%
QC value within limits for Na 589.592 R Recovery = 96.51%								
Ni 232.003 At	19476.2	1.80613	mg/L	0.005670	1.80613	mg/L	0.005670	0.31%
QC value within limits for Ni 232.003 A Recovery = 90.31%								
P 213.617 At	44.4	-0.001678	mg/L	0.0011657	-0.001678	mg/L	0.0011657	69.46%
Pb 220.353 At	7382.1	1.89285	mg/L	0.001309	1.89285	mg/L	0.001309	0.07%
QC value within limits for Pb 220.353 A Recovery = 94.64%								
Sb 206.836 At	3448.0	1.96160	mg/L	0.003640	1.96160	mg/L	0.003640	0.19%
QC value within limits for Sb 206.836 A Recovery = 98.08%								
Sc 361.383 At	-250.3	-0.000213	mg/L	0.0000069	-0.000213	mg/L	0.0000069	3.23%
Se 196.026 At	1035.2	2.23386	mg/L	0.018336	2.23386	mg/L	0.018336	0.82%
QC value greater than the upper limit for Se 196.026 A Recovery = 111.69%								
Si 251.611 Rt	1484.6	1.02296	mg/L	0.003271	1.02296	mg/L	0.003271	0.32%
SIO2 251.611 Rt	1484.6	2.18912	mg/L	0.007001	2.18912	mg/L	0.007001	0.32%
Sn 189.927 At	-12.3	-0.004654	mg/L	0.0004132	-0.004654	mg/L	0.0004132	8.88%
Sr 421.552 Rt	680.5	0.000840	mg/L	0.0000184	0.000840	mg/L	0.0000184	2.19%
Ti 336.121 At	501278.9	1.82886	mg/L	0.002487	1.82886	mg/L	0.002487	0.14%

Tl 190.801 At	1388.9	1.72517 mg/L	0.002647	1.72517 mg/L	0.002647	0.15%
QC value less than the lower limit for Tl 190.801 A Recovery = 86.26%						
V 292.402 At	167048.4	2.00261 mg/L	0.001396	2.00261 mg/L	0.001396	0.07%
QC value within limits for V 292.402 A Recovery = 100.13%						
Zn 206.200 At	19180.2	1.91196 mg/L	0.009965	1.91196 mg/L	0.009965	0.52%
QC value within limits for Zn 206.200 A Recovery = 95.60%						

QC Failed. Continue with analysis.

Method: ILMO5 OPT5 Page 7 Date: 5/20/2009 12:24:37 PM

Sequence No.: 3
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 12:20:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	183361.1	183361.1	105.655	%			12:22:20
1	Al 308.215 Rt	58.2	2.3	0.002366	mg/L	0.002366	mg/L	12:22:40
1	B 249.677 Rt	11.7	3.8	0.001974	mg/L	0.001974	mg/L	12:22:40
1	Be 313.107 Rt	101.1	-4.1	-0.000028	mg/L	-0.000028	mg/L	12:22:40
1	Ca 315.887 Rt	-75.1	-15.1	-0.004088	mg/L	-0.004088	mg/L	12:22:40
1	Fe 273.955 Rt	15.8	-3.6	-0.004076	mg/L	-0.004076	mg/L	12:22:40
1	K 766.490 Rt	312.2	-13.1	-0.004995	mg/L	-0.004995	mg/L	12:22:20
1	Li 670.784 Rt	53.0	-54.6	-0.000585	mg/L	-0.000585	mg/L	12:22:20
1	Mg 279.077 Rt	-0.7	-3.5	-0.006769	mg/L	-0.006769	mg/L	12:22:40
1	Mn 260.568 Rt	8.0	-13.1	-0.000955	mg/L	-0.000955	mg/L	12:22:40
1	Na 589.592 Rt	65.1	-18.5	-0.002347	mg/L	-0.002347	mg/L	12:22:20
1	Si 251.611 Rt	49.2	1.2	0.000878	mg/L	0.000878	mg/L	12:22:40
1	SIO2 251.611 Rt	49.2	1.2	0.001878	mg/L	0.001878	mg/L	12:22:40
1	Sr 421.552 Rt	151.5	-47.6	-0.000059	mg/L	-0.000059	mg/L	12:22:20
1	Lu 261.542 A	2686097.3	2686097.3	110.794	%			12:23:24
1	Ag 328.068 At	-322.2	61.6	0.000435	mg/L	0.000435	mg/L	12:23:34
1	As 188.979 At	-10.6	-1.0	-0.001131	mg/L	-0.001131	mg/L	12:23:54
1	Ba 233.527 At	-63.4	-3.4	-0.000077	mg/L	-0.000077	mg/L	12:23:54
1	Bi 222.821 At	39.5	1.4	0.001355	mg/L	0.001355	mg/L	12:23:54
1	Cd 226.502 At	-65.1	-1.8	-0.000051	mg/L	-0.000051	mg/L	12:23:54
1	Co 228.616 At	-104.9	-7.8	-0.000420	mg/L	-0.000420	mg/L	12:23:54
1	Cr 267.716 At	177.5	-2.8	-0.000072	mg/L	-0.000072	mg/L	12:23:54
1	Cu 324.752 At	4297.2	1318.8	0.007340	mg/L	0.007340	mg/L	12:23:34
1	Ga 417.206 At	-93.6	-9.2	-0.000107	mg/L	-0.000107	mg/L	12:23:34
1	La 379.478 At	-462.6	47.5	0.000241	mg/L	0.000241	mg/L	12:23:34
1	Mo 202.031 At	50.1	15.1	0.001827	mg/L	0.001827	mg/L	12:23:54
1	Ni 232.003 At	-95.8	-0.8	-0.000079	mg/L	-0.000079	mg/L	12:23:54
1	P 213.617 At	-77.4	-3.4	-0.002186	mg/L	-0.002186	mg/L	12:23:54
1	Pb 220.353 At	37.4	-8.6	-0.002201	mg/L	-0.002201	mg/L	12:23:54
1	Sb 206.836 At	-9.6	1.8	0.001019	mg/L	0.001019	mg/L	12:23:54
1	Sc 361.383 At	0.4	-6.2	-0.000005	mg/L	-0.000005	mg/L	12:23:34
1	Se 196.026 At	-29.8	-1.3	-0.002754	mg/L	-0.002754	mg/L	12:23:54
1	Sn 189.927 At	-35.1	-3.5	-0.001337	mg/L	-0.001337	mg/L	12:23:54
1	Ti 336.121 At	-686.6	-188.1	-0.000686	mg/L	-0.000686	mg/L	12:23:34
1	Tl 190.801 At	-11.1	-2.0	-0.002433	mg/L	-0.002433	mg/L	12:23:54
1	V 292.402 At	-458.5	-116.7	-0.001374	mg/L	-0.001374	mg/L	12:23:34
1	Zn 206.200 At	31.0	3.2	0.000319	mg/L	0.000319	mg/L	12:23:54
2	Lu 261.542 R	185290.2	185290.2	106.767	%			12:22:51
2	Al 308.215 Rt	53.1	-3.1	-0.003155	mg/L	-0.003155	mg/L	12:23:11
2	B 249.677 Rt	9.2	1.3	0.000696	mg/L	0.000696	mg/L	12:23:11
2	Be 313.107 Rt	101.1	-5.0	-0.000035	mg/L	-0.000035	mg/L	12:23:11
2	Ca 315.887 Rt	-74.5	-13.8	-0.003738	mg/L	-0.003738	mg/L	12:23:11
2	Fe 273.955 Rt	13.9	-5.6	-0.006252	mg/L	-0.006252	mg/L	12:23:11
2	K 766.490 Rt	328.6	-0.8	-0.000297	mg/L	-0.000297	mg/L	12:22:51
2	Li 670.784 Rt	85.7	-24.4	-0.000262	mg/L	-0.000262	mg/L	12:22:51
2	Mg 279.077 Rt	-1.0	-3.8	-0.007329	mg/L	-0.007329	mg/L	12:23:11
2	Mn 260.568 Rt	5.3	-15.7	-0.001142	mg/L	-0.001142	mg/L	12:23:11
2	Na 589.592 Rt	75.7	-9.2	-0.001168	mg/L	-0.001168	mg/L	12:22:51
2	Si 251.611 Rt	45.4	-2.8	-0.002008	mg/L	-0.002008	mg/L	12:23:11
2	SIO2 251.611 Rt	45.4	-2.8	-0.004298	mg/L	-0.004298	mg/L	12:23:11
2	Sr 421.552 Rt	142.6	-57.4	-0.000071	mg/L	-0.000071	mg/L	12:22:51
2	Lu 261.542 A	2691708.7	2691708.7	111.026	%			12:24:06
2	Ag 328.068 At	-327.9	57.1	0.000402	mg/L	0.000402	mg/L	12:24:16
2	As 188.979 At	-10.3	-0.7	-0.000802	mg/L	-0.000802	mg/L	12:24:36
2	Ba 233.527 At	-63.2	-3.1	-0.000071	mg/L	-0.000071	mg/L	12:24:36
2	Bi 222.821 At	37.4	-0.6	-0.000494	mg/L	-0.000494	mg/L	12:24:36
2	Cd 226.502 At	-55.5	6.9	0.000203	mg/L	0.000203	mg/L	12:24:36
2	Co 228.616 At	-101.5	-4.5	-0.000244	mg/L	-0.000244	mg/L	12:24:36
2	Cr 267.716 At	179.6	-1.3	-0.000033	mg/L	-0.000033	mg/L	12:24:36
2	Cu 324.752 At	4267.1	1283.7	0.007144	mg/L	0.007144	mg/L	12:24:16

Method: ILMO5 OPT5 Page 8 Date: 5/20/2009 12:24:38 PM

2	Ga 417.206 At	-86.4	-2.5	-0.000026 mg/L	-0.000026 mg/L	12:24:16
2	La 379.478 At	-452.4	57.6	0.000292 mg/L	0.000292 mg/L	12:24:16
2	Mo 202.031 At	46.3	11.6	0.001403 mg/L	0.001403 mg/L	12:24:36
2	Ni 232.003 At	-91.0	3.7	0.000345 mg/L	0.000345 mg/L	12:24:36
2	P 213.617 At	-73.8	-0.0	-0.000229 mg/L	-0.000229 mg/L	12:24:36
2	Pb 220.353 At	38.2	-7.9	-0.002043 mg/L	-0.002043 mg/L	12:24:36
2	Sb 206.836 At	-9.0	2.3	0.001320 mg/L	0.001320 mg/L	12:24:36
2	Sc 361.383 At	16.3	8.1	0.000007 mg/L	0.000007 mg/L	12:24:16
2	Se 196.026 At	-29.6	-1.0	-0.002199 mg/L	-0.002199 mg/L	12:24:36
2	Sn 189.927 At	-36.8	-5.0	-0.001894 mg/L	-0.001894 mg/L	12:24:36
2	Ti 336.121 At	-703.9	-202.3	-0.000738 mg/L	-0.000738 mg/L	12:24:16
2	Tl 190.801 At	-9.2	-0.2	-0.000298 mg/L	-0.000298 mg/L	12:24:36
2	V 292.402 At	-484.1	-138.9	-0.001641 mg/L	-0.001641 mg/L	12:24:16
2	Zn 206.200 At	32.9	4.9	0.000485 mg/L	0.000485 mg/L	12:24:36

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	184325.6	106.211	%	0.7860				0.74%
Lu 261.542 A	2688903.0	110.910	%	0.1637				0.15%
Ag 328.068 At	59.3	0.000418	mg/L	0.0000227	0.000418	mg/L	0.0000227	5.43%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-0.4	-0.000394	mg/L	0.0039039	-0.000394	mg/L	0.0039039	990.05%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	-0.9	-0.000967	mg/L	0.0002320	-0.000967	mg/L	0.0002320	24.01%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	2.6	0.001335	mg/L	0.0009037	0.001335	mg/L	0.0009037	67.68%
Ba 233.527 At	-3.2	-0.000074	mg/L	0.0000042	-0.000074	mg/L	0.0000042	5.61%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	-4.5	-0.000032	mg/L	0.0000046	-0.000032	mg/L	0.0000046	14.57%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	0.4	0.000430	mg/L	0.0013075	0.000430	mg/L	0.0013075	303.89%
Ca 315.887 Rt	-14.5	-0.003913	mg/L	0.0002474	-0.003913	mg/L	0.0002474	6.32%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	2.6	0.000076	mg/L	0.0001793	0.000076	mg/L	0.0001793	236.14%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-6.1	-0.000332	mg/L	0.0001243	-0.000332	mg/L	0.0001243	37.42%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-2.1	-0.000052	mg/L	0.0000280	-0.000052	mg/L	0.0000280	53.49%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	1301.3	0.007242	mg/L	0.0001383	0.007242	mg/L	0.0001383	1.91%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-4.6	-0.005164	mg/L	0.0015385	-0.005164	mg/L	0.0015385	29.79%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-5.9	-0.000067	mg/L	0.0000570	-0.000067	mg/L	0.0000570	85.55%
K 766.490 Rt	-6.9	-0.002646	mg/L	0.0033218	-0.002646	mg/L	0.0033218	125.52%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	52.6	0.000267	mg/L	0.0000361	0.000267	mg/L	0.0000361	13.53%
Li 670.784 Rt	-39.5	-0.000424	mg/L	0.0002287	-0.000424	mg/L	0.0002287	53.99%
Mg 279.077 Rt	-3.7	-0.007049	mg/L	0.0003957	-0.007049	mg/L	0.0003957	5.61%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-14.4	-0.001049	mg/L	0.0001319	-0.001049	mg/L	0.0001319	12.58%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	13.3	0.001615	mg/L	0.0002994	0.001615	mg/L	0.0002994	18.54%
Na 589.592 Rt	-13.9	-0.001758	mg/L	0.0008339	-0.001758	mg/L	0.0008339	47.44%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	1.5	0.000133	mg/L	0.0002998	0.000133	mg/L	0.0002998	224.77%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	-1.7	-0.001207	mg/L	0.0013835	-0.001207	mg/L	0.0013835	114.58%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	-8.3	-0.002122	mg/L	0.0001122	-0.002122	mg/L	0.0001122	5.29%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	2.0	0.001169	mg/L	0.0002131	0.001169	mg/L	0.0002131	18.22%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	1.0	0.000001	mg/L	0.0000086	0.000001	mg/L	0.0000086	>999.9%
Se 196.026 At	-1.1	-0.002476	mg/L	0.0003927	-0.002476	mg/L	0.0003927	15.86%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-0.8	-0.000565	mg/L	0.0020408	-0.000565	mg/L	0.0020408	361.03%
SIO2 251.611 Rt	-0.8	-0.001210	mg/L	0.0043673	-0.001210	mg/L	0.0043673	361.03%
Sn 189.927 At	-4.3	-0.001615	mg/L	0.0003938	-0.001615	mg/L	0.0003938	24.38%
Sr 421.552 Rt	-52.5	-0.000065	mg/L	0.0000085	-0.000065	mg/L	0.0000085	13.18%

Ti 336.121 At	-195.2	-0.000712	mg/L	0.0000367	-0.000712	mg/L	0.0000367 5.16%
Tl 190.801 At	-1.1	-0.001366	mg/L	0.0015098	-0.001366	mg/L	0.0015098 110.53%
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	-127.8	-0.001508	mg/L	0.0001887	-0.001508	mg/L	0.0001887 12.52%
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	4.1	0.000402	mg/L	0.0001175	0.000402	mg/L	0.0001175 29.23%
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

Analysis Begun

Start Time: 5/20/2009 12:30:08 PM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902
Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ILMO5 OPT5
IEC File: ILMO5.iec
Method Description:
Method Last Saved: 5/20/2009 12:12:52 PM
MSF File:

Sequence No.: 1
Sample ID: ME2QR3 5X
Analyst: DT
Initial Sample Wt:
Dilution:
Autosampler Location: 65
Date Collected: 5/20/2009 12:30:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR3 5X

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	184191.3	184191.3	106.134	%			12:32:01
1	Al 308.215 Rt	8689.0	8134.0	8.35274	mg/L	8.35274	mg/L	12:32:21
1	B 249.677 Rt	23.4	14.8	0.009350	mg/L	0.009350	mg/L	12:32:21
1	Be 313.107 Rt	258.8	144.1	0.001090	mg/L	0.001090	mg/L	12:32:21
1	Ca 315.887 Rt	35446.2	33453.6	9.04152	mg/L	9.04152	mg/L	12:32:01
1	Fe 273.955 Rt	174186.5	164101.1	184.109	mg/L	184.109	mg/L	12:32:01
1	K 766.490 Rt	17806.4	16468.7	6.29722	mg/L	6.29722	mg/L	12:32:01
1	Li 670.784 Rt	524.6	389.6	0.004180	mg/L	0.004180	mg/L	12:32:21
1	Mg 279.077 Rt	1885.3	1773.4	3.39185	mg/L	3.39185	mg/L	12:32:21
1	Mn 260.568 Rt	23555.6	22173.6	1.60195	mg/L	1.60195	mg/L	12:32:21
1	Na 589.592 Rt	51764.7	48693.0	6.17447	mg/L	6.17447	mg/L	12:32:01
1	Si 251.611 Rt	3369.9	3129.8	2.26159	mg/L	2.26159	mg/L	12:32:21
1	SIO2 251.611 Rt	3369.9	3129.8	4.83980	mg/L	4.83980	mg/L	12:32:21
1	Sr 421.552 Rt	20881.6	19483.8	0.024060	mg/L	0.024060	mg/L	12:32:01
1	Lu 261.542 A	2670780.0	2670780.0	110.162	%			12:33:05
1	Ag 328.068 At	-691.5	-275.3	0.005601	mg/L	0.005601	mg/L	12:33:15
1	As 188.979 At	27.3	33.4	0.035478	mg/L	0.035478	mg/L	12:33:36
1	Ba 233.527 At	4433.9	4078.7	0.093622	mg/L	0.093622	mg/L	12:33:15
1	Bi 222.821 At	110.9	66.4	-0.099479	mg/L	-0.099479	mg/L	12:33:36
1	Cd 226.502 At	1509.7	1427.4	-0.007290	mg/L	-0.007290	mg/L	12:33:15
1	Co 228.616 At	147.6	220.8	0.011442	mg/L	0.011442	mg/L	12:33:36
1	Cr 267.716 At	49575.6	44839.2	1.13811	mg/L	1.13811	mg/L	12:33:15
1	Cu 324.752 At	43621.3	37037.5	0.205890	mg/L	0.205890	mg/L	12:33:15
1	Ga 417.206 At	3951.6	3662.4	0.001091	mg/L	0.001091	mg/L	12:33:15
1	La 379.478 At	9159.1	8779.2	0.044529	mg/L	0.044529	mg/L	12:33:05
1	Mo 202.031 At	192.3	144.4	0.019027	mg/L	0.019027	mg/L	12:33:36
1	Ni 232.003 At	-52.7	37.9	0.150340	mg/L	0.150340	mg/L	12:33:15
1	P 213.617 At	3650.7	3380.4	2.03245	mg/L	2.03245	mg/L	12:33:36
1	Pb 220.353 At	3540.6	3171.7	0.801376	mg/L	0.801376	mg/L	12:33:36
1	Sb 206.836 At	30.3	37.9	0.005806	mg/L	0.005806	mg/L	12:33:36
1	Sc 361.383 At	2013.8	1821.5	0.001553	mg/L	0.001553	mg/L	12:33:15
1	Se 196.026 At	-40.4	-11.0	-0.002032	mg/L	-0.002032	mg/L	12:33:36
1	Sn 189.927 At	2547.5	2340.7	0.888937	mg/L	0.888937	mg/L	12:33:36
1	Ti 336.121 At	72365.8	66121.7	0.241161	mg/L	0.241161	mg/L	12:33:15
1	Tl 190.801 At	-21.7	-11.6	0.000328	mg/L	0.000328	mg/L	12:33:36
1	V 292.402 At	3469.0	3446.1	0.030902	mg/L	0.030902	mg/L	12:33:15
1	Zn 206.200 At	25217.8	22866.7	2.28805	mg/L	2.28805	mg/L	12:33:15
2	Lu 261.542 R	184555.5	184555.5	106.344	%			12:32:31
2	Al 308.215 Rt	8684.5	8113.6	8.33183	mg/L	8.33183	mg/L	12:32:51
2	B 249.677 Rt	18.9	10.5	0.007105	mg/L	0.007105	mg/L	12:32:51
2	Be 313.107 Rt	260.3	145.0	0.001096	mg/L	0.001096	mg/L	12:32:51
2	Ca 315.887 Rt	35496.5	33434.9	9.03648	mg/L	9.03648	mg/L	12:32:31

Method: ILMO5 OPT5 Page 2 Date: 5/20/2009 12:34:19 PM

2	Fe 273.955 Rt	174662.9	164225.2	184.249 mg/L	184.249 mg/L	12:32:31
2	K 766.490 Rt	17882.0	16506.7	6.31175 mg/L	6.31175 mg/L	12:32:31
2	Li 670.784 Rt	516.9	381.3	0.004091 mg/L	0.004091 mg/L	12:32:51
2	Mg 279.077 Rt	1894.3	1778.4	3.40127 mg/L	3.40127 mg/L	12:32:51
2	Mn 260.568 Rt	23540.0	22115.0	1.59768 mg/L	1.59768 mg/L	12:32:51
2	Na 589.592 Rt	51827.4	48655.6	6.16974 mg/L	6.16974 mg/L	12:32:31
2	Si 251.611 Rt	3361.8	3115.9	2.25154 mg/L	2.25154 mg/L	12:32:51
2	SIO2 251.611 Rt	3361.8	3115.9	4.81829 mg/L	4.81829 mg/L	12:32:51
2	Sr 421.552 Rt	20911.9	19473.5	0.024047 mg/L	0.024047 mg/L	12:32:31
2	Lu 261.542 A	2673041.9	2673041.9	110.256 %		12:33:47
2	Ag 328.068 At	-663.0	-248.9	0.005801 mg/L	0.005801 mg/L	12:33:58
2	As 188.979 At	23.6	30.0	0.031649 mg/L	0.031649 mg/L	12:34:18
2	Ba 233.527 At	4457.2	4096.4	0.094028 mg/L	0.094028 mg/L	12:33:58
2	Bi 222.821 At	112.4	67.6	-0.098329 mg/L	-0.098329 mg/L	12:34:18
2	Cd 226.502 At	1497.9	1415.5	-0.007671 mg/L	-0.007671 mg/L	12:33:58
2	Co 228.616 At	146.1	219.4	0.011368 mg/L	0.011368 mg/L	12:34:18
2	Cr 267.716 At	49451.4	44688.4	1.13429 mg/L	1.13429 mg/L	12:33:58
2	Cu 324.752 At	43670.1	37048.3	0.205951 mg/L	0.205951 mg/L	12:33:58
2	Ga 417.206 At	3934.2	3643.6	0.000835 mg/L	0.000835 mg/L	12:33:58
2	La 379.478 At	9043.5	8667.3	0.043962 mg/L	0.043962 mg/L	12:33:47
2	Mo 202.031 At	192.0	143.9	0.018983 mg/L	0.018983 mg/L	12:34:18
2	Ni 232.003 At	-48.6	41.6	0.150945 mg/L	0.150945 mg/L	12:33:58
2	P 213.617 At	3625.3	3354.5	2.01744 mg/L	2.01744 mg/L	12:34:18
2	Pb 220.353 At	3519.1	3149.4	0.795657 mg/L	0.795657 mg/L	12:34:18
2	Sb 206.836 At	34.0	41.3	0.007743 mg/L	0.007743 mg/L	12:34:18
2	Sc 361.383 At	2001.2	1808.5	0.001541 mg/L	0.001541 mg/L	12:33:58
2	Se 196.026 At	-41.1	-11.6	-0.003282 mg/L	-0.003282 mg/L	12:34:18
2	Sn 189.927 At	2524.4	2317.8	0.880238 mg/L	0.880238 mg/L	12:34:18
2	Ti 336.121 At	72235.5	65947.9	0.240526 mg/L	0.240526 mg/L	12:33:58
2	Tl 190.801 At	-19.8	-9.9	0.002468 mg/L	0.002468 mg/L	12:34:18
2	V 292.402 At	3438.4	3415.7	0.030523 mg/L	0.030523 mg/L	12:33:58
2	Zn 206.200 At	25201.8	22832.9	2.28467 mg/L	2.28467 mg/L	12:33:58

Mean Data: ME2QR3 5X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	184373.4	106.239	%	0.1484				0.14%
Lu 261.542 A	2671911.0	110.209	%	0.0660				0.06%
Ag 328.068 At	-262.1	0.005701	mg/L	0.0001418	0.005701	mg/L	0.0001418	2.49%
Al 308.215 Rt	8123.8	8.34229	mg/L	0.014781	8.34229	mg/L	0.014781	0.18%
As 188.979 At	31.7	0.033563	mg/L	0.0027074	0.033563	mg/L	0.0027074	8.07%
B 249.677 Rt	12.7	0.008227	mg/L	0.0015872	0.008227	mg/L	0.0015872	19.29%
Ba 233.527 At	4087.6	0.093825	mg/L	0.0002866	0.093825	mg/L	0.0002866	0.31%
Be 313.107 Rt	144.5	0.001093	mg/L	0.0000043	0.001093	mg/L	0.0000043	0.39%
Bi 222.821 At	67.0	-0.098904	mg/L	0.0008128	-0.098904	mg/L	0.0008128	0.82%
Ca 315.887 Rt	33444.3	9.03900	mg/L	0.003560	9.03900	mg/L	0.003560	0.04%
Cd 226.502 At	1421.4	-0.007481	mg/L	0.0002692	-0.007481	mg/L	0.0002692	3.60%
Co 228.616 At	220.1	0.011405	mg/L	0.0000526	0.011405	mg/L	0.0000526	0.46%
Cr 267.716 At	44763.8	1.13620	mg/L	0.002705	1.13620	mg/L	0.002705	0.24%
Cu 324.752 At	37042.9	0.205920	mg/L	0.0000433	0.205920	mg/L	0.0000433	0.02%
Fe 273.955 Rt	164163.2	184.179	mg/L	0.0984	184.179	mg/L	0.0984	0.05%
Ga 417.206 At	3653.0	0.000963	mg/L	0.0001807	0.000963	mg/L	0.0001807	18.76%
K 766.490 Rt	16487.7	6.30449	mg/L	0.010272	6.30449	mg/L	0.010272	0.16%
La 379.478 At	8723.2	0.044246	mg/L	0.0004014	0.044246	mg/L	0.0004014	0.91%
Li 670.784 Rt	385.5	0.004135	mg/L	0.0000628	0.004135	mg/L	0.0000628	1.52%
Mg 279.077 Rt	1775.9	3.39656	mg/L	0.006661	3.39656	mg/L	0.006661	0.20%
Mn 260.568 Rt	22144.3	1.59981	mg/L	0.003018	1.59981	mg/L	0.003018	0.19%
Mo 202.031 At	144.2	0.019005	mg/L	0.0000310	0.019005	mg/L	0.0000310	0.16%
Na 589.592 Rt	48674.3	6.17210	mg/L	0.003346	6.17210	mg/L	0.003346	0.05%
Ni 232.003 At	39.7	0.150643	mg/L	0.0004280	0.150643	mg/L	0.0004280	0.28%
P 213.617 At	3367.5	2.02494	mg/L	0.010613	2.02494	mg/L	0.010613	0.52%
Pb 220.353 At	3160.6	0.798516	mg/L	0.0040441	0.798516	mg/L	0.0040441	0.51%
Sb 206.836 At	39.6	0.006774	mg/L	0.0013694	0.006774	mg/L	0.0013694	20.21%
Sc 361.383 At	1815.0	0.001547	mg/L	0.0000078	0.001547	mg/L	0.0000078	0.51%
Se 196.026 At	-11.3	-0.002657	mg/L	0.0008839	-0.002657	mg/L	0.0008839	33.26%
Si 251.611 Rt	3122.9	2.25657	mg/L	0.007107	2.25657	mg/L	0.007107	0.31%
SIO2 251.611 Rt	3122.9	4.82905	mg/L	0.015210	4.82905	mg/L	0.015210	0.31%
Sn 189.927 At	2329.3	0.884587	mg/L	0.0061510	0.884587	mg/L	0.0061510	0.70%
Sr 421.552 Rt	19478.6	0.024053	mg/L	0.0000090	0.024053	mg/L	0.0000090	0.04%
Ti 336.121 At	66034.8	0.240844	mg/L	0.0004486	0.240844	mg/L	0.0004486	0.19%
Tl 190.801 At	-10.8	0.001398	mg/L	0.0015129	0.001398	mg/L	0.0015129	108.21%

V 292.402 At	3430.9	0.030713 mg/L	0.0002679	0.030713 mg/L	0.0002679	0.87%
Zn 206.200 At	22849.8	2.28636 mg/L	0.002394	2.28636 mg/L	0.002394	0.10%

Sequence No.: 2
Sample ID: ME2QR6 3X
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 5/20/2009 12:36:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR6 3X

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	183034.3	183034.3	105.467	%			12:37:55
1	Al 308.215 Rt	26048.2	24645.1	25.3091	mg/L	25.3091	mg/L	12:37:55
1	B 249.677 Rt	74.4	63.3	0.034540	mg/L	0.034540	mg/L	12:38:15
1	Be 313.107 Rt	393.2	273.0	0.001962	mg/L	0.001962	mg/L	12:38:15
1	Ca 315.887 Rt	207692.4	196982.1	53.2385	mg/L	53.2385	mg/L	12:37:55
1	Fe 273.955 Rt	163832.5	155321.2	174.256	mg/L	174.256	mg/L	12:37:55
1	K 766.490 Rt	8045.4	7319.9	2.79893	mg/L	2.79893	mg/L	12:38:15
1	Li 670.784 Rt	2654.0	2411.8	0.025872	mg/L	0.025872	mg/L	12:38:15
1	Mg 279.077 Rt	12743.9	12080.3	23.1047	mg/L	23.1047	mg/L	12:38:15
1	Mn 260.568 Rt	33483.1	31726.7	2.29715	mg/L	2.29715	mg/L	12:38:15
1	Na 589.592 Rt	5544.3	5176.8	0.656435	mg/L	0.656435	mg/L	12:38:15
1	Si 251.611 Rt	6005.5	5648.9	4.08053	mg/L	4.08053	mg/L	12:38:15
1	SIO2 251.611 Rt	6005.5	5648.9	8.73234	mg/L	8.73234	mg/L	12:38:15
1	Sr 421.552 Rt	109105.9	103259.2	0.127511	mg/L	0.127511	mg/L	12:37:55
1	Lu 261.542 A	2644100.3	2644100.3	109.062	%			12:39:00
1	Ag 328.068 At	-50.4	306.2	0.009099	mg/L	0.009099	mg/L	12:39:10
1	As 188.979 At	22.0	28.8	0.031035	mg/L	0.031035	mg/L	12:39:30
1	Ba 233.527 At	22902.1	21053.0	0.483244	mg/L	0.483244	mg/L	12:39:10
1	Bi 222.821 At	121.8	77.4	-0.077646	mg/L	-0.077646	mg/L	12:39:30
1	Cd 226.502 At	1483.4	1417.1	-0.004794	mg/L	-0.004794	mg/L	12:39:10
1	Co 228.616 At	271.7	336.0	0.016976	mg/L	0.016976	mg/L	12:39:30
1	Cr 267.716 At	48314.3	44136.8	1.12009	mg/L	1.12009	mg/L	12:39:10
1	Cu 324.752 At	117854.2	105501.9	0.586906	mg/L	0.586906	mg/L	12:39:00
1	Ga 417.206 At	4623.4	4314.6	0.009964	mg/L	0.009964	mg/L	12:39:10
1	La 379.478 At	13917.8	13226.4	0.067086	mg/L	0.067086	mg/L	12:39:00
1	Mo 202.031 At	266.7	214.4	0.025728	mg/L	0.025728	mg/L	12:39:30
1	Ni 232.003 At	1960.2	1883.1	0.319213	mg/L	0.319213	mg/L	12:39:10
1	P 213.617 At	6980.2	6466.7	3.81976	mg/L	3.81976	mg/L	12:39:10
1	Pb 220.353 At	5319.5	4835.2	1.22922	mg/L	1.22922	mg/L	12:39:30
1	Sb 206.836 At	36.5	43.8	0.009755	mg/L	0.009755	mg/L	12:39:30
1	Sc 361.383 At	5087.8	4658.5	0.003971	mg/L	0.003971	mg/L	12:39:10
1	Se 196.026 At	-33.9	-5.4	0.006432	mg/L	0.006432	mg/L	12:39:30
1	Sn 189.927 At	1951.8	1817.9	0.690373	mg/L	0.690373	mg/L	12:39:30
1	Ti 336.121 At	164308.5	151087.7	0.550446	mg/L	0.550446	mg/L	12:39:00
1	Tl 190.801 At	-18.9	-9.2	0.004601	mg/L	0.004601	mg/L	12:39:30
1	V 292.402 At	7653.4	7314.6	0.077410	mg/L	0.077410	mg/L	12:39:10
1	Zn 206.200 At	52468.8	48084.4	4.81184	mg/L	4.81184	mg/L	12:39:10
2	Lu 261.542 R	182653.4	182653.4	105.248	%			12:38:25
2	Al 308.215 Rt	25860.0	24517.8	25.1784	mg/L	25.1784	mg/L	12:38:25
2	B 249.677 Rt	73.8	62.8	0.034317	mg/L	0.034317	mg/L	12:38:45
2	Be 313.107 Rt	382.0	263.2	0.001894	mg/L	0.001894	mg/L	12:38:45
2	Ca 315.887 Rt	207665.4	197367.2	53.3425	mg/L	53.3425	mg/L	12:38:25
2	Fe 273.955 Rt	163299.4	155138.7	174.051	mg/L	174.051	mg/L	12:38:25
2	K 766.490 Rt	8081.6	7370.1	2.81814	mg/L	2.81814	mg/L	12:38:45
2	Li 670.784 Rt	2638.2	2402.0	0.025767	mg/L	0.025767	mg/L	12:38:45
2	Mg 279.077 Rt	12801.7	12160.5	23.2580	mg/L	23.2580	mg/L	12:38:45
2	Mn 260.568 Rt	33612.4	31915.8	2.31091	mg/L	2.31091	mg/L	12:38:45
2	Na 589.592 Rt	5581.7	5223.3	0.662333	mg/L	0.662333	mg/L	12:38:45
2	Si 251.611 Rt	6026.5	5680.7	4.10353	mg/L	4.10353	mg/L	12:38:45
2	SIO2 251.611 Rt	6026.5	5680.7	8.78156	mg/L	8.78156	mg/L	12:38:45
2	Sr 421.552 Rt	108524.8	102922.8	0.127095	mg/L	0.127095	mg/L	12:38:25
2	Lu 261.542 A	2655464.3	2655464.3	109.531	%			12:39:43
2	Ag 328.068 At	-66.9	291.3	0.008968	mg/L	0.008968	mg/L	12:39:54
2	As 188.979 At	28.9	35.0	0.038022	mg/L	0.038022	mg/L	12:40:14
2	Ba 233.527 At	22933.4	20991.7	0.481837	mg/L	0.481837	mg/L	12:39:54
2	Bi 222.821 At	128.4	83.0	-0.072346	mg/L	-0.072346	mg/L	12:40:14
2	Cd 226.502 At	1478.6	1406.9	-0.005037	mg/L	-0.005037	mg/L	12:39:54
2	Co 228.616 At	278.9	341.5	0.017275	mg/L	0.017275	mg/L	12:40:14
2	Cr 267.716 At	48534.3	44148.0	1.12037	mg/L	1.12037	mg/L	12:39:54
2	Cu 324.752 At	118231.9	105384.3	0.586250	mg/L	0.586250	mg/L	12:39:43

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Method: ILMO5 OPT5 Page 5 Date: 5/20/2009 12:40:16 PM

2	Ga 417.206 At	4586.7	4262.9	0.009388 mg/L	0.009388 mg/L	12:39:54
2	La 379.478 At	13999.2	13246.0	0.067186 mg/L	0.067186 mg/L	12:39:43
2	Mo 202.031 At	269.1	215.5	0.025848 mg/L	0.025848 mg/L	12:40:14
2	Ni 232.003 At	1931.5	1849.2	0.315794 mg/L	0.315794 mg/L	12:39:54
2	P 213.617 At	6984.5	6443.2	3.80610 mg/L	3.80610 mg/L	12:39:54
2	Pb 220.353 At	5330.3	4824.2	1.22641 mg/L	1.22641 mg/L	12:40:14
2	Sb 206.836 At	46.2	52.6	0.014767 mg/L	0.014767 mg/L	12:40:14
2	Sc 361.383 At	5061.9	4614.9	0.003933 mg/L	0.003933 mg/L	12:39:54
2	Se 196.026 At	-33.8	-5.2	0.006903 mg/L	0.006903 mg/L	12:40:14
2	Sn 189.927 At	1951.2	1809.6	0.687239 mg/L	0.687239 mg/L	12:40:14
2	Ti 336.121 At	165061.8	151130.7	0.550599 mg/L	0.550599 mg/L	12:39:43
2	Tl 190.801 At	-20.8	-10.9	0.002532 mg/L	0.002532 mg/L	12:40:14
2	V 292.402 At	7660.2	7290.8	0.077142 mg/L	0.077142 mg/L	12:39:54
2	Zn 206.200 At	52785.3	48167.5	4.82015 mg/L	4.82015 mg/L	12:39:54

Mean Data: ME2QR6 3X

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	182843.9	105.357	%	0.1552				0.15%
Lu 261.542 A	2649782.3	109.296	%	0.3314				0.30%
Ag 328.068 At	298.8	0.009033	mg/L	0.0000926	0.009033	mg/L	0.0000926	1.03%
Al 308.215 Rt	24581.5	25.2438	mg/L	0.09245	25.2438	mg/L	0.09245	0.37%
As 188.979 At	31.9	0.034528	mg/L	0.0049410	0.034528	mg/L	0.0049410	14.31%
B 249.677 Rt	63.1	0.034428	mg/L	0.0001572	0.034428	mg/L	0.0001572	0.46%
Ba 233.527 At	21022.3	0.482540	mg/L	0.0009949	0.482540	mg/L	0.0009949	0.21%
Be 313.107 Rt	268.1	0.001928	mg/L	0.0000485	0.001928	mg/L	0.0000485	2.52%
Bi 222.821 At	80.2	-0.074996	mg/L	0.0037471	-0.074996	mg/L	0.0037471	5.00%
Ca 315.887 Rt	197174.6	53.2905	mg/L	0.07359	53.2905	mg/L	0.07359	0.14%
Cd 226.502 At	1412.0	-0.004916	mg/L	0.0001720	-0.004916	mg/L	0.0001720	3.50%
Co 228.616 At	338.8	0.017126	mg/L	0.0002113	0.017126	mg/L	0.0002113	1.23%
Cr 267.716 At	44142.4	1.12023	mg/L	0.000201	1.12023	mg/L	0.000201	0.02%
Cu 324.752 At	105443.1	0.586578	mg/L	0.0004639	0.586578	mg/L	0.0004639	0.08%
Fe 273.955 Rt	155229.9	174.154	mg/L	0.1448	174.154	mg/L	0.1448	0.08%
Ga 417.206 At	4288.7	0.009676	mg/L	0.0004069	0.009676	mg/L	0.0004069	4.20%
K 766.490 Rt	7345.0	2.80853	mg/L	0.013586	2.80853	mg/L	0.013586	0.48%
La 379.478 At	13236.2	0.067136	mg/L	0.0000704	0.067136	mg/L	0.0000704	0.10%
Li 670.784 Rt	2406.9	0.025819	mg/L	0.0000744	0.025819	mg/L	0.0000744	0.29%
Mg 279.077 Rt	12120.4	23.1814	mg/L	0.10838	23.1814	mg/L	0.10838	0.47%
Mn 260.568 Rt	31821.2	2.30403	mg/L	0.009731	2.30403	mg/L	0.009731	0.42%
Mo 202.031 At	215.0	0.025788	mg/L	0.0000852	0.025788	mg/L	0.0000852	0.33%
Na 589.592 Rt	5200.0	0.659384	mg/L	0.0041708	0.659384	mg/L	0.0041708	0.63%
Ni 232.003 At	1866.1	0.317503	mg/L	0.0024178	0.317503	mg/L	0.0024178	0.76%
P 213.617 At	6455.0	3.81293	mg/L	0.009659	3.81293	mg/L	0.009659	0.25%
Pb 220.353 At	4829.7	1.22781	mg/L	0.001985	1.22781	mg/L	0.001985	0.16%
Sb 206.836 At	48.2	0.012261	mg/L	0.0035438	0.012261	mg/L	0.0035438	28.90%
Sc 361.383 At	4636.7	0.003952	mg/L	0.0000263	0.003952	mg/L	0.0000263	0.67%
Se 196.026 At	-5.3	0.006667	mg/L	0.0003335	0.006667	mg/L	0.0003335	5.00%
Si 251.611 Rt	5664.8	4.09203	mg/L	0.016265	4.09203	mg/L	0.016265	0.40%
SIO2 251.611 Rt	5664.8	8.75695	mg/L	0.034808	8.75695	mg/L	0.034808	0.40%
Sn 189.927 At	1813.7	0.688806	mg/L	0.0022160	0.688806	mg/L	0.0022160	0.32%
Sr 421.552 Rt	103091.0	0.127303	mg/L	0.0002937	0.127303	mg/L	0.0002937	0.23%
Ti 336.121 At	151109.2	0.550522	mg/L	0.0001081	0.550522	mg/L	0.0001081	0.02%
Tl 190.801 At	-10.1	0.003566	mg/L	0.0014631	0.003566	mg/L	0.0014631	41.03%
V 292.402 At	7302.7	0.077276	mg/L	0.0001893	0.077276	mg/L	0.0001893	0.25%
Zn 206.200 At	48126.0	4.81599	mg/L	0.005876	4.81599	mg/L	0.005876	0.12%

Method: ILMO5 OPT5 Page 6 Date: 5/20/2009 12:46:08 PM

Sequence No.: 3
Sample ID: ME2QR4 5X
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 5/20/2009 12:42:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR4 5X

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	184275.5	184275.5	106.182	%			12:43:50
1	Al 308.215 Rt	7409.7	6925.5	7.11165	mg/L	7.11165	mg/L	12:44:10
1	B 249.677 Rt	17.3	9.0	0.006357	mg/L	0.006357	mg/L	12:44:10
1	Be 313.107 Rt	226.4	113.5	0.000882	mg/L	0.000882	mg/L	12:44:10
1	Ca 315.887 Rt	30921.1	29176.7	7.88560	mg/L	7.88560	mg/L	12:43:50
1	Fe 273.955 Rt	166535.0	156820.1	175.941	mg/L	175.941	mg/L	12:43:50
1	K 766.490 Rt	16329.0	15069.7	5.76228	mg/L	5.76228	mg/L	12:43:50
1	Li 670.784 Rt	531.1	395.5	0.004243	mg/L	0.004243	mg/L	12:44:10
1	Mg 279.077 Rt	1787.9	1680.9	3.21478	mg/L	3.21478	mg/L	12:44:10
1	Mn 260.568 Rt	21363.4	20098.8	1.45148	mg/L	1.45148	mg/L	12:44:10
1	Na 589.592 Rt	50858.1	47816.8	6.06337	mg/L	6.06337	mg/L	12:43:50
1	Si 251.611 Rt	3300.8	3063.3	2.21408	mg/L	2.21408	mg/L	12:44:10
1	SIO2 251.611 Rt	3300.8	3063.3	4.73814	mg/L	4.73814	mg/L	12:44:10
1	Sr 421.552 Rt	18540.2	17269.7	0.021326	mg/L	0.021326	mg/L	12:43:50
1	Lu 261.542 A	2677045.3	2677045.3	110.421	%			12:44:54
1	Ag 328.068 At	-608.7	-198.8	0.005817	mg/L	0.005817	mg/L	12:45:05
1	As 188.979 At	25.6	31.7	0.033559	mg/L	0.033559	mg/L	12:45:25
1	Ba 233.527 At	4113.7	3779.3	0.086750	mg/L	0.086750	mg/L	12:45:05
1	Bi 222.821 At	110.2	65.5	-0.094729	mg/L	-0.094729	mg/L	12:45:25
1	Cd 226.502 At	1438.7	1359.9	-0.007084	mg/L	-0.007084	mg/L	12:45:05
1	Co 228.616 At	128.8	203.5	0.010630	mg/L	0.010630	mg/L	12:45:25
1	Cr 267.716 At	50096.0	45205.2	1.14742	mg/L	1.14742	mg/L	12:45:05
1	Cu 324.752 At	43220.5	36581.9	0.203351	mg/L	0.203351	mg/L	12:45:05
1	Ga 417.206 At	3708.0	3433.4	0.000418	mg/L	0.000418	mg/L	12:45:05
1	La 379.478 At	8497.7	8160.7	0.041392	mg/L	0.041392	mg/L	12:44:54
1	Mo 202.031 At	191.9	143.6	0.018857	mg/L	0.018857	mg/L	12:45:25
1	Ni 232.003 At	-50.2	40.3	0.142032	mg/L	0.142032	mg/L	12:45:05
1	P 213.617 At	3495.3	3231.9	1.94274	mg/L	1.94274	mg/L	12:45:25
1	Pb 220.353 At	3552.4	3174.8	0.802705	mg/L	0.802705	mg/L	12:45:25
1	Sb 206.836 At	31.2	38.6	0.006409	mg/L	0.006409	mg/L	12:45:25
1	Sc 361.383 At	1618.9	1459.6	0.001244	mg/L	0.001244	mg/L	12:45:05
1	Se 196.026 At	-39.9	-10.5	-0.001785	mg/L	-0.001785	mg/L	12:45:25
1	Sn 189.927 At	2632.2	2411.9	0.915992	mg/L	0.915992	mg/L	12:45:25
1	Ti 336.121 At	55801.7	50967.1	0.185868	mg/L	0.185868	mg/L	12:45:05
1	Tl 190.801 At	-17.2	-7.5	0.004584	mg/L	0.004584	mg/L	12:45:25
1	V 292.402 At	3310.1	3294.8	0.029693	mg/L	0.029693	mg/L	12:45:05
1	Zn 206.200 At	25841.3	23377.8	2.33923	mg/L	2.33923	mg/L	12:45:05
2	Lu 261.542 R	182691.7	182691.7	105.270	%			12:44:21
2	Al 308.215 Rt	7452.6	7026.7	7.21566	mg/L	7.21566	mg/L	12:44:41
2	B 249.677 Rt	18.6	10.4	0.007068	mg/L	0.007068	mg/L	12:44:41
2	Be 313.107 Rt	228.4	117.3	0.000908	mg/L	0.000908	mg/L	12:44:41
2	Ca 315.887 Rt	30683.9	29203.8	7.89294	mg/L	7.89294	mg/L	12:44:21
2	Fe 273.955 Rt	165210.0	156921.1	176.054	mg/L	176.054	mg/L	12:44:21
2	K 766.490 Rt	16107.5	14992.7	5.73281	mg/L	5.73281	mg/L	12:44:21
2	Li 670.784 Rt	512.7	382.4	0.004102	mg/L	0.004102	mg/L	12:44:41
2	Mg 279.077 Rt	1790.4	1697.9	3.24739	mg/L	3.24739	mg/L	12:44:41
2	Mn 260.568 Rt	21462.8	20367.7	1.47104	mg/L	1.47104	mg/L	12:44:41
2	Na 589.592 Rt	50406.3	47802.8	6.06160	mg/L	6.06160	mg/L	12:44:21
2	Si 251.611 Rt	3312.2	3101.1	2.24146	mg/L	2.24146	mg/L	12:44:41
2	SIO2 251.611 Rt	3312.2	3101.1	4.79673	mg/L	4.79673	mg/L	12:44:41
2	Sr 421.552 Rt	18338.7	17229.7	0.021276	mg/L	0.021276	mg/L	12:44:21
2	Lu 261.542 A	2685306.0	2685306.0	110.762	%			12:45:37
2	Ag 328.068 At	-620.9	-208.2	0.005745	mg/L	0.005745	mg/L	12:45:47
2	As 188.979 At	29.1	34.8	0.037062	mg/L	0.037062	mg/L	12:46:07
2	Ba 233.527 At	4084.3	3741.3	0.085877	mg/L	0.085877	mg/L	12:45:47
2	Bi 222.821 At	120.0	74.0	-0.086806	mg/L	-0.086806	mg/L	12:46:07
2	Cd 226.502 At	1447.6	1363.9	-0.006994	mg/L	-0.006994	mg/L	12:45:47
2	Co 228.616 At	138.3	211.8	0.011083	mg/L	0.011083	mg/L	12:46:07
2	Cr 267.716 At	50022.9	44999.6	1.14220	mg/L	1.14220	mg/L	12:45:47
2	Cu 324.752 At	43002.2	36264.4	0.201581	mg/L	0.201581	mg/L	12:45:47

Method: ILMO5 OPT5 Page 7 Date: 5/20/2009 12:46:10 PM

2	Ga 417.206 At	3720.8	3434.6	0.000410 mg/L	0.000410 mg/L	12:45:47
2	La 379.478 At	8499.1	8138.3	0.041279 mg/L	0.041279 mg/L	12:45:37
2	Mo 202.031 At	206.5	156.2	0.020372 mg/L	0.020372 mg/L	12:46:07
2	Ni 232.003 At	-21.7	66.1	0.144803 mg/L	0.144803 mg/L	12:45:47
2	P 213.617 At	3472.0	3201.1	1.92490 mg/L	1.92490 mg/L	12:46:07
2	Pb 220.353 At	3551.3	3163.9	0.799913 mg/L	0.799913 mg/L	12:46:07
2	Sb 206.836 At	29.7	37.2	0.005647 mg/L	0.005647 mg/L	12:46:07
2	Sc 361.383 At	1600.9	1438.8	0.001226 mg/L	0.001226 mg/L	12:45:47
2	Se 196.026 At	-40.2	-10.6	-0.001997 mg/L	-0.001997 mg/L	12:46:07
2	Sn 189.927 At	2633.4	2405.7	0.913623 mg/L	0.913623 mg/L	12:46:07
2	Ti 336.121 At	55669.0	50691.9	0.184863 mg/L	0.184863 mg/L	12:45:47
2	Tl 190.801 At	-18.6	-8.7	0.003149 mg/L	0.003149 mg/L	12:46:07
2	V 292.402 At	3269.6	3249.1	0.029143 mg/L	0.029143 mg/L	12:45:47
2	Zn 206.200 At	25750.0	23223.4	2.32377 mg/L	2.32377 mg/L	12:45:47

Mean Data: ME2QR4 5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	183483.6	105.726	%	0.6453				0.61%
Lu 261.542 A	2681175.7	110.591	%	0.2409				0.22%
Ag 328.068 At	-203.5	0.005781	mg/L	0.0000506	0.005781	mg/L	0.0000506	0.88%
Al 308.215 Rt	6976.1	7.16365	mg/L	0.073547	7.16365	mg/L	0.073547	1.03%
As 188.979 At	33.3	0.035311	mg/L	0.0024774	0.035311	mg/L	0.0024774	7.02%
B 249.677 Rt	9.7	0.006712	mg/L	0.0005029	0.006712	mg/L	0.0005029	7.49%
Ba 233.527 At	3760.3	0.086313	mg/L	0.0006173	0.086313	mg/L	0.0006173	0.72%
Be 313.107 Rt	115.4	0.000895	mg/L	0.0000182	0.000895	mg/L	0.0000182	2.04%
Bi 222.821 At	69.8	-0.090767	mg/L	0.0056023	-0.090767	mg/L	0.0056023	6.17%
Ca 315.887 Rt	29190.3	7.88927	mg/L	0.005183	7.88927	mg/L	0.005183	0.07%
Cd 226.502 At	1361.9	-0.007039	mg/L	0.0000636	-0.007039	mg/L	0.0000636	0.90%
Co 228.616 At	207.6	0.010856	mg/L	0.0003202	0.010856	mg/L	0.0003202	2.95%
Cr 267.716 At	45102.4	1.14481	mg/L	0.003691	1.14481	mg/L	0.003691	0.32%
Cu 324.752 At	36423.1	0.202466	mg/L	0.0012519	0.202466	mg/L	0.0012519	0.62%
Fe 273.955 Rt	156870.6	175.997	mg/L	0.0801	175.997	mg/L	0.0801	0.05%
Ga 417.206 At	3434.0	0.000414	mg/L	0.0000057	0.000414	mg/L	0.0000057	1.37%
K 766.490 Rt	15031.2	5.74754	mg/L	0.020842	5.74754	mg/L	0.020842	0.36%
La 379.478 At	8149.5	0.041336	mg/L	0.0000802	0.041336	mg/L	0.0000802	0.19%
Li 670.784 Rt	388.9	0.004172	mg/L	0.0000998	0.004172	mg/L	0.0000998	2.39%
Mg 279.077 Rt	1689.4	3.23108	mg/L	0.023057	3.23108	mg/L	0.023057	0.71%
Mn 260.568 Rt	20233.3	1.46126	mg/L	0.013830	1.46126	mg/L	0.013830	0.95%
Mo 202.031 At	149.9	0.019614	mg/L	0.0010710	0.019614	mg/L	0.0010710	5.46%
Na 589.592 Rt	47809.8	6.06249	mg/L	0.001253	6.06249	mg/L	0.001253	0.02%
Ni 232.003 At	53.2	0.143418	mg/L	0.0019589	0.143418	mg/L	0.0019589	1.37%
P 213.617 At	3216.5	1.93382	mg/L	0.012615	1.93382	mg/L	0.012615	0.65%
Pb 220.353 At	3169.4	0.801309	mg/L	0.0019741	0.801309	mg/L	0.0019741	0.25%
Sb 206.836 At	37.9	0.006028	mg/L	0.0005386	0.006028	mg/L	0.0005386	8.94%
Sc 361.383 At	1449.2	0.001235	mg/L	0.0000125	0.001235	mg/L	0.0000125	1.01%
Se 196.026 At	-10.5	-0.001891	mg/L	0.0001505	-0.001891	mg/L	0.0001505	7.96%
Si 251.611 Rt	3082.2	2.22777	mg/L	0.019359	2.22777	mg/L	0.019359	0.87%
SIO2 251.611 Rt	3082.2	4.76743	mg/L	0.041428	4.76743	mg/L	0.041428	0.87%
Sn 189.927 At	2408.8	0.914807	mg/L	0.0016750	0.914807	mg/L	0.0016750	0.18%
Sr 421.552 Rt	17249.7	0.021301	mg/L	0.0000349	0.021301	mg/L	0.0000349	0.16%
Ti 336.121 At	50829.5	0.185366	mg/L	0.0007108	0.185366	mg/L	0.0007108	0.38%
Tl 190.801 At	-8.1	0.003866	mg/L	0.0010144	0.003866	mg/L	0.0010144	26.24%
V 292.402 At	3271.9	0.029418	mg/L	0.0003888	0.029418	mg/L	0.0003888	1.32%
Zn 206.200 At	23300.6	2.33150	mg/L	0.010931	2.33150	mg/L	0.010931	0.47%

Sequence No.: 4
Sample ID: ME2QR8A
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 5/20/2009 12:47:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8A

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	168539.9	168539.9	97.1152	%			12:49:51
1	Al 308.215 Rt	77184.4	79424.4	81.5670	mg/L	81.5670	mg/L	12:49:51
1	B 249.677 Rt	263.7	264.3	0.140629	mg/L	0.140629	mg/L	12:50:11
1	Be 313.107 Rt	1255.3	1192.9	0.008384	mg/L	0.008384	mg/L	12:50:11
1	Ca 315.887 Rt	1443595.4	1486533.1	401.766	mg/L	401.766	mg/L	12:49:51
1	Fe 273.955 Rt	108405.1	111606.6	125.190	mg/L	125.190	mg/L	12:49:51
1	K 766.490 Rt	21702.6	22038.8	8.42705	mg/L	8.42705	mg/L	12:49:51
1	Li 670.784 Rt	7363.4	7477.4	0.080213	mg/L	0.080213	mg/L	12:50:11
1	Mg 279.077 Rt	83043.6	85507.5	163.541	mg/L	163.541	mg/L	12:49:51
1	Mn 260.568 Rt	100940.8	103918.5	7.54939	mg/L	7.54939	mg/L	12:49:51
1	Na 589.592 Rt	23405.9	24021.0	3.04597	mg/L	3.04597	mg/L	12:49:51
1	Si 251.611 Rt	27375.6	28143.5	20.3440	mg/L	20.3440	mg/L	12:50:11
1	SIO2 251.611 Rt	27375.6	28143.5	43.5361	mg/L	43.5361	mg/L	12:50:11
1	Sr 421.552 Rt	515617.3	530742.7	0.655393	mg/L	0.655393	mg/L	12:49:51
1	Lu 261.542 A	2365317.3	2365317.3	97.5630	%			12:51:00
1	Ag 328.068 At	-284.7	60.6	0.004248	mg/L	0.004248	mg/L	12:51:11
1	As 188.979 At	20.1	29.2	0.033465	mg/L	0.033465	mg/L	12:51:31
1	Ba 233.527 At	33355.3	34242.3	0.785989	mg/L	0.785989	mg/L	12:51:11
1	Bi 222.821 At	133.0	102.0	-0.016432	mg/L	-0.016432	mg/L	12:51:11
1	Cd 226.502 At	995.6	1077.4	-0.001619	mg/L	-0.001619	mg/L	12:51:31
1	Co 228.616 At	495.4	594.6	0.028400	mg/L	0.028400	mg/L	12:51:31
1	Cr 267.716 At	81455.5	83327.1	2.11356	mg/L	2.11356	mg/L	12:51:11
1	Cu 324.752 At	606723.5	619319.2	3.44638	mg/L	3.44638	mg/L	12:51:00
1	Ga 417.206 At	3800.0	3970.2	0.012594	mg/L	0.012594	mg/L	12:51:11
1	La 379.478 At	23581.7	24635.8	0.124956	mg/L	0.124956	mg/L	12:51:11
1	Mo 202.031 At	288.2	265.2	0.017379	mg/L	0.017379	mg/L	12:51:31
1	Ni 232.003 At	1596.4	1721.9	0.237405	mg/L	0.237405	mg/L	12:51:11
1	P 213.617 At	2757.7	2893.0	1.64671	mg/L	1.64671	mg/L	12:51:11
1	Pb 220.353 At	5569.1	5665.9	1.44673	mg/L	1.44673	mg/L	12:51:31
1	Sb 206.836 At	277.1	294.4	0.144938	mg/L	0.144938	mg/L	12:51:31
1	Sc 361.383 At	15702.2	16087.9	0.013712	mg/L	0.013712	mg/L	12:51:11
1	Se 196.026 At	-30.0	-5.1	-0.019907	mg/L	-0.019907	mg/L	12:51:31
1	Sn 189.927 At	1561.0	1628.2	0.618352	mg/L	0.618352	mg/L	12:51:31
1	Ti 336.121 At	447400.7	459008.0	1.66821	mg/L	1.66821	mg/L	12:51:00
1	Tl 190.801 At	-24.8	-17.3	0.006206	mg/L	0.006206	mg/L	12:51:31
1	V 292.402 At	12315.5	12920.3	0.148573	mg/L	0.148573	mg/L	12:51:11
1	Zn 206.200 At	18595.9	19035.7	1.90435	mg/L	1.90435	mg/L	12:51:11
2	Lu 261.542 R	167921.5	167921.5	96.7589	%			12:50:26
2	Al 308.215 Rt	77147.5	79679.0	81.8285	mg/L	81.8285	mg/L	12:50:26
2	B 249.677 Rt	260.4	261.9	0.139334	mg/L	0.139334	mg/L	12:50:46
2	Be 313.107 Rt	1240.1	1181.9	0.008306	mg/L	0.008306	mg/L	12:50:46
2	Ca 315.887 Rt	1431499.4	1479506.2	399.867	mg/L	399.867	mg/L	12:50:26
2	Fe 273.955 Rt	107831.6	111425.0	124.987	mg/L	124.987	mg/L	12:50:26
2	K 766.490 Rt	21584.6	21999.1	8.41190	mg/L	8.41190	mg/L	12:50:26
2	Li 670.784 Rt	7298.9	7438.7	0.079797	mg/L	0.079797	mg/L	12:50:46
2	Mg 279.077 Rt	82590.2	85353.9	163.247	mg/L	163.247	mg/L	12:50:26
2	Mn 260.568 Rt	100502.1	103848.0	7.54428	mg/L	7.54428	mg/L	12:50:26
2	Na 589.592 Rt	23310.0	24010.6	3.04465	mg/L	3.04465	mg/L	12:50:26
2	Si 251.611 Rt	27445.5	28319.5	20.4714	mg/L	20.4714	mg/L	12:50:46
2	SIO2 251.611 Rt	27445.5	28319.5	43.8087	mg/L	43.8087	mg/L	12:50:46
2	Sr 421.552 Rt	513358.7	530363.7	0.654925	mg/L	0.654925	mg/L	12:50:26
2	Lu 261.542 A	2386931.5	2386931.5	98.4545	%			12:51:43
2	Ag 328.068 At	-275.9	72.2	0.004322	mg/L	0.004322	mg/L	12:51:53
2	As 188.979 At	20.1	29.0	0.033208	mg/L	0.033208	mg/L	12:52:14
2	Ba 233.527 At	33474.5	34053.8	0.781661	mg/L	0.781661	mg/L	12:51:53
2	Bi 222.821 At	125.9	93.5	-0.023711	mg/L	-0.023711	mg/L	12:51:53
2	Cd 226.502 At	987.3	1059.7	-0.002067	mg/L	-0.002067	mg/L	12:52:14
2	Co 228.616 At	490.6	585.2	0.027882	mg/L	0.027882	mg/L	12:52:14
2	Cr 267.716 At	81777.3	82897.9	2.10267	mg/L	2.10267	mg/L	12:51:53
2	Cu 324.752 At	613691.2	620765.0	3.45443	mg/L	3.45443	mg/L	12:51:43

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2	Ga 417.206 At	3803.2	3938.2	0.012251 mg/L	0.012251 mg/L	12:51:53
2	La 379.478 At	23425.0	24257.7	0.123039 mg/L	0.123039 mg/L	12:51:53
2	Mo 202.031 At	284.5	258.8	0.016544 mg/L	0.016544 mg/L	12:52:14
2	Ni 232.003 At	1609.0	1719.9	0.237352 mg/L	0.237352 mg/L	12:51:53
2	P 213.617 At	2772.1	2882.1	1.64002 mg/L	1.64002 mg/L	12:51:53
2	Pb 220.353 At	5546.2	5590.9	1.42751 mg/L	1.42751 mg/L	12:52:14
2	Sb 206.836 At	278.3	293.0	0.144244 mg/L	0.144244 mg/L	12:52:14
2	Sc 361.383 At	15743.5	15984.1	0.013624 mg/L	0.013624 mg/L	12:51:53
2	Se 196.026 At	-25.6	-0.4	-0.009742 mg/L	-0.009742 mg/L	12:52:14
2	Sn 189.927 At	1554.3	1606.9	0.610262 mg/L	0.610262 mg/L	12:52:14
2	Ti 336.121 At	451813.2	459337.3	1.66943 mg/L	1.66943 mg/L	12:51:43
2	Tl 190.801 At	-26.6	-18.9	0.004180 mg/L	0.004180 mg/L	12:52:14
2	V 292.402 At	12325.9	12816.5	0.147326 mg/L	0.147326 mg/L	12:51:53
2	Zn 206.200 At	18758.4	19028.1	1.90360 mg/L	1.90360 mg/L	12:51:53

Mean Data: ME2QR8A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	168230.7	96.9370	%	0.25197				0.26%
Lu 261.542 A	2376124.4	98.0087	%	0.63041				0.64%
Ag 328.068 At	66.4	0.004285	mg/L	0.0000523	0.004285	mg/L	0.0000523	1.22%
Al 308.215 Rt	79551.7	81.6978	mg/L	0.18490	81.6978	mg/L	0.18490	0.23%
As 188.979 At	29.1	0.033337	mg/L	0.0001815	0.033337	mg/L	0.0001815	0.54%
B 249.677 Rt	263.1	0.139981	mg/L	0.0009152	0.139981	mg/L	0.0009152	0.65%
Ba 233.527 At	34148.0	0.783825	mg/L	0.0030601	0.783825	mg/L	0.0030601	0.39%
Be 313.107 Rt	1187.4	0.008345	mg/L	0.0000552	0.008345	mg/L	0.0000552	0.66%
Bi 222.821 At	97.7	-0.020072	mg/L	0.0051477	-0.020072	mg/L	0.0051477	25.65%
Ca 315.887 Rt	1483019.7	400.817	mg/L	1.3429	400.817	mg/L	1.3429	0.34%
Cd 226.502 At	1068.6	-0.001843	mg/L	0.0003170	-0.001843	mg/L	0.0003170	17.20%
Co 228.616 At	589.9	0.028141	mg/L	0.0003661	0.028141	mg/L	0.0003661	1.30%
Cr 267.716 At	83112.5	2.10811	mg/L	0.007702	2.10811	mg/L	0.007702	0.37%
Cu 324.752 At	620042.1	3.45041	mg/L	0.005693	3.45041	mg/L	0.005693	0.16%
Fe 273.955 Rt	111515.8	125.089	mg/L	0.1441	125.089	mg/L	0.1441	0.12%
Ga 417.206 At	3954.2	0.012423	mg/L	0.0002425	0.012423	mg/L	0.0002425	1.95%
K 766.490 Rt	22019.0	8.41948	mg/L	0.010713	8.41948	mg/L	0.010713	0.13%
La 379.478 At	24446.8	0.123997	mg/L	0.0013559	0.123997	mg/L	0.0013559	1.09%
Li 670.784 Rt	7458.1	0.080005	mg/L	0.0002941	0.080005	mg/L	0.0002941	0.37%
Mg 279.077 Rt	85430.7	163.394	mg/L	0.2078	163.394	mg/L	0.2078	0.13%
Mn 260.568 Rt	103883.2	7.54684	mg/L	0.003614	7.54684	mg/L	0.003614	0.05%
Mo 202.031 At	262.0	0.016962	mg/L	0.0005903	0.016962	mg/L	0.0005903	3.48%
Na 589.592 Rt	24015.8	3.04531	mg/L	0.000932	3.04531	mg/L	0.000932	0.03%
Ni 232.003 At	1720.9	0.237378	mg/L	0.0000377	0.237378	mg/L	0.0000377	0.02%
P 213.617 At	2887.5	1.64336	mg/L	0.004728	1.64336	mg/L	0.004728	0.29%
Pb 220.353 At	5628.4	1.43712	mg/L	0.013590	1.43712	mg/L	0.013590	0.95%
Sb 206.836 At	293.7	0.144591	mg/L	0.0004909	0.144591	mg/L	0.0004909	0.34%
Sc 361.383 At	16036.0	0.013668	mg/L	0.0000626	0.013668	mg/L	0.0000626	0.46%
Se 196.026 At	-2.7	-0.014824	mg/L	0.0071873	-0.014824	mg/L	0.0071873	48.48%
Si 251.611 Rt	28231.5	20.4077	mg/L	0.09008	20.4077	mg/L	0.09008	0.44%
SIO2 251.611 Rt	28231.5	43.6724	mg/L	0.19277	43.6724	mg/L	0.19277	0.44%
Sn 189.927 At	1617.6	0.614307	mg/L	0.0057210	0.614307	mg/L	0.0057210	0.93%
Sr 421.552 Rt	530553.2	0.655159	mg/L	0.0003309	0.655159	mg/L	0.0003309	0.05%
Ti 336.121 At	459172.6	1.66882	mg/L	0.000866	1.66882	mg/L	0.000866	0.05%
Tl 190.801 At	-18.1	0.005193	mg/L	0.0014328	0.005193	mg/L	0.0014328	27.59%
V 292.402 At	12868.4	0.147950	mg/L	0.0008818	0.147950	mg/L	0.0008818	0.60%
Zn 206.200 At	19031.9	1.90398	mg/L	0.000531	1.90398	mg/L	0.000531	0.03%

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Sequence No.: 5
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2009 12:54:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	186436.9	186436.9	107.428	%			12:55:49
1	Al 308.215 Rt	92.2	33.0	0.033301	mg/L	0.033301	mg/L	12:56:09
1	B 249.677 Rt	17.3	8.9	0.004544	mg/L	0.004544	mg/L	12:56:09
1	Be 313.107 Rt	778.5	624.9	0.004369	mg/L	0.004369	mg/L	12:56:09
1	Ca 315.887 Rt	297.9	333.3	0.090074	mg/L	0.090074	mg/L	12:56:09
1	Fe 273.955 Rt	26.0	5.6	0.006087	mg/L	0.006087	mg/L	12:56:09
1	K 766.490 Rt	316.4	-14.0	-0.005341	mg/L	-0.005341	mg/L	12:55:49
1	Li 670.784 Rt	108.3	-3.9	-0.000042	mg/L	-0.000042	mg/L	12:55:49
1	Mg 279.077 Rt	2.0	-1.0	-0.001991	mg/L	-0.001991	mg/L	12:56:09
1	Mn 260.568 Rt	214.5	179.0	0.012998	mg/L	0.012998	mg/L	12:56:09
1	Na 589.592 Rt	101.8	14.6	0.001849	mg/L	0.001849	mg/L	12:55:49
1	Si 251.611 Rt	55.6	6.5	0.004701	mg/L	0.004701	mg/L	12:56:09
1	SIO2 251.611 Rt	55.6	6.5	0.010060	mg/L	0.010060	mg/L	12:56:09
1	Sr 421.552 Rt	675.6	437.9	0.000541	mg/L	0.000541	mg/L	12:55:49
1	Lu 261.542 A	2733685.2	2733685.2	112.757	%			12:56:53
1	Ag 328.068 At	876.4	1129.6	0.007913	mg/L	0.007913	mg/L	12:57:03
1	As 188.979 At	2.4	10.7	0.012019	mg/L	0.012019	mg/L	12:57:23
1	Ba 233.527 At	-56.1	4.1	0.000095	mg/L	0.000095	mg/L	12:57:23
1	Bi 222.821 At	36.8	-1.7	-0.001521	mg/L	-0.001521	mg/L	12:57:23
1	Cd 226.502 At	128.1	170.5	0.004949	mg/L	0.004949	mg/L	12:57:23
1	Co 228.616 At	838.2	830.3	0.045152	mg/L	0.045152	mg/L	12:57:23
1	Cr 267.716 At	602.8	371.5	0.009421	mg/L	0.009421	mg/L	12:57:23
1	Cu 324.752 At	9073.3	5487.1	0.030537	mg/L	0.030537	mg/L	12:57:03
1	Ga 417.206 At	-15.6	61.5	0.000740	mg/L	0.000740	mg/L	12:57:03
1	La 379.478 At	-449.5	66.4	0.000337	mg/L	0.000337	mg/L	12:57:03
1	Mo 202.031 At	32.4	-1.4	-0.000178	mg/L	-0.000178	mg/L	12:57:23
1	Ni 232.003 At	317.5	367.3	0.034830	mg/L	0.034830	mg/L	12:57:23
1	P 213.617 At	-63.6	10.1	0.005068	mg/L	0.005068	mg/L	12:57:23
1	Pb 220.353 At	72.0	21.5	0.005507	mg/L	0.005507	mg/L	12:57:23
1	Sb 206.836 At	104.5	103.1	0.058825	mg/L	0.058825	mg/L	12:57:23
1	Sc 361.383 At	14.3	6.2	0.000005	mg/L	0.000005	mg/L	12:57:03
1	Se 196.026 At	-9.0	17.7	0.038220	mg/L	0.038220	mg/L	12:57:23
1	Sn 189.927 At	-30.1	1.5	0.000571	mg/L	0.000571	mg/L	12:57:23
1	Ti 336.121 At	-627.8	-125.0	-0.000457	mg/L	-0.000457	mg/L	12:57:03
1	Tl 190.801 At	8.7	15.8	0.019586	mg/L	0.019586	mg/L	12:57:23
1	V 292.402 At	4277.4	4090.6	0.048672	mg/L	0.048672	mg/L	12:57:03
1	Zn 206.200 At	690.7	587.8	0.058818	mg/L	0.058818	mg/L	12:57:23
2	Lu 261.542 R	185398.9	185398.9	106.830	%			12:56:19
2	Al 308.215 Rt	91.6	32.9	0.033204	mg/L	0.033204	mg/L	12:56:40
2	B 249.677 Rt	21.5	12.9	0.006620	mg/L	0.006620	mg/L	12:56:40
2	Be 313.107 Rt	776.7	627.3	0.004386	mg/L	0.004386	mg/L	12:56:40
2	Ca 315.887 Rt	296.2	333.2	0.090051	mg/L	0.090051	mg/L	12:56:40
2	Fe 273.955 Rt	24.9	4.7	0.005050	mg/L	0.005050	mg/L	12:56:40
2	K 766.490 Rt	321.9	-7.2	-0.002741	mg/L	-0.002741	mg/L	12:56:19
2	Li 670.784 Rt	78.5	-31.2	-0.000335	mg/L	-0.000335	mg/L	12:56:19
2	Mg 279.077 Rt	2.9	-0.2	-0.000292	mg/L	-0.000292	mg/L	12:56:40
2	Mn 260.568 Rt	209.0	175.0	0.012707	mg/L	0.012707	mg/L	12:56:40
2	Na 589.592 Rt	101.7	15.1	0.001908	mg/L	0.001908	mg/L	12:56:19
2	Si 251.611 Rt	52.8	4.1	0.002978	mg/L	0.002978	mg/L	12:56:40
2	SIO2 251.611 Rt	52.8	4.1	0.006374	mg/L	0.006374	mg/L	12:56:40
2	Sr 421.552 Rt	650.9	418.3	0.000517	mg/L	0.000517	mg/L	12:56:19
2	Lu 261.542 A	2726070.7	2726070.7	112.443	%			12:57:34
2	Ag 328.068 At	859.4	1116.7	0.007826	mg/L	0.007826	mg/L	12:57:45
2	As 188.979 At	0.6	9.1	0.010293	mg/L	0.010293	mg/L	12:58:05
2	Ba 233.527 At	-55.9	4.1	0.000095	mg/L	0.000095	mg/L	12:58:05
2	Bi 222.821 At	40.9	2.1	0.002013	mg/L	0.002013	mg/L	12:58:05
2	Cd 226.502 At	129.8	172.4	0.005003	mg/L	0.005003	mg/L	12:58:05
2	Co 228.616 At	851.0	843.8	0.045887	mg/L	0.045887	mg/L	12:58:05
2	Cr 267.716 At	604.1	374.2	0.009488	mg/L	0.009488	mg/L	12:58:05
2	Cu 324.752 At	8952.6	5402.2	0.030064	mg/L	0.030064	mg/L	12:57:45

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2	Ga 417.206 At	10.9	85.0	0.001022 mg/L	0.001022 mg/L	12:57:45
2	La 379.478 At	-447.5	67.0	0.000340 mg/L	0.000340 mg/L	12:57:45
2	Mo 202.031 At	34.1	0.1	0.000011 mg/L	0.000011 mg/L	12:58:05
2	Ni 232.003 At	310.2	361.6	0.034281 mg/L	0.034281 mg/L	12:58:05
2	P 213.617 At	-66.1	7.7	0.003702 mg/L	0.003702 mg/L	12:58:05
2	Pb 220.353 At	73.8	23.3	0.005959 mg/L	0.005959 mg/L	12:58:05
2	Sb 206.836 At	104.8	103.6	0.059113 mg/L	0.059113 mg/L	12:58:05
2	Sc 361.383 At	16.2	7.9	0.000007 mg/L	0.000007 mg/L	12:57:45
2	Se 196.026 At	-3.6	22.5	0.048543 mg/L	0.048543 mg/L	12:58:05
2	Sn 189.927 At	-32.2	-0.5	-0.000177 mg/L	-0.000177 mg/L	12:58:05
2	Ti 336.121 At	-618.0	-117.9	-0.000431 mg/L	-0.000431 mg/L	12:57:45
2	Tl 190.801 At	11.6	18.4	0.022786 mg/L	0.022786 mg/L	12:58:05
2	V 292.402 At	4257.1	4083.1	0.048584 mg/L	0.048584 mg/L	12:57:45
2	Zn 206.200 At	695.0	593.3	0.059365 mg/L	0.059365 mg/L	12:58:05

Mean Data: CRI

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	185917.9	107.129	%	0.4229				0.39%
Lu 261.542 A	2729878.0	112.600	%	0.2221				0.20%
Ag 328.068 At	1123.2	0.007870	mg/L	0.0000616	0.007870	mg/L	0.0000616	0.78%
QC value within limits for Ag 328.068 A Recovery = 78.70%								
Al 308.215 Rt	33.0	0.033253	mg/L	0.0000682	0.033253	mg/L	0.0000682	0.21%
As 188.979 At	9.9	0.011156	mg/L	0.0012204	0.011156	mg/L	0.0012204	10.94%
QC value within limits for As 188.979 A Recovery = 111.56%								
B 249.677 Rt	10.9	0.005582	mg/L	0.0014680	0.005582	mg/L	0.0014680	26.30%
Ba 233.527 At	4.1	0.000095	mg/L	0.0000001	0.000095	mg/L	0.0000001	0.07%
Be 313.107 Rt	626.1	0.004377	mg/L	0.0000117	0.004377	mg/L	0.0000117	0.27%
QC value within limits for Be 313.107 R Recovery = 87.55%								
Bi 222.821 At	0.2	0.000246	mg/L	0.0024988	0.000246	mg/L	0.0024988	>999.9%
Ca 315.887 Rt	333.2	0.090063	mg/L	0.0000162	0.090063	mg/L	0.0000162	0.02%
Cd 226.502 At	171.4	0.004976	mg/L	0.0000380	0.004976	mg/L	0.0000380	0.76%
QC value within limits for Cd 226.502 A Recovery = 99.51%								
Co 228.616 At	837.0	0.045519	mg/L	0.0005191	0.045519	mg/L	0.0005191	1.14%
QC value within limits for Co 228.616 A Recovery = 91.04%								
Cr 267.716 At	372.8	0.009454	mg/L	0.0000471	0.009454	mg/L	0.0000471	0.50%
QC value within limits for Cr 267.716 A Recovery = 94.54%								
Cu 324.752 At	5444.6	0.030300	mg/L	0.0003343	0.030300	mg/L	0.0003343	1.10%
QC value within limits for Cu 324.752 A Recovery = 121.20%								
Fe 273.955 Rt	5.1	0.005568	mg/L	0.0007330	0.005568	mg/L	0.0007330	13.16%
Ga 417.206 At	73.2	0.000881	mg/L	0.0002000	0.000881	mg/L	0.0002000	22.70%
K 766.490 Rt	-10.6	-0.004041	mg/L	0.0018381	-0.004041	mg/L	0.0018381	45.48%
La 379.478 At	66.7	0.000338	mg/L	0.0000024	0.000338	mg/L	0.0000024	0.70%
Li 670.784 Rt	-17.6	-0.000188	mg/L	0.0002069	-0.000188	mg/L	0.0002069	109.79%
Mg 279.077 Rt	-0.6	-0.001142	mg/L	0.0012014	-0.001142	mg/L	0.0012014	105.24%
Mn 260.568 Rt	177.0	0.012853	mg/L	0.0002058	0.012853	mg/L	0.0002058	1.60%
QC value within limits for Mn 260.568 R Recovery = 85.68%								
Mo 202.031 At	-0.7	-0.000083	mg/L	0.0001337	-0.000083	mg/L	0.0001337	160.83%
Na 589.592 Rt	14.8	0.001879	mg/L	0.0000418	0.001879	mg/L	0.0000418	2.23%
Ni 232.003 At	364.4	0.034555	mg/L	0.0003883	0.034555	mg/L	0.0003883	1.12%
QC value within limits for Ni 232.003 A Recovery = 86.39%								
P 213.617 At	8.9	0.004385	mg/L	0.0009659	0.004385	mg/L	0.0009659	22.03%
Pb 220.353 At	22.4	0.005733	mg/L	0.0003198	0.005733	mg/L	0.0003198	5.58%
QC value within limits for Pb 220.353 A Recovery = 57.33%								
Sb 206.836 At	103.3	0.058969	mg/L	0.0002033	0.058969	mg/L	0.0002033	0.34%
QC value within limits for Sb 206.836 A Recovery = 98.28%								
Sc 361.383 At	7.0	0.000006	mg/L	0.0000010	0.000006	mg/L	0.0000010	17.03%
Se 196.026 At	20.1	0.043382	mg/L	0.0072999	0.043382	mg/L	0.0072999	16.83%
QC value within limits for Se 196.026 A Recovery = 123.95%								
Si 251.611 Rt	5.3	0.003840	mg/L	0.0012179	0.003840	mg/L	0.0012179	31.72%
SIO2 251.611 Rt	5.3	0.008217	mg/L	0.0026064	0.008217	mg/L	0.0026064	31.72%
Sn 189.927 At	0.5	0.000197	mg/L	0.0005289	0.000197	mg/L	0.0005289	269.04%
Sr 421.552 Rt	428.1	0.000529	mg/L	0.0000171	0.000529	mg/L	0.0000171	3.23%
Ti 336.121 At	-121.5	-0.000444	mg/L	0.0000184	-0.000444	mg/L	0.0000184	4.13%
Tl 190.801 At	17.1	0.021186	mg/L	0.0022631	0.021186	mg/L	0.0022631	10.68%
QC value within limits for Tl 190.801 A Recovery = 84.74%								
V 292.402 At	4086.9	0.048628	mg/L	0.0000618	0.048628	mg/L	0.0000618	0.13%
QC value within limits for V 292.402 A Recovery = 97.26%								
Zn 206.200 At	590.6	0.059092	mg/L	0.0003866	0.059092	mg/L	0.0003866	0.65%
QC value within limits for Zn 206.200 A Recovery = 98.49%								

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 12 Date: 5/20/2009 1:04:20 PM

Sequence No.: 6
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2009 12:59:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Rep1#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	183393.7	183393.7	105.674	%			13:01:42
1	Al 308.215 Rt	238158.5	225317.7	231.414	mg/L	231.414	mg/L	13:01:42
1	B 249.677 Rt	-0.0	-7.3	-0.003735	mg/L	-0.003735	mg/L	13:02:12
1	Be 313.107 Rt	171.5	62.5	0.000441	mg/L	0.000441	mg/L	13:02:12
1	Ca 315.887 Rt	875461.7	828509.6	223.922	mg/L	223.922	mg/L	13:01:42
1	Fe 273.955 Rt	83408.9	78911.6	88.5117	mg/L	88.5117	mg/L	13:01:52
1	K 766.490 Rt	296.9	-27.6	-0.010551	mg/L	-0.010551	mg/L	13:01:52
1	Li 670.784 Rt	131.7	19.9	0.000214	mg/L	0.000214	mg/L	13:01:52
1	Mg 279.077 Rt	133986.8	126789.4	242.496	mg/L	242.496	mg/L	13:01:42
1	Mn 260.568 Rt	421.0	377.7	0.014216	mg/L	0.014216	mg/L	13:02:12
1	Na 589.592 Rt	6400.2	5976.4	0.757837	mg/L	0.757837	mg/L	13:01:52
1	Si 251.611 Rt	85.0	35.1	0.025305	mg/L	0.025305	mg/L	13:02:12
1	SIO2 251.611 Rt	85.0	35.1	0.054152	mg/L	0.054152	mg/L	13:02:12
1	Sr 421.552 Rt	70977.1	66975.0	0.082705	mg/L	0.082705	mg/L	13:01:52
1	Lu 261.542 A	2609279.7	2609279.7	107.626	%			13:03:07
1	Ag 328.068 At	-860.8	-447.4	0.000646	mg/L	0.000646	mg/L	13:03:17
1	As 188.979 At	-10.2	-0.9	-0.001759	mg/L	-0.001759	mg/L	13:03:37
1	Ba 233.527 At	195.2	235.2	0.005399	mg/L	0.005399	mg/L	13:03:37
1	Bi 222.821 At	69.1	29.9	-0.036500	mg/L	-0.036500	mg/L	13:03:37
1	Cd 226.502 At	614.3	627.7	-0.004868	mg/L	-0.004868	mg/L	13:03:37
1	Co 228.616 At	3.8	90.5	0.004917	mg/L	0.004917	mg/L	13:03:37
1	Cr 267.716 At	2025.0	1718.4	0.042147	mg/L	0.042147	mg/L	13:03:37
1	Cu 324.752 At	8648.9	5476.4	0.030475	mg/L	0.030475	mg/L	13:03:17
1	Ga 417.206 At	3841.0	3644.2	0.023627	mg/L	0.023627	mg/L	13:03:17
1	La 379.478 At	4292.4	4453.2	0.022587	mg/L	0.022587	mg/L	13:03:17
1	Mo 202.031 At	90.9	54.3	0.005126	mg/L	0.005126	mg/L	13:03:37
1	Ni 232.003 At	-580.8	-454.0	0.041328	mg/L	0.041328	mg/L	13:03:17
1	P 213.617 At	-42.0	27.5	0.047191	mg/L	0.047191	mg/L	13:03:37
1	Pb 220.353 At	47.9	2.2	0.005032	mg/L	0.005032	mg/L	13:03:37
1	Sb 206.836 At	-6.6	4.2	-0.000743	mg/L	-0.000743	mg/L	13:03:37
1	Sc 361.383 At	-645.5	-606.3	-0.000517	mg/L	-0.000517	mg/L	13:03:17
1	Se 196.026 At	-9.7	16.6	0.024202	mg/L	0.024202	mg/L	13:03:37
1	Sn 189.927 At	-69.9	-36.8	-0.013965	mg/L	-0.013965	mg/L	13:03:37
1	Ti 336.121 At	-163.8	279.5	-0.005904	mg/L	-0.005904	mg/L	13:03:17
1	Tl 190.801 At	-11.4	-2.5	0.001991	mg/L	0.001991	mg/L	13:03:37
1	V 292.402 At	43.8	337.8	-0.001720	mg/L	-0.001720	mg/L	13:03:17
1	Zn 206.200 At	362.5	312.1	0.031219	mg/L	0.031219	mg/L	13:03:37
2	Lu 261.542 R	184884.2	184884.2	106.533	%			13:02:23
2	Al 308.215 Rt	239953.2	225185.5	231.278	mg/L	231.278	mg/L	13:02:23
2	B 249.677 Rt	-2.0	-9.1	-0.004676	mg/L	-0.004676	mg/L	13:02:53
2	Be 313.107 Rt	171.0	60.7	0.000428	mg/L	0.000428	mg/L	13:02:53
2	Ca 315.887 Rt	876641.3	822938.0	222.416	mg/L	222.416	mg/L	13:02:23
2	Fe 273.955 Rt	82594.6	77511.0	86.9404	mg/L	86.9404	mg/L	13:02:33
2	K 766.490 Rt	292.0	-34.4	-0.013150	mg/L	-0.013150	mg/L	13:02:33
2	Li 670.784 Rt	100.4	-10.5	-0.000112	mg/L	-0.000112	mg/L	13:02:33
2	Mg 279.077 Rt	134097.9	125871.6	240.741	mg/L	240.741	mg/L	13:02:23
2	Mn 260.568 Rt	434.0	386.7	0.015026	mg/L	0.015026	mg/L	13:02:53
2	Na 589.592 Rt	6319.1	5851.5	0.741989	mg/L	0.741989	mg/L	13:02:33
2	Si 251.611 Rt	83.8	33.4	0.024053	mg/L	0.024053	mg/L	13:02:53
2	SIO2 251.611 Rt	83.8	33.4	0.051474	mg/L	0.051474	mg/L	13:02:53
2	Sr 421.552 Rt	70131.4	65639.7	0.081056	mg/L	0.081056	mg/L	13:02:33
2	Lu 261.542 A	2608767.7	2608767.7	107.605	%			13:03:48
2	Ag 328.068 At	-855.7	-442.8	0.000609	mg/L	0.000609	mg/L	13:03:59
2	As 188.979 At	-9.3	-0.0	-0.000830	mg/L	-0.000830	mg/L	13:04:19
2	Ba 233.527 At	196.5	236.5	0.005428	mg/L	0.005428	mg/L	13:04:19
2	Bi 222.821 At	66.4	27.4	-0.037726	mg/L	-0.037726	mg/L	13:04:19
2	Cd 226.502 At	611.9	625.6	-0.004514	mg/L	-0.004514	mg/L	13:04:19
2	Co 228.616 At	-3.7	83.4	0.004535	mg/L	0.004535	mg/L	13:04:19
2	Cr 267.716 At	2025.1	1718.9	0.042171	mg/L	0.042171	mg/L	13:04:19
2	Cu 324.752 At	8622.3	5453.3	0.030346	mg/L	0.030346	mg/L	13:03:59

Method: ILMO5 OPT5 Page 13 Date: 5/20/2009 1:04:20 PM

2	Ga 417.206 At	3762.2	3571.7	0.023113 mg/L	0.023113 mg/L	13:03:59
2	La 379.478 At	4203.5	4371.5	0.022173 mg/L	0.022173 mg/L	13:03:59
2	Mo 202.031 At	93.4	56.6	0.005395 mg/L	0.005395 mg/L	13:04:19
2	Ni 232.003 At	-606.7	-478.2	0.037490 mg/L	0.037490 mg/L	13:03:59
2	P 213.617 At	-34.8	34.1	0.050484 mg/L	0.050484 mg/L	13:04:19
2	Pb 220.353 At	47.8	2.1	0.005123 mg/L	0.005123 mg/L	13:04:19
2	Sb 206.836 At	7.2	17.1	0.006666 mg/L	0.006666 mg/L	13:04:19
2	Sc 361.383 At	-634.2	-595.9	-0.000508 mg/L	-0.000508 mg/L	13:03:59
2	Se 196.026 At	-8.7	17.5	0.026220 mg/L	0.026220 mg/L	13:04:19
2	Sn 189.927 At	-76.7	-43.0	-0.016347 mg/L	-0.016347 mg/L	13:04:19
2	Ti 336.121 At	-162.0	281.2	-0.005849 mg/L	-0.005849 mg/L	13:03:59
2	Tl 190.801 At	-12.8	-3.8	0.000334 mg/L	0.000334 mg/L	13:04:19
2	V 292.402 At	43.4	337.5	-0.001618 mg/L	-0.001618 mg/L	13:03:59
2	Zn 206.200 At	371.8	320.8	0.032087 mg/L	0.032087 mg/L	13:04:19

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	184138.9	106.104	%	0.6073				0.57%
Lu 261.542 A	2609023.7	107.615	%	0.0149				0.01%
Ag 328.068 At	-445.1	0.000628	mg/L	0.0000260	0.000628	mg/L	0.0000260	4.15%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	225251.6	231.346	mg/L	0.0960	231.346	mg/L	0.0960	0.04%
QC value within limits for Al 308.215 R Recovery = 94.78%								
As 188.979 At	-0.5	-0.001294	mg/L	0.0006567	-0.001294	mg/L	0.0006567	50.73%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-8.2	-0.004205	mg/L	0.0006659	-0.004205	mg/L	0.0006659	15.83%
Ba 233.527 At	235.8	0.005414	mg/L	0.0000211	0.005414	mg/L	0.0000211	0.39%
QC value within limits for Ba 233.527 A Recovery = 270.68%								
Be 313.107 Rt	61.6	0.000435	mg/L	0.0000089	0.000435	mg/L	0.0000089	2.04%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	28.6	-0.037113	mg/L	0.0008665	-0.037113	mg/L	0.0008665	2.33%
Ca 315.887 Rt	825723.8	223.169	mg/L	1.0648	223.169	mg/L	1.0648	0.48%
QC value within limits for Ca 315.887 R Recovery = 95.01%								
Cd 226.502 At	626.6	-0.004691	mg/L	0.0002506	-0.004691	mg/L	0.0002506	5.34%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	86.9	0.004726	mg/L	0.0002707	0.004726	mg/L	0.0002707	5.73%
QC value within limits for Co 228.616 A Recovery = 118.15%								
Cr 267.716 At	1718.7	0.042159	mg/L	0.0000167	0.042159	mg/L	0.0000167	0.04%
QC value within limits for Cr 267.716 A Recovery = 98.04%								
Cu 324.752 At	5464.8	0.030410	mg/L	0.0000911	0.030410	mg/L	0.0000911	0.30%
QC value within limits for Cu 324.752 A Recovery = 132.22%								
Fe 273.955 Rt	78211.3	87.7261	mg/L	1.11105	87.7261	mg/L	1.11105	1.27%
QC value within limits for Fe 273.955 R Recovery = 91.76%								
Ga 417.206 At	3607.9	0.023370	mg/L	0.0003632	0.023370	mg/L	0.0003632	1.55%
K 766.490 Rt	-31.0	-0.011851	mg/L	0.0018374	-0.011851	mg/L	0.0018374	15.50%
La 379.478 At	4412.3	0.022380	mg/L	0.0002933	0.022380	mg/L	0.0002933	1.31%
Li 670.784 Rt	4.7	0.000051	mg/L	0.0002306	0.000051	mg/L	0.0002306	455.42%
Mg 279.077 Rt	126330.5	241.618	mg/L	1.2413	241.618	mg/L	1.2413	0.51%
QC value within limits for Mg 279.077 R Recovery = 97.62%								
Mn 260.568 Rt	382.2	0.014621	mg/L	0.0005724	0.014621	mg/L	0.0005724	3.92%
QC value within limits for Mn 260.568 R Recovery = 76.95%								
Mo 202.031 At	55.5	0.005260	mg/L	0.0001900	0.005260	mg/L	0.0001900	3.61%
Na 589.592 Rt	5913.9	0.749913	mg/L	0.0112063	0.749913	mg/L	0.0112063	1.49%
Ni 232.003 At	-466.1	0.039409	mg/L	0.0027142	0.039409	mg/L	0.0027142	6.89%
QC value within limits for Ni 232.003 A Recovery = 187.66%								
P 213.617 At	30.8	0.048837	mg/L	0.0023284	0.048837	mg/L	0.0023284	4.77%
Pb 220.353 At	2.1	0.005078	mg/L	0.0000645	0.005078	mg/L	0.0000645	1.27%
QC value within limits for Pb 220.353 A Recovery = 50.78%								
Sb 206.836 At	10.7	0.002961	mg/L	0.0052390	0.002961	mg/L	0.0052390	176.90%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-601.1	-0.000512	mg/L	0.0000062	-0.000512	mg/L	0.0000062	1.22%
Se 196.026 At	17.1	0.025211	mg/L	0.0014269	0.025211	mg/L	0.0014269	5.66%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	34.3	0.024679	mg/L	0.0008846	0.024679	mg/L	0.0008846	3.58%
SIO2 251.611 Rt	34.3	0.052813	mg/L	0.0018931	0.052813	mg/L	0.0018931	3.58%
Sn 189.927 At	-39.9	-0.015156	mg/L	0.0016848	-0.015156	mg/L	0.0016848	11.12%
Sr 421.552 Rt	66307.3	0.081880	mg/L	0.0011659	0.081880	mg/L	0.0011659	1.42%
Ti 336.121 At	280.3	-0.005876	mg/L	0.0000390	-0.005876	mg/L	0.0000390	0.66%
Tl 190.801 At	-3.2	0.001162	mg/L	0.0011714	0.001162	mg/L	0.0011714	100.78%
QC value within limits for Tl 190.801 A Recovery = Not calculated								

V 292.402 At	337.6	-0.001669	mg/L	0.0000725	-0.001669	mg/L	0.0000725	4.35%
QC value within limits for V 292.402 A Recovery = -166.91%								
Zn 206.200 At	316.4	0.031653	mg/L	0.0006133	0.031653	mg/L	0.0006133	1.94%
QC value within limits for Zn 206.200 A Recovery = 113.05%								

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 15 Date: 5/20/2009 1:10:34 PM

Sequence No.: 7
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/20/2009 1:06:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	177471.0	177471.0	102.261	%			13:08:05
1	Al 308.215 Rt	234655.9	229413.9	235.615	mg/L	235.615	mg/L	13:07:55
1	B 249.677 Rt	12.5	5.0	0.002557	mg/L	0.002557	mg/L	13:08:26
1	Be 313.107 Rt	69023.6	67397.4	0.471163	mg/L	0.471163	mg/L	13:07:55
1	Ca 315.887 Rt	855612.2	836746.9	226.148	mg/L	226.148	mg/L	13:07:55
1	Fe 273.955 Rt	80351.9	78556.4	88.1109	mg/L	88.1109	mg/L	13:08:05
1	K 766.490 Rt	254.6	-59.5	-0.022766	mg/L	-0.022766	mg/L	13:08:05
1	Li 670.784 Rt	96.2	-10.7	-0.000114	mg/L	-0.000114	mg/L	13:08:05
1	Mg 279.077 Rt	130559.8	127669.6	244.179	mg/L	244.179	mg/L	13:07:55
1	Mn 260.568 Rt	6662.3	6494.3	0.459056	mg/L	0.459056	mg/L	13:08:26
1	Na 589.592 Rt	6187.1	5970.1	0.757038	mg/L	0.757038	mg/L	13:08:05
1	Si 251.611 Rt	92.9	45.6	0.032866	mg/L	0.032866	mg/L	13:08:26
1	SIO2 251.611 Rt	92.9	45.6	0.070334	mg/L	0.070334	mg/L	13:08:26
1	Sr 421.552 Rt	68811.8	67099.1	0.082858	mg/L	0.082858	mg/L	13:08:05
1	Lu 261.542 A	2573948.8	2573948.8	106.168	%			13:09:20
1	Ag 328.068 At	29494.8	28133.5	0.201158	mg/L	0.201158	mg/L	13:09:31
1	As 188.979 At	84.1	87.8	0.097375	mg/L	0.097375	mg/L	13:09:51
1	Ba 233.527 At	20068.2	18956.1	0.435112	mg/L	0.435112	mg/L	13:09:31
1	Bi 222.821 At	81.4	42.4	-0.032322	mg/L	-0.032322	mg/L	13:09:51
1	Cd 226.502 At	33712.6	31810.8	0.897216	mg/L	0.897216	mg/L	13:09:31
1	Co 228.616 At	8402.9	8001.6	0.435140	mg/L	0.435140	mg/L	13:09:31
1	Cr 267.716 At	21538.4	20124.0	0.509230	mg/L	0.509230	mg/L	13:09:31
1	Cu 324.752 At	102004.7	93518.4	0.520423	mg/L	0.520423	mg/L	13:09:20
1	Ga 417.206 At	3673.4	3535.2	0.022409	mg/L	0.022409	mg/L	13:09:31
1	La 379.478 At	4567.7	4767.4	0.024181	mg/L	0.024181	mg/L	13:09:31
1	Mo 202.031 At	90.5	55.1	0.005177	mg/L	0.005177	mg/L	13:09:51
1	Ni 232.003 At	10048.3	9550.2	0.983262	mg/L	0.983262	mg/L	13:09:31
1	P 213.617 At	-20.8	46.9	0.045546	mg/L	0.045546	mg/L	13:09:51
1	Pb 220.353 At	234.2	178.3	0.049866	mg/L	0.049866	mg/L	13:09:51
1	Sb 206.836 At	1066.2	1014.7	0.573474	mg/L	0.573474	mg/L	13:09:51
1	Sc 361.383 At	-650.1	-618.9	-0.000527	mg/L	-0.000527	mg/L	13:09:31
1	Se 196.026 At	10.5	35.6	0.064785	mg/L	0.064785	mg/L	13:09:51
1	Sn 189.927 At	-74.3	-41.8	-0.015861	mg/L	-0.015861	mg/L	13:09:51
1	Ti 336.121 At	-258.5	188.2	-0.006291	mg/L	-0.006291	mg/L	13:09:31
1	Tl 190.801 At	55.4	60.3	0.080313	mg/L	0.080313	mg/L	13:09:51
1	V 292.402 At	43329.8	41109.4	0.484134	mg/L	0.484134	mg/L	13:09:31
1	Zn 206.200 At	9557.2	8977.2	0.897658	mg/L	0.897658	mg/L	13:09:31
2	Lu 261.542 R	177350.3	177350.3	102.192	%			13:08:47
2	Al 308.215 Rt	233781.3	228714.1	234.896	mg/L	234.896	mg/L	13:08:37
2	B 249.677 Rt	11.2	3.7	0.001868	mg/L	0.001868	mg/L	13:09:07
2	Be 313.107 Rt	68952.0	67373.3	0.470994	mg/L	0.470994	mg/L	13:08:37
2	Ca 315.887 Rt	855004.0	836720.7	226.141	mg/L	226.141	mg/L	13:08:37
2	Fe 273.955 Rt	80136.2	78398.7	87.9341	mg/L	87.9341	mg/L	13:08:47
2	K 766.490 Rt	290.2	-24.6	-0.009397	mg/L	-0.009397	mg/L	13:08:47
2	Li 670.784 Rt	108.9	1.9	0.000020	mg/L	0.000020	mg/L	13:08:47
2	Mg 279.077 Rt	130619.6	127815.0	244.458	mg/L	244.458	mg/L	13:08:37
2	Mn 260.568 Rt	6687.5	6523.4	0.461180	mg/L	0.461180	mg/L	13:09:07
2	Na 589.592 Rt	6161.9	5949.6	0.754428	mg/L	0.754428	mg/L	13:08:47
2	Si 251.611 Rt	87.7	40.5	0.029192	mg/L	0.029192	mg/L	13:09:07
2	SIO2 251.611 Rt	87.7	40.5	0.062470	mg/L	0.062470	mg/L	13:09:07
2	Sr 421.552 Rt	68766.3	67100.4	0.082860	mg/L	0.082860	mg/L	13:08:47
2	Lu 261.542 A	2591403.1	2591403.1	106.888	%			13:10:03
2	Ag 328.068 At	29395.1	27853.2	0.199179	mg/L	0.199179	mg/L	13:10:13
2	As 188.979 At	85.1	88.2	0.097892	mg/L	0.097892	mg/L	13:10:33
2	Ba 233.527 At	20035.4	18798.0	0.431485	mg/L	0.431485	mg/L	13:10:13
2	Bi 222.821 At	86.7	46.8	-0.027904	mg/L	-0.027904	mg/L	13:10:33
2	Cd 226.502 At	33730.8	31613.9	0.891564	mg/L	0.891564	mg/L	13:10:13
2	Co 228.616 At	8398.3	7944.0	0.432008	mg/L	0.432008	mg/L	13:10:13
2	Cr 267.716 At	21468.8	19922.2	0.504108	mg/L	0.504108	mg/L	13:10:13
2	Cu 324.752 At	102601.9	93430.1	0.519931	mg/L	0.519931	mg/L	13:10:03

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2	Ga 417.206 At	3639.7	3480.5	0.021790 mg/L	0.021790 mg/L	13:10:13
2	La 379.478 At	4372.8	4556.0	0.023109 mg/L	0.023109 mg/L	13:10:13
2	Mo 202.031 At	94.4	58.2	0.005554 mg/L	0.005554 mg/L	13:10:33
2	Ni 232.003 At	10026.6	9466.2	0.975226 mg/L	0.975226 mg/L	13:10:13
2	P 213.617 At	-28.0	40.3	0.041644 mg/L	0.041644 mg/L	13:10:33
2	Pb 220.353 At	234.4	177.0	0.049491 mg/L	0.049491 mg/L	13:10:33
2	Sb 206.836 At	1062.3	1004.2	0.567542 mg/L	0.567542 mg/L	13:10:33
2	Sc 361.383 At	-630.5	-596.4	-0.000508 mg/L	-0.000508 mg/L	13:10:13
2	Se 196.026 At	12.5	37.3	0.068406 mg/L	0.068406 mg/L	13:10:33
2	Sn 189.927 At	-75.7	-42.6	-0.016182 mg/L	-0.016182 mg/L	13:10:33
2	Ti 336.121 At	-257.5	190.7	-0.006288 mg/L	-0.006288 mg/L	13:10:13
2	Tl 190.801 At	56.6	61.0	0.081210 mg/L	0.081210 mg/L	13:10:33
2	V 292.402 At	43091.9	40612.0	0.478222 mg/L	0.478222 mg/L	13:10:13
2	Zn 206.200 At	9566.1	8924.9	0.892430 mg/L	0.892430 mg/L	13:10:13

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	177410.7	102.227	%	0.0491				0.05%
Lu 261.542 A	2582675.9	106.528	%	0.5091				0.48%
Ag 328.068 At	27993.3	0.200168	mg/L	0.0013996	0.200168	mg/L	0.0013996	0.70%
QC value within limits for Ag 328.068 A Recovery = 97.17%								
Al 308.215 Rt	229064.0	235.256	mg/L	0.5082	235.256	mg/L	0.5082	0.22%
QC value within limits for Al 308.215 R Recovery = 97.58%								
As 188.979 At	88.0	0.097633	mg/L	0.0003657	0.097633	mg/L	0.0003657	0.37%
QC value within limits for As 188.979 A Recovery = 96.67%								
B 249.677 Rt	4.3	0.002213	mg/L	0.0004868	0.002213	mg/L	0.0004868	22.00%
Ba 233.527 At	18877.0	0.433298	mg/L	0.0025650	0.433298	mg/L	0.0025650	0.59%
QC value within limits for Ba 233.527 A Recovery = 87.54%								
Be 313.107 Rt	67385.4	0.471079	mg/L	0.0001194	0.471079	mg/L	0.0001194	0.03%
QC value within limits for Be 313.107 R Recovery = 99.17%								
Bi 222.821 At	44.6	-0.030113	mg/L	0.0031236	-0.030113	mg/L	0.0031236	10.37%
Ca 315.887 Rt	836733.8	226.145	mg/L	0.0050	226.145	mg/L	0.0050	0.00%
QC value within limits for Ca 315.887 R Recovery = 97.86%								
Cd 226.502 At	31712.3	0.894390	mg/L	0.0039963	0.894390	mg/L	0.0039963	0.45%
QC value within limits for Cd 226.502 A Recovery = 95.15%								
Co 228.616 At	7972.8	0.433574	mg/L	0.0022145	0.433574	mg/L	0.0022145	0.51%
QC value within limits for Co 228.616 A Recovery = 94.05%								
Cr 267.716 At	20023.1	0.506669	mg/L	0.0036220	0.506669	mg/L	0.0036220	0.71%
QC value within limits for Cr 267.716 A Recovery = 99.15%								
Cu 324.752 At	93474.3	0.520177	mg/L	0.0003479	0.520177	mg/L	0.0003479	0.07%
QC value within limits for Cu 324.752 A Recovery = 94.92%								
Fe 273.955 Rt	78477.5	88.0225	mg/L	0.12507	88.0225	mg/L	0.12507	0.14%
QC value within limits for Fe 273.955 R Recovery = 92.85%								
Ga 417.206 At	3507.8	0.022100	mg/L	0.0004374	0.022100	mg/L	0.0004374	1.98%
K 766.490 Rt	-42.1	-0.016081	mg/L	0.0094535	-0.016081	mg/L	0.0094535	58.79%
La 379.478 At	4661.7	0.023645	mg/L	0.0007581	0.023645	mg/L	0.0007581	3.21%
Li 670.784 Rt	-4.4	-0.000047	mg/L	0.0000951	-0.000047	mg/L	0.0000951	201.38%
Mg 279.077 Rt	127742.3	244.319	mg/L	0.1967	244.319	mg/L	0.1967	0.08%
QC value within limits for Mg 279.077 R Recovery = 97.30%								
Mn 260.568 Rt	6508.8	0.460118	mg/L	0.0015025	0.460118	mg/L	0.0015025	0.33%
QC value within limits for Mn 260.568 R Recovery = 91.66%								
Mo 202.031 At	56.6	0.005365	mg/L	0.0002666	0.005365	mg/L	0.0002666	4.97%
Na 589.592 Rt	5959.8	0.755733	mg/L	0.0018457	0.755733	mg/L	0.0018457	0.24%
Ni 232.003 At	9508.2	0.979244	mg/L	0.0056820	0.979244	mg/L	0.0056820	0.58%
QC value within limits for Ni 232.003 A Recovery = 99.52%								
P 213.617 At	43.6	0.043595	mg/L	0.0027597	0.043595	mg/L	0.0027597	6.33%
Pb 220.353 At	177.6	0.049678	mg/L	0.0002655	0.049678	mg/L	0.0002655	0.53%
QC value within limits for Pb 220.353 A Recovery = 81.44%								
Sb 206.836 At	1009.5	0.570508	mg/L	0.0041947	0.570508	mg/L	0.0041947	0.74%
QC value within limits for Sb 206.836 A Recovery = 96.86%								
Sc 361.383 At	-607.7	-0.000518	mg/L	0.0000135	-0.000518	mg/L	0.0000135	2.61%
Se 196.026 At	36.5	0.066595	mg/L	0.0025605	0.066595	mg/L	0.0025605	3.84%
QC value within limits for Se 196.026 A Recovery = 125.65%								
Si 251.611 Rt	43.0	0.031029	mg/L	0.0025983	0.031029	mg/L	0.0025983	8.37%
SIO2 251.611 Rt	43.0	0.066402	mg/L	0.0055603	0.066402	mg/L	0.0055603	8.37%
Sn 189.927 At	-42.2	-0.016022	mg/L	0.0002268	-0.016022	mg/L	0.0002268	1.42%
Sr 421.552 Rt	67099.7	0.082859	mg/L	0.0000011	0.082859	mg/L	0.0000011	0.00%
Ti 336.121 At	189.5	-0.006290	mg/L	0.0000026	-0.006290	mg/L	0.0000026	0.04%
Tl 190.801 At	60.6	0.080761	mg/L	0.0006341	0.080761	mg/L	0.0006341	0.79%
QC value within limits for Tl 190.801 A Recovery = 78.41%								

V 292.402 At	40860.7	0.481178	mg/L	0.0041803	0.481178	mg/L	0.0041803	0.87%
QC value within limits for V 292.402 A Recovery = 97.40%								
Zn 206.200 At	8951.0	0.895044	mg/L	0.0036968	0.895044	mg/L	0.0036968	0.41%
QC value within limits for Zn 206.200 A Recovery = 87.07%								

All analyte(s) passed QC.

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Sequence No.: 8
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 1:12:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	186076.4	186076.4	107.220	%			13:14:10
1	Al 308.215 Rt	2110.6	1915.7	1.91185	mg/L	1.91185	mg/L	13:14:30
1	B 249.677 Rt	3932.9	3660.8	1.90521	mg/L	1.90521	mg/L	13:14:30
1	Be 313.107 Rt	290998.1	271303.0	1.89646	mg/L	1.89646	mg/L	13:14:10
1	Ca 315.887 Rt	75108.6	70106.9	18.9478	mg/L	18.9478	mg/L	13:14:10
1	Fe 273.955 Rt	9026.4	8399.9	9.41551	mg/L	9.41551	mg/L	13:14:30
1	K 766.490 Rt	52835.8	48969.4	18.7246	mg/L	18.7246	mg/L	13:14:10
1	Li 670.784 Rt	120.1	7.3	0.000079	mg/L	0.000079	mg/L	13:14:30
1	Mg 279.077 Rt	10797.0	10067.0	19.2541	mg/L	19.2541	mg/L	13:14:30
1	Mn 260.568 Rt	27094.5	25249.3	1.83519	mg/L	1.83519	mg/L	13:14:30
1	Na 589.592 Rt	160596.4	149701.9	18.9828	mg/L	18.9828	mg/L	13:14:10
1	Si 251.611 Rt	1631.4	1476.2	1.01706	mg/L	1.01706	mg/L	13:14:30
1	SIO2 251.611 Rt	1631.4	1476.2	2.17651	mg/L	2.17651	mg/L	13:14:30
1	Sr 421.552 Rt	939.5	685.2	0.000846	mg/L	0.000846	mg/L	13:14:30
1	Lu 261.542 A	2690227.7	2690227.7	110.965	%			13:15:16
1	Ag 328.068 At	299965.6	270677.8	1.89753	mg/L	1.89753	mg/L	13:15:27
1	As 188.979 At	2030.6	1838.5	2.06828	mg/L	2.06828	mg/L	13:15:47
1	Ba 233.527 At	87893.2	79262.1	1.81936	mg/L	1.81936	mg/L	13:15:27
1	Bi 222.821 At	81.8	39.4	-0.005098	mg/L	-0.005098	mg/L	13:15:47
1	Cd 226.502 At	74453.2	67153.3	1.93961	mg/L	1.93961	mg/L	13:15:27
1	Co 228.616 At	37494.3	33876.3	1.83799	mg/L	1.83799	mg/L	13:15:27
1	Cr 267.716 At	86084.2	77415.0	1.96486	mg/L	1.96486	mg/L	13:15:27
1	Cu 324.752 At	364777.1	326173.0	1.81504	mg/L	1.81504	mg/L	13:15:16
1	Ga 417.206 At	871.4	860.6	0.001055	mg/L	0.001055	mg/L	13:15:27
1	La 379.478 At	961.6	1331.6	0.006754	mg/L	0.006754	mg/L	13:15:27
1	Mo 202.031 At	17640.5	15867.2	1.92276	mg/L	1.92276	mg/L	13:15:27
1	Ni 232.003 At	21497.2	19458.7	1.80404	mg/L	1.80404	mg/L	13:15:27
1	P 213.617 At	-29.1	40.3	-0.003623	mg/L	-0.003623	mg/L	13:15:47
1	Pb 220.353 At	8136.8	7290.5	1.86936	mg/L	1.86936	mg/L	13:15:47
1	Sb 206.836 At	3833.6	3465.2	1.97125	mg/L	1.97125	mg/L	13:15:47
1	Sc 361.383 At	-252.3	-233.9	-0.000199	mg/L	-0.000199	mg/L	13:15:47
1	Se 196.026 At	1122.7	1037.5	2.23861	mg/L	2.23861	mg/L	13:15:47
1	Sn 189.927 At	-45.2	-12.5	-0.004761	mg/L	-0.004761	mg/L	13:15:47
1	Ti 336.121 At	551943.5	497836.4	1.81629	mg/L	1.81629	mg/L	13:15:16
1	Tl 190.801 At	1543.7	1399.2	1.73802	mg/L	1.73802	mg/L	13:15:47
1	V 292.402 At	183484.4	165651.0	1.98601	mg/L	1.98601	mg/L	13:15:27
1	Zn 206.200 At	21609.9	19449.9	1.93893	mg/L	1.93893	mg/L	13:15:27
2	Lu 261.542 R	185807.7	185807.7	107.065	%			13:14:42
2	Al 308.215 Rt	2102.7	1911.2	1.90750	mg/L	1.90750	mg/L	13:15:02
2	B 249.677 Rt	3931.6	3664.9	1.90735	mg/L	1.90735	mg/L	13:15:02
2	Be 313.107 Rt	290408.7	271145.1	1.89536	mg/L	1.89536	mg/L	13:14:42
2	Ca 315.887 Rt	75327.7	70412.8	19.0305	mg/L	19.0305	mg/L	13:14:42
2	Fe 273.955 Rt	9032.2	8417.6	9.43538	mg/L	9.43538	mg/L	13:15:02
2	K 766.490 Rt	52654.9	48871.7	18.6873	mg/L	18.6873	mg/L	13:14:42
2	Li 670.784 Rt	134.7	21.2	0.000227	mg/L	0.000227	mg/L	13:15:02
2	Mg 279.077 Rt	10800.4	10084.8	19.2880	mg/L	19.2880	mg/L	13:15:02
2	Mn 260.568 Rt	27063.3	25256.8	1.83573	mg/L	1.83573	mg/L	13:15:02
2	Na 589.592 Rt	159731.1	149110.4	18.9078	mg/L	18.9078	mg/L	13:14:42
2	Si 251.611 Rt	1628.8	1476.0	1.01701	mg/L	1.01701	mg/L	13:15:02
2	SIO2 251.611 Rt	1628.8	1476.0	2.17640	mg/L	2.17640	mg/L	13:15:02
2	Sr 421.552 Rt	924.1	672.1	0.000830	mg/L	0.000830	mg/L	13:15:02
2	Lu 261.542 A	2709904.6	2709904.6	111.776	%			13:15:59
2	Ag 328.068 At	300415.7	269117.5	1.88657	mg/L	1.88657	mg/L	13:16:10
2	As 188.979 At	2045.3	1838.4	2.06817	mg/L	2.06817	mg/L	13:16:30
2	Ba 233.527 At	88176.7	78940.6	1.81198	mg/L	1.81198	mg/L	13:16:10
2	Bi 222.821 At	82.7	39.7	-0.004448	mg/L	-0.004448	mg/L	13:16:30
2	Cd 226.502 At	74576.4	66776.3	1.92871	mg/L	1.92871	mg/L	13:16:10
2	Co 228.616 At	37530.3	33663.2	1.82639	mg/L	1.82639	mg/L	13:16:10
2	Cr 267.716 At	86179.8	76937.2	1.95273	mg/L	1.95273	mg/L	13:16:10
2	Cu 324.752 At	368646.4	327247.6	1.82102	mg/L	1.82102	mg/L	13:15:59

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2	Ga 417.206 At	899.9	880.4	0.001282 mg/L	0.001282 mg/L	13:16:10
2	La 379.478 At	984.0	1345.3	0.006824 mg/L	0.006824 mg/L	13:16:10
2	Mo 202.031 At	17703.9	15808.5	1.91563 mg/L	1.91563 mg/L	13:16:10
2	Ni 232.003 At	21527.9	19345.5	1.79366 mg/L	1.79366 mg/L	13:16:10
2	P 213.617 At	-27.7	41.7	-0.002982 mg/L	-0.002982 mg/L	13:16:30
2	Pb 220.353 At	8136.8	7237.2	1.85567 mg/L	1.85567 mg/L	13:16:30
2	Sb 206.836 At	3850.9	3455.6	1.96583 mg/L	1.96583 mg/L	13:16:30
2	Sc 361.383 At	-254.9	-234.6	-0.000200 mg/L	-0.000200 mg/L	13:16:30
2	Se 196.026 At	1130.4	1037.0	2.23762 mg/L	2.23762 mg/L	13:16:30
2	Sn 189.927 At	-39.0	-6.7	-0.002546 mg/L	-0.002546 mg/L	13:16:30
2	Ti 336.121 At	556574.6	498367.9	1.81823 mg/L	1.81823 mg/L	13:15:59
2	Tl 190.801 At	1550.6	1395.3	1.73315 mg/L	1.73315 mg/L	13:16:30
2	V 292.402 At	183671.5	164617.7	1.97364 mg/L	1.97364 mg/L	13:16:10
2	Zn 206.200 At	21653.2	19347.2	1.92866 mg/L	1.92866 mg/L	13:16:10

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	185942.1	107.143	%	0.1095				0.10%
Lu 261.542 A	2700066.1	111.370	%	0.5739				0.52%
Ag 328.068 At	269897.7	1.89205	mg/L	0.007753	1.89205	mg/L	0.007753	0.41%
QC value within limits for Ag 328.068 A Recovery = 94.60%								
Al 308.215 Rt	1913.4	1.90968	mg/L	0.003079	1.90968	mg/L	0.003079	0.16%
QC value within limits for Al 308.215 R Recovery = 95.48%								
As 188.979 At	1838.5	2.06823	mg/L	0.000077	2.06823	mg/L	0.000077	0.00%
QC value within limits for As 188.979 A Recovery = 103.41%								
B 249.677 Rt	3662.9	1.90628	mg/L	0.001511	1.90628	mg/L	0.001511	0.08%
Ba 233.527 At	79101.4	1.81567	mg/L	0.005218	1.81567	mg/L	0.005218	0.29%
QC value within limits for Ba 233.527 A Recovery = 90.78%								
Be 313.107 Rt	271224.0	1.89591	mg/L	0.000781	1.89591	mg/L	0.000781	0.04%
QC value within limits for Be 313.107 R Recovery = 94.80%								
Bi 222.821 At	39.5	-0.004773	mg/L	0.0004598	-0.004773	mg/L	0.0004598	9.63%
Ca 315.887 Rt	70259.8	18.9892	mg/L	0.05847	18.9892	mg/L	0.05847	0.31%
QC value within limits for Ca 315.887 R Recovery = 94.95%								
Cd 226.502 At	66964.8	1.93416	mg/L	0.007712	1.93416	mg/L	0.007712	0.40%
QC value within limits for Cd 226.502 A Recovery = 96.71%								
Co 228.616 At	33769.7	1.83219	mg/L	0.008200	1.83219	mg/L	0.008200	0.45%
QC value within limits for Co 228.616 A Recovery = 91.61%								
Cr 267.716 At	77176.1	1.95879	mg/L	0.008577	1.95879	mg/L	0.008577	0.44%
QC value within limits for Cr 267.716 A Recovery = 97.94%								
Cu 324.752 At	326710.3	1.81803	mg/L	0.004233	1.81803	mg/L	0.004233	0.23%
QC value within limits for Cu 324.752 A Recovery = 90.90%								
Fe 273.955 Rt	8408.8	9.42545	mg/L	0.014048	9.42545	mg/L	0.014048	0.15%
QC value within limits for Fe 273.955 R Recovery = 94.25%								
Ga 417.206 At	870.5	0.001168	mg/L	0.0001601	0.001168	mg/L	0.0001601	13.70%
K 766.490 Rt	48920.5	18.7059	mg/L	0.02641	18.7059	mg/L	0.02641	0.14%
QC value within limits for K 766.490 R Recovery = 93.53%								
La 379.478 At	1338.4	0.006789	mg/L	0.0000492	0.006789	mg/L	0.0000492	0.72%
Li 670.784 Rt	14.2	0.000153	mg/L	0.0001048	0.000153	mg/L	0.0001048	68.54%
Mg 279.077 Rt	10075.9	19.2711	mg/L	0.02398	19.2711	mg/L	0.02398	0.12%
QC value within limits for Mg 279.077 R Recovery = 96.36%								
Mn 260.568 Rt	25253.1	1.83546	mg/L	0.000384	1.83546	mg/L	0.000384	0.02%
QC value within limits for Mn 260.568 R Recovery = 91.77%								
Mo 202.031 At	15837.9	1.91919	mg/L	0.005036	1.91919	mg/L	0.005036	0.26%
Na 589.592 Rt	149406.2	18.9453	mg/L	0.05304	18.9453	mg/L	0.05304	0.28%
QC value within limits for Na 589.592 R Recovery = 94.73%								
Ni 232.003 At	19402.1	1.79885	mg/L	0.007341	1.79885	mg/L	0.007341	0.41%
QC value within limits for Ni 232.003 A Recovery = 89.94%								
P 213.617 At	41.0	-0.003303	mg/L	0.0004537	-0.003303	mg/L	0.0004537	13.74%
Pb 220.353 At	7263.9	1.86251	mg/L	0.009680	1.86251	mg/L	0.009680	0.52%
QC value within limits for Pb 220.353 A Recovery = 93.13%								
Sb 206.836 At	3460.4	1.96854	mg/L	0.003833	1.96854	mg/L	0.003833	0.19%
QC value within limits for Sb 206.836 A Recovery = 98.43%								
Sc 361.383 At	-234.3	-0.000200	mg/L	0.0000004	-0.000200	mg/L	0.0000004	0.20%
Se 196.026 At	1037.2	2.23812	mg/L	0.000700	2.23812	mg/L	0.000700	0.03%
QC value greater than the upper limit for Se 196.026 A Recovery = 111.91%								
Si 251.611 Rt	1476.1	1.01703	mg/L	0.000038	1.01703	mg/L	0.000038	0.00%
SIO2 251.611 Rt	1476.1	2.17645	mg/L	0.000081	2.17645	mg/L	0.000081	0.00%
Sn 189.927 At	-9.6	-0.003654	mg/L	0.0015667	-0.003654	mg/L	0.0015667	42.88%
Sr 421.552 Rt	678.7	0.000838	mg/L	0.0000115	0.000838	mg/L	0.0000115	1.37%
Ti 336.121 At	498102.2	1.81726	mg/L	0.001370	1.81726	mg/L	0.001370	0.08%

Tl 190.801 At	1397.3	1.73558 mg/L	0.003445	1.73558 mg/L	0.003445	0.20%	
QC value less than the lower limit for Tl 190.801 A Recovery = 86.78%							
V 292.402 At	165134.4	1.97983 mg/L	0.008744	1.97983 mg/L	0.008744	0.44%	
QC value within limits for V 292.402 A Recovery = 98.99%							
Zn 206.200 At	19398.5	1.93379 mg/L	0.007257	1.93379 mg/L	0.007257	0.38%	
QC value within limits for Zn 206.200 A Recovery = 96.69%							
QC Failed. Continue with analysis.							

Sequence No.: 9
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 1:18:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	187224.9	187224.9	107.882	%			13:20:09
1	Al 308.215 Rt	57.5	0.5	0.000492	mg/L	0.000492	mg/L	13:20:29
1	B 249.677 Rt	15.0	6.6	0.003455	mg/L	0.003455	mg/L	13:20:29
1	Be 313.107 Rt	98.0	-8.9	-0.000062	mg/L	-0.000062	mg/L	13:20:29
1	Ca 315.887 Rt	-72.1	-10.9	-0.002951	mg/L	-0.002951	mg/L	13:20:29
1	Fe 273.955 Rt	14.7	-5.0	-0.005641	mg/L	-0.005641	mg/L	13:20:29
1	K 766.490 Rt	317.6	-14.1	-0.005390	mg/L	-0.005390	mg/L	13:20:09
1	Li 670.784 Rt	126.9	12.9	0.000139	mg/L	0.000139	mg/L	13:20:09
1	Mg 279.077 Rt	0.1	-2.9	-0.005468	mg/L	-0.005468	mg/L	13:20:29
1	Mn 260.568 Rt	3.4	-17.5	-0.001273	mg/L	-0.001273	mg/L	13:20:29
1	Na 589.592 Rt	65.6	-19.3	-0.002452	mg/L	-0.002452	mg/L	13:20:09
1	Si 251.611 Rt	43.9	-4.6	-0.003321	mg/L	-0.003321	mg/L	13:20:29
1	SIO2 251.611 Rt	43.9	-4.6	-0.007106	mg/L	-0.007106	mg/L	13:20:29
1	Sr 421.552 Rt	155.9	-46.5	-0.000057	mg/L	-0.000057	mg/L	13:20:09
1	Lu 261.542 A	2735010.5	2735010.5	112.812	%			13:21:12
1	Ag 328.068 At	-333.4	56.9	0.000401	mg/L	0.000401	mg/L	13:21:23
1	As 188.979 At	-10.6	-0.8	-0.000895	mg/L	-0.000895	mg/L	13:21:43
1	Ba 233.527 At	-64.5	-3.3	-0.000076	mg/L	-0.000076	mg/L	13:21:43
1	Bi 222.821 At	39.4	0.6	0.000624	mg/L	0.000624	mg/L	13:21:43
1	Cd 226.502 At	-63.7	0.5	0.000015	mg/L	0.000015	mg/L	13:21:43
1	Co 228.616 At	-107.0	-7.9	-0.000429	mg/L	-0.000429	mg/L	13:21:43
1	Cr 267.716 At	186.3	2.1	0.000053	mg/L	0.000053	mg/L	13:21:43
1	Cu 324.752 At	4396.8	1337.8	0.007446	mg/L	0.007446	mg/L	13:21:23
1	Ga 417.206 At	-91.3	-5.6	-0.000063	mg/L	-0.000063	mg/L	13:21:23
1	La 379.478 At	-447.9	68.0	0.000345	mg/L	0.000345	mg/L	13:21:23
1	Mo 202.031 At	48.9	13.2	0.001600	mg/L	0.001600	mg/L	13:21:43
1	Ni 232.003 At	-98.6	-1.7	-0.000173	mg/L	-0.000173	mg/L	13:21:43
1	P 213.617 At	-78.5	-3.1	-0.002054	mg/L	-0.002054	mg/L	13:21:43
1	Pb 220.353 At	36.5	-10.0	-0.002568	mg/L	-0.002568	mg/L	13:21:43
1	Sb 206.836 At	-8.3	3.1	0.001760	mg/L	0.001760	mg/L	13:21:43
1	Sc 361.383 At	2.0	-4.8	-0.000004	mg/L	-0.000004	mg/L	13:21:23
1	Se 196.026 At	-29.5	-0.5	-0.000980	mg/L	-0.000980	mg/L	13:21:43
1	Sn 189.927 At	-37.0	-4.6	-0.001764	mg/L	-0.001764	mg/L	13:21:43
1	Ti 336.121 At	-702.7	-191.2	-0.000698	mg/L	-0.000698	mg/L	13:21:23
1	Tl 190.801 At	-10.5	-1.3	-0.001563	mg/L	-0.001563	mg/L	13:21:43
1	V 292.402 At	-467.6	-117.4	-0.001384	mg/L	-0.001384	mg/L	13:21:23
1	Zn 206.200 At	23.0	-4.3	-0.000440	mg/L	-0.000440	mg/L	13:21:43
2	Lu 261.542 R	186945.9	186945.9	107.721	%			13:20:39
2	Al 308.215 Rt	58.7	1.7	0.001744	mg/L	0.001744	mg/L	13:20:59
2	B 249.677 Rt	8.4	0.5	0.000279	mg/L	0.000279	mg/L	13:20:59
2	Be 313.107 Rt	102.6	-4.5	-0.000031	mg/L	-0.000031	mg/L	13:20:59
2	Ca 315.887 Rt	-76.5	-15.1	-0.004075	mg/L	-0.004075	mg/L	13:20:59
2	Fe 273.955 Rt	15.0	-4.7	-0.005278	mg/L	-0.005278	mg/L	13:20:59
2	K 766.490 Rt	324.5	-7.3	-0.002788	mg/L	-0.002788	mg/L	13:20:39
2	Li 670.784 Rt	104.8	-7.5	-0.000080	mg/L	-0.000080	mg/L	13:20:39
2	Mg 279.077 Rt	-2.1	-4.8	-0.009224	mg/L	-0.009224	mg/L	13:20:59
2	Mn 260.568 Rt	4.8	-16.2	-0.001179	mg/L	-0.001179	mg/L	13:20:59
2	Na 589.592 Rt	65.3	-19.5	-0.002471	mg/L	-0.002471	mg/L	13:20:39
2	Si 251.611 Rt	45.0	-3.5	-0.002531	mg/L	-0.002531	mg/L	13:20:59
2	SIO2 251.611 Rt	45.0	-3.5	-0.005417	mg/L	-0.005417	mg/L	13:20:59
2	Sr 421.552 Rt	174.2	-29.2	-0.000036	mg/L	-0.000036	mg/L	13:20:39
2	Lu 261.542 A	2737113.5	2737113.5	112.899	%			13:21:54
2	Ag 328.068 At	-349.8	42.6	0.000305	mg/L	0.000305	mg/L	13:22:04
2	As 188.979 At	-12.7	-2.7	-0.003007	mg/L	-0.003007	mg/L	13:22:25
2	Ba 233.527 At	-62.4	-1.5	-0.000033	mg/L	-0.000033	mg/L	13:22:25
2	Bi 222.821 At	39.6	0.8	0.000795	mg/L	0.000795	mg/L	13:22:25
2	Cd 226.502 At	-63.4	0.8	0.000024	mg/L	0.000024	mg/L	13:22:25
2	Co 228.616 At	-104.9	-6.0	-0.000325	mg/L	-0.000325	mg/L	13:22:25
2	Cr 267.716 At	181.3	-2.5	-0.000063	mg/L	-0.000063	mg/L	13:22:25
2	Cu 324.752 At	4341.5	1285.8	0.007157	mg/L	0.007157	mg/L	13:22:04

2	Ga 417.206 At	-80.5	4.0	0.000052 mg/L	0.000052 mg/L	13:22:04
2	La 379.478 At	-467.4	51.0	0.000259 mg/L	0.000259 mg/L	13:22:04
2	Mo 202.031 At	43.0	7.9	0.000963 mg/L	0.000963 mg/L	13:22:25
2	Ni 232.003 At	-99.9	-2.8	-0.000270 mg/L	-0.000270 mg/L	13:22:25
2	P 213.617 At	-85.1	-9.0	-0.005424 mg/L	-0.005424 mg/L	13:22:25
2	Pb 220.353 At	38.4	-8.3	-0.002141 mg/L	-0.002141 mg/L	13:22:25
2	Sb 206.836 At	-8.4	3.0	0.001704 mg/L	0.001704 mg/L	13:22:25
2	Sc 361.383 At	15.6	7.3	0.000006 mg/L	0.000006 mg/L	13:22:04
2	Se 196.026 At	-28.0	0.8	0.001835 mg/L	0.001835 mg/L	13:22:25
2	Sn 189.927 At	-36.5	-4.1	-0.001558 mg/L	-0.001558 mg/L	13:22:25
2	Ti 336.121 At	-697.8	-186.3	-0.000680 mg/L	-0.000680 mg/L	13:22:04
2	Tl 190.801 At	-11.8	-2.3	-0.002900 mg/L	-0.002900 mg/L	13:22:25
2	V 292.402 At	-453.9	-104.9	-0.001240 mg/L	-0.001240 mg/L	13:22:04
2	Zn 206.200 At	26.0	-1.7	-0.000174 mg/L	-0.000174 mg/L	13:22:25

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	187085.4	107.801	%	0.1137				0.11%
Lu 261.542 A	2736062.0	112.855	%	0.0613				0.05%
Ag 328.068 At	49.7	0.000353	mg/L	0.0000678	0.000353	mg/L	0.0000678	19.19%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	1.1	0.001118	mg/L	0.0008857	0.001118	mg/L	0.0008857	79.22%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	-1.7	-0.001951	mg/L	0.0014928	-0.001951	mg/L	0.0014928	76.52%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	3.6	0.001867	mg/L	0.0022460	0.001867	mg/L	0.0022460	120.28%
Ba 233.527 At	-2.4	-0.000055	mg/L	0.0000303	-0.000055	mg/L	0.0000303	55.35%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	-6.7	-0.000047	mg/L	0.0000218	-0.000047	mg/L	0.0000218	46.63%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	0.7	0.000710	mg/L	0.0001212	0.000710	mg/L	0.0001212	17.07%
Ca 315.887 Rt	-13.0	-0.003513	mg/L	0.0007945	-0.003513	mg/L	0.0007945	22.61%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	0.6	0.000020	mg/L	0.0000063	0.000020	mg/L	0.0000063	32.38%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-7.0	-0.000377	mg/L	0.0000736	-0.000377	mg/L	0.0000736	19.51%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-0.2	-0.000005	mg/L	0.0000821	-0.000005	mg/L	0.0000821	>999.9%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	1311.8	0.007301	mg/L	0.0002043	0.007301	mg/L	0.0002043	2.80%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-4.9	-0.005460	mg/L	0.0002567	-0.005460	mg/L	0.0002567	4.70%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-0.8	-0.000006	mg/L	0.0000815	-0.000006	mg/L	0.0000815	>999.9%
K 766.490 Rt	-10.7	-0.004089	mg/L	0.0018399	-0.004089	mg/L	0.0018399	44.99%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	59.5	0.000302	mg/L	0.0000610	0.000302	mg/L	0.0000610	20.21%
Li 670.784 Rt	2.7	0.000029	mg/L	0.0001545	0.000029	mg/L	0.0001545	527.98%
Mg 279.077 Rt	-3.8	-0.007346	mg/L	0.0026560	-0.007346	mg/L	0.0026560	36.16%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-16.9	-0.001226	mg/L	0.0000668	-0.001226	mg/L	0.0000668	5.45%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	10.6	0.001282	mg/L	0.0004507	0.001282	mg/L	0.0004507	35.17%
Na 589.592 Rt	-19.4	-0.002462	mg/L	0.0000135	-0.002462	mg/L	0.0000135	0.55%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	-2.2	-0.000221	mg/L	0.0000686	-0.000221	mg/L	0.0000686	30.99%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	-6.0	-0.003739	mg/L	0.0023827	-0.003739	mg/L	0.0023827	63.72%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	-9.2	-0.002355	mg/L	0.0003020	-0.002355	mg/L	0.0003020	12.83%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	3.0	0.001732	mg/L	0.0000402	0.001732	mg/L	0.0000402	2.32%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	1.3	0.000001	mg/L	0.0000073	0.000001	mg/L	0.0000073	674.07%
Se 196.026 At	0.2	0.000427	mg/L	0.0019903	0.000427	mg/L	0.0019903	465.92%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-4.0	-0.002926	mg/L	0.0005582	-0.002926	mg/L	0.0005582	19.08%
SIO2 251.611 Rt	-4.0	-0.006262	mg/L	0.0011945	-0.006262	mg/L	0.0011945	19.08%
Sn 189.927 At	-4.4	-0.001661	mg/L	0.0001459	-0.001661	mg/L	0.0001459	8.78%
Sr 421.552 Rt	-37.9	-0.000047	mg/L	0.0000151	-0.000047	mg/L	0.0000151	32.22%

Ti 336.121 A†	-188.8	-0.000689	mg/L	0.0000127	-0.000689	mg/L	0.0000127	1.84%
Tl 190.801 A†	-1.8	-0.002231	mg/L	0.0009456	-0.002231	mg/L	0.0009456	42.38%
QC value within limits for Tl 190.801 A Recovery = Not calculated								
V 292.402 A†	-111.1	-0.001312	mg/L	0.0001016	-0.001312	mg/L	0.0001016	7.75%
QC value within limits for V 292.402 A Recovery = Not calculated								
Zn 206.200 A†	-3.0	-0.000307	mg/L	0.0001879	-0.000307	mg/L	0.0001879	61.23%
QC value within limits for Zn 206.200 A Recovery = Not calculated								

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 1 Date: 5/20/2009 1:28:26 PM

Analysis Begun

Start Time: 5/20/2009 1:24:06 PM Plasma On Time: 5/20/2009 6:20:45 AM
Logged In Analyst: Optima5 Technique: ICP Continuous
Spectrometer Model: Optima 5300 DV, S/N 077N5011902 Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1 Autosampler Location: 60
Sample ID: ME2QS0 Date Collected: 5/20/2009 1:24:09 PM
Analyst: DT Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: ME2QS0

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	172917.7	172917.7	99.6378	%			13:26:00
1	Al 308.215 Rt	29929.0	29985.0	30.7904	mg/L	30.7904	mg/L	13:26:00
1	B 249.677 Rt	105.4	98.6	0.064228	mg/L	0.064228	mg/L	13:26:20
1	Be 313.107 Rt	581.9	484.3	0.004118	mg/L	0.004118	mg/L	13:26:20
1	Ca 315.887 Rt	66426.7	66724.1	18.0336	mg/L	18.0336	mg/L	13:26:00
1	Fe 273.955 Rt	700101.8	702628.4	788.298	mg/L	788.298	mg/L	13:26:00
1	K 766.490 Rt	29128.7	28926.0	11.0606	mg/L	11.0606	mg/L	13:26:00
1	Li 670.784 Rt	1237.2	1137.0	0.012197	mg/L	0.012197	mg/L	13:26:20
1	Mg 279.077 Rt	4543.9	4557.5	8.71669	mg/L	8.71669	mg/L	13:26:20
1	Mn 260.568 Rt	46506.1	46654.4	3.34530	mg/L	3.34530	mg/L	13:26:00
1	Na 589.592 Rt	97039.7	97312.3	12.3396	mg/L	12.3396	mg/L	13:26:00
1	Si 251.611 Rt	12808.0	12809.2	9.25644	mg/L	9.25644	mg/L	13:26:20
1	SIO2 251.611 Rt	12808.0	12809.2	19.8088	mg/L	19.8088	mg/L	13:26:20
1	Sr 421.552 Rt	56120.5	56133.6	0.069317	mg/L	0.069317	mg/L	13:26:00
1	Lu 261.542 A	2505605.8	2505605.8	103.350	%			13:27:09
1	Ag 328.068 At	-1809.5	-1398.4	0.022585	mg/L	0.022585	mg/L	13:27:20
1	As 188.979 At	272.3	272.0	0.292502	mg/L	0.292502	mg/L	13:27:40
1	Ba 233.527 At	16367.0	15890.4	0.364744	mg/L	0.364744	mg/L	13:27:20
1	Bi 222.821 At	548.2	496.2	-0.327804	mg/L	-0.327804	mg/L	13:27:20
1	Cd 226.502 At	7000.2	6830.3	-0.010087	mg/L	-0.010087	mg/L	13:27:20
1	Co 228.616 At	929.7	986.4	0.051553	mg/L	0.051553	mg/L	13:27:40
1	Cr 267.716 At	362489.2	350578.0	8.89908	mg/L	8.89908	mg/L	13:27:20
1	Cu 324.752 At	398648.2	383168.5	2.13160	mg/L	2.13160	mg/L	13:27:09
1	Ga 417.206 At	15674.0	15241.3	-0.000055	mg/L	-0.000055	mg/L	13:27:20
1	La 379.478 At	40396.6	39552.4	0.200615	mg/L	0.200615	mg/L	13:27:09
1	Mo 202.031 At	932.7	872.3	0.112808	mg/L	0.112808	mg/L	13:27:20
1	Ni 232.003 At	4018.7	3974.2	0.875738	mg/L	0.875738	mg/L	13:27:20
1	P 213.617 At	12755.4	12408.5	7.45627	mg/L	7.45627	mg/L	13:27:20
1	Pb 220.353 At	22224.0	21461.4	5.45322	mg/L	5.45322	mg/L	13:27:20
1	Sb 206.836 At	323.5	323.4	0.081672	mg/L	0.081672	mg/L	13:27:40
1	Sc 361.383 At	7109.8	6872.8	0.005858	mg/L	0.005858	mg/L	13:27:20
1	Se 196.026 At	-79.2	-51.0	-0.013537	mg/L	-0.013537	mg/L	13:27:40
1	Sn 189.927 At	11026.1	10697.0	4.06242	mg/L	4.06242	mg/L	13:27:40
1	Ti 336.121 At	251458.2	243740.2	0.889190	mg/L	0.889190	mg/L	13:27:20
1	Tl 190.801 At	-36.5	-27.2	0.017662	mg/L	0.017662	mg/L	13:27:40
1	V 292.402 At	15255.6	15058.3	0.143758	mg/L	0.143758	mg/L	13:27:20
1	Zn 206.200 At	63318.8	61242.0	6.12797	mg/L	6.12797	mg/L	13:27:20
2	Lu 261.542 R	172834.5	172834.5	99.5899	%			13:26:32
2	Al 308.215 Rt	30000.4	30071.2	30.8790	mg/L	30.8790	mg/L	13:26:32
2	B 249.677 Rt	104.8	98.0	0.063882	mg/L	0.063882	mg/L	13:26:53
2	Be 313.107 Rt	579.2	481.8	0.004099	mg/L	0.004099	mg/L	13:26:53
2	Ca 315.887 Rt	66514.8	66844.7	18.0662	mg/L	18.0662	mg/L	13:26:32
2	Fe 273.955 Rt	700137.0	703001.7	788.717	mg/L	788.717	mg/L	13:26:32
2	K 766.490 Rt	29119.0	28930.3	11.0622	mg/L	11.0622	mg/L	13:26:32
2	Li 670.784 Rt	1232.3	1132.6	0.012150	mg/L	0.012150	mg/L	13:26:53
2	Mg 279.077 Rt	4543.2	4559.0	8.71957	mg/L	8.71957	mg/L	13:26:53
2	Mn 260.568 Rt	46500.1	46670.9	3.34647	mg/L	3.34647	mg/L	13:26:32
2	Na 589.592 Rt	96980.5	97299.7	12.3380	mg/L	12.3380	mg/L	13:26:32

Method: ILMO5 OPT5 Page 2 Date: 5/20/2009 1:28:27 PM

2	Si 251.611 Rt	12829.0	12836.6	9.27633 mg/L	9.27633 mg/L	13:26:53
2	SIO2 251.611 Rt	12829.0	12836.6	19.8513 mg/L	19.8513 mg/L	13:26:53
2	Sr 421.552 Rt	56079.5	56119.5	0.069300 mg/L	0.069300 mg/L	13:26:32
2	Lu 261.542 A	2515378.6	2515378.6	103.753 %		13:27:54
2	Ag 328.068 At	-1818.6	-1400.4	0.022585 mg/L	0.022585 mg/L	13:28:05
2	As 188.979 At	274.5	273.2	0.293858 mg/L	0.293858 mg/L	13:28:25
2	Ba 233.527 At	16290.7	15755.3	0.361644 mg/L	0.361644 mg/L	13:28:05
2	Bi 222.821 At	548.3	494.2	-0.328869 mg/L	-0.328869 mg/L	13:28:05
2	Cd 226.502 At	6962.0	6767.2	-0.012023 mg/L	-0.012023 mg/L	13:28:05
2	Co 228.616 At	932.7	985.9	0.051541 mg/L	0.051541 mg/L	13:28:25
2	Cr 267.716 At	362631.9	349352.9	8.86797 mg/L	8.86797 mg/L	13:28:05
2	Cu 324.752 At	403855.5	386688.9	2.15119 mg/L	2.15119 mg/L	13:27:54
2	Ga 417.206 At	15727.6	15234.1	-0.000209 mg/L	-0.000209 mg/L	13:28:05
2	La 379.478 At	41273.4	40245.6	0.204131 mg/L	0.204131 mg/L	13:27:54
2	Mo 202.031 At	920.4	857.0	0.110942 mg/L	0.110942 mg/L	13:28:05
2	Ni 232.003 At	4003.7	3944.6	0.874305 mg/L	0.874305 mg/L	13:28:05
2	P 213.617 At	12754.1	12359.3	7.42712 mg/L	7.42712 mg/L	13:28:05
2	Pb 220.353 At	22264.1	21416.5	5.44166 mg/L	5.44166 mg/L	13:28:05
2	Sb 206.836 At	320.0	318.8	0.079324 mg/L	0.079324 mg/L	13:28:25
2	Sc 361.383 At	7121.4	6857.3	0.005845 mg/L	0.005845 mg/L	13:28:05
2	Se 196.026 At	-75.8	-47.4	-0.005613 mg/L	-0.005613 mg/L	13:28:25
2	Sn 189.927 At	11033.7	10662.9	4.04946 mg/L	4.04946 mg/L	13:28:25
2	Ti 336.121 At	250331.2	241708.7	0.881776 mg/L	0.881776 mg/L	13:28:05
2	Tl 190.801 At	-37.1	-27.6	0.017188 mg/L	0.017188 mg/L	13:28:25
2	V 292.402 At	15164.3	14913.0	0.141934 mg/L	0.141934 mg/L	13:28:05
2	Zn 206.200 At	63287.9	60974.1	6.10117 mg/L	6.10117 mg/L	13:28:05

Mean Data: ME2QS0

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	172876.1	99.6138	%	0.03388				0.03%
Lu 261.542 A	2510492.2	103.551	%	0.2850				0.28%
Ag 328.068 At	-1399.4	0.022585	mg/L	0.0000002	0.022585	mg/L	0.0000002	0.00%
Al 308.215 Rt	30028.1	30.8347	mg/L	0.06262	30.8347	mg/L	0.06262	0.20%
As 188.979 At	272.6	0.293180	mg/L	0.0009589	0.293180	mg/L	0.0009589	0.33%
B 249.677 Rt	98.3	0.064055	mg/L	0.0002448	0.064055	mg/L	0.0002448	0.38%
Ba 233.527 At	15822.9	0.363194	mg/L	0.0021923	0.363194	mg/L	0.0021923	0.60%
Be 313.107 Rt	483.1	0.004109	mg/L	0.0000138	0.004109	mg/L	0.0000138	0.34%
Bi 222.821 At	495.2	-0.328336	mg/L	0.0007529	-0.328336	mg/L	0.0007529	0.23%
Ca 315.887 Rt	66784.4	18.0499	mg/L	0.02304	18.0499	mg/L	0.02304	0.13%
Cd 226.502 At	6798.7	-0.011055	mg/L	0.0013691	-0.011055	mg/L	0.0013691	12.39%
Co 228.616 At	986.2	0.051547	mg/L	0.0000085	0.051547	mg/L	0.0000085	0.02%
Cr 267.716 At	349965.4	8.88352	mg/L	0.021992	8.88352	mg/L	0.021992	0.25%
Cu 324.752 At	384928.7	2.14140	mg/L	0.013854	2.14140	mg/L	0.013854	0.65%
Fe 273.955 Rt	702815.0	788.507	mg/L	0.2961	788.507	mg/L	0.2961	0.04%
Ga 417.206 At	15237.7	-0.000132	mg/L	0.0001083	-0.000132	mg/L	0.0001083	82.11%
K 766.490 Rt	28928.2	11.0614	mg/L	0.00116	11.0614	mg/L	0.00116	0.01%
La 379.478 At	39899.0	0.202373	mg/L	0.0024863	0.202373	mg/L	0.0024863	1.23%
Li 670.784 Rt	1134.8	0.012174	mg/L	0.0000330	0.012174	mg/L	0.0000330	0.27%
Mg 279.077 Rt	4558.3	8.71813	mg/L	0.002034	8.71813	mg/L	0.002034	0.02%
Mn 260.568 Rt	46662.7	3.34588	mg/L	0.000829	3.34588	mg/L	0.000829	0.02%
Mo 202.031 At	864.6	0.111875	mg/L	0.0013193	0.111875	mg/L	0.0013193	1.18%
Na 589.592 Rt	97306.0	12.3388	mg/L	0.00113	12.3388	mg/L	0.00113	0.01%
Ni 232.003 At	3959.4	0.875022	mg/L	0.0010133	0.875022	mg/L	0.0010133	0.12%
P 213.617 At	12383.9	7.44170	mg/L	0.020615	7.44170	mg/L	0.020615	0.28%
Pb 220.353 At	21438.9	5.44744	mg/L	0.008178	5.44744	mg/L	0.008178	0.15%
Sb 206.836 At	321.1	0.080498	mg/L	0.0016603	0.080498	mg/L	0.0016603	2.06%
Sc 361.383 At	6865.1	0.005851	mg/L	0.0000094	0.005851	mg/L	0.0000094	0.16%
Se 196.026 At	-49.2	-0.009575	mg/L	0.0056031	-0.009575	mg/L	0.0056031	58.52%
Si 251.611 Rt	12822.9	9.26639	mg/L	0.014065	9.26639	mg/L	0.014065	0.15%
SIO2 251.611 Rt	12822.9	19.8301	mg/L	0.03010	19.8301	mg/L	0.03010	0.15%
Sn 189.927 At	10679.9	4.05594	mg/L	0.009164	4.05594	mg/L	0.009164	0.23%
Sr 421.552 Rt	56126.5	0.069308	mg/L	0.0000123	0.069308	mg/L	0.0000123	0.02%
Ti 336.121 At	242724.5	0.885483	mg/L	0.0052427	0.885483	mg/L	0.0052427	0.59%
Tl 190.801 At	-27.4	0.017425	mg/L	0.0003353	0.017425	mg/L	0.0003353	1.92%
V 292.402 At	14985.6	0.142846	mg/L	0.0012894	0.142846	mg/L	0.0012894	0.90%
Zn 206.200 At	61108.1	6.11457	mg/L	0.018952	6.11457	mg/L	0.018952	0.31%

Method: ILMO5 OPT5 Page 3 Date: 5/20/2009 1:34:23 PM

Sequence No.: 2
Sample ID: ME2QS1
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/20/2009 1:30:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	172817.3	172817.3	99.5799	%			13:32:04
1	Al 308.215 Rt	33898.2	33988.4	34.9045	mg/L	34.9045	mg/L	13:32:04
1	B 249.677 Rt	322.4	316.5	0.165022	mg/L	0.165022	mg/L	13:32:24
1	Be 313.107 Rt	408.3	310.3	0.002115	mg/L	0.002115	mg/L	13:32:24
1	Ca 315.887 Rt	225140.3	226146.0	61.1206	mg/L	61.1206	mg/L	13:32:04
1	Fe 273.955 Rt	54883.8	55096.7	61.8074	mg/L	61.8074	mg/L	13:32:04
1	K 766.490 Rt	61521.4	61472.4	23.5055	mg/L	23.5055	mg/L	13:32:04
1	Li 670.784 Rt	4238.8	4152.0	0.044540	mg/L	0.044540	mg/L	13:32:04
1	Mg 279.077 Rt	17377.5	17447.9	33.3707	mg/L	33.3707	mg/L	13:32:04
1	Mn 260.568 Rt	10501.4	10525.0	0.760980	mg/L	0.760980	mg/L	13:32:24
1	Na 589.592 Rt	98438.8	98773.9	12.5249	mg/L	12.5249	mg/L	13:32:04
1	Si 251.611 Rt	12711.5	12719.8	9.19369	mg/L	9.19369	mg/L	13:32:24
1	SIO2 251.611 Rt	12711.5	12719.8	19.6745	mg/L	19.6745	mg/L	13:32:24
1	Sr 421.552 Rt	98373.7	98597.8	0.121754	mg/L	0.121754	mg/L	13:32:04
1	Lu 261.542 A	2513536.8	2513536.8	103.677	%			13:33:09
1	Ag 328.068 At	-462.5	-93.7	0.001769	mg/L	0.001769	mg/L	13:33:20
1	As 188.979 At	8.2	16.5	0.019592	mg/L	0.019592	mg/L	13:33:40
1	Ba 233.527 At	13533.6	13107.5	0.300866	mg/L	0.300866	mg/L	13:33:20
1	Bi 222.821 At	74.9	37.9	-0.009184	mg/L	-0.009184	mg/L	13:33:40
1	Cd 226.502 At	407.6	450.1	-0.002929	mg/L	-0.002929	mg/L	13:33:40
1	Co 228.616 At	237.0	315.5	0.015229	mg/L	0.015229	mg/L	13:33:40
1	Cr 267.716 At	8426.5	7964.6	0.201890	mg/L	0.201890	mg/L	13:33:20
1	Cu 324.752 At	97889.1	91858.1	0.511419	mg/L	0.511419	mg/L	13:33:09
1	Ga 417.206 At	2238.6	2234.5	0.009550	mg/L	0.009550	mg/L	13:33:20
1	La 379.478 At	13093.9	13094.6	0.066418	mg/L	0.066418	mg/L	13:33:20
1	Mo 202.031 At	305.1	264.1	0.026957	mg/L	0.026957	mg/L	13:33:40
1	Ni 232.003 At	355.9	429.0	0.096441	mg/L	0.096441	mg/L	13:33:20
1	P 213.617 At	3738.6	3672.5	2.15290	mg/L	2.15290	mg/L	13:33:40
1	Pb 220.353 At	1584.2	1485.7	0.378788	mg/L	0.378788	mg/L	13:33:40
1	Sb 206.836 At	7.9	18.0	0.006374	mg/L	0.006374	mg/L	13:33:40
1	Sc 361.383 At	7732.3	7451.5	0.006351	mg/L	0.006351	mg/L	13:33:20
1	Se 196.026 At	-33.1	-6.2	-0.009259	mg/L	-0.009259	mg/L	13:33:40
1	Sn 189.927 At	209.2	230.0	0.087334	mg/L	0.087334	mg/L	13:33:40
1	Ti 336.121 At	232305.3	224498.8	0.818081	mg/L	0.818081	mg/L	13:33:09
1	Tl 190.801 At	-12.6	-4.0	0.000234	mg/L	0.000234	mg/L	13:33:40
1	V 292.402 At	7584.2	7612.4	0.086568	mg/L	0.086568	mg/L	13:33:20
1	Zn 206.200 At	11794.4	11351.4	1.13463	mg/L	1.13463	mg/L	13:33:20
2	Lu 261.542 R	174557.7	174557.7	100.583	%			13:32:35
2	Al 308.215 Rt	34213.4	33962.4	34.8777	mg/L	34.8777	mg/L	13:32:35
2	B 249.677 Rt	317.3	308.2	0.160684	mg/L	0.160684	mg/L	13:32:55
2	Be 313.107 Rt	408.9	306.8	0.002091	mg/L	0.002091	mg/L	13:32:55
2	Ca 315.887 Rt	227154.2	225894.0	61.0525	mg/L	61.0525	mg/L	13:32:35
2	Fe 273.955 Rt	55391.3	55051.7	61.7569	mg/L	61.7569	mg/L	13:32:35
2	K 766.490 Rt	61895.7	61228.5	23.4122	mg/L	23.4122	mg/L	13:32:35
2	Li 670.784 Rt	4320.6	4190.8	0.044956	mg/L	0.044956	mg/L	13:32:35
2	Mg 279.077 Rt	17568.4	17463.7	33.4009	mg/L	33.4009	mg/L	13:32:35
2	Mn 260.568 Rt	10468.2	10386.9	0.750931	mg/L	0.750931	mg/L	13:32:55
2	Na 589.592 Rt	99815.3	99156.8	12.5735	mg/L	12.5735	mg/L	13:32:35
2	Si 251.611 Rt	12669.3	12550.6	9.07128	mg/L	9.07128	mg/L	13:32:55
2	SIO2 251.611 Rt	12669.3	12550.6	19.4125	mg/L	19.4125	mg/L	13:32:55
2	Sr 421.552 Rt	99239.4	98473.4	0.121601	mg/L	0.121601	mg/L	13:32:35
2	Lu 261.542 A	2506675.3	2506675.3	103.394	%			13:33:52
2	Ag 328.068 At	-447.3	-80.2	0.001868	mg/L	0.001868	mg/L	13:34:02
2	As 188.979 At	6.5	14.9	0.017724	mg/L	0.017724	mg/L	13:34:23
2	Ba 233.527 At	13476.7	13088.2	0.300424	mg/L	0.300424	mg/L	13:34:02
2	Bi 222.821 At	75.8	39.0	-0.008130	mg/L	-0.008130	mg/L	13:34:23
2	Cd 226.502 At	410.6	454.1	-0.002805	mg/L	-0.002805	mg/L	13:34:23
2	Co 228.616 At	232.9	312.2	0.015051	mg/L	0.015051	mg/L	13:34:23
2	Cr 267.716 At	8401.5	7962.6	0.201840	mg/L	0.201840	mg/L	13:34:02
2	Cu 324.752 At	97411.3	91654.4	0.510285	mg/L	0.510285	mg/L	13:33:52

2	Ga 417.206 At	2207.7	2210.5	0.009274 mg/L	0.009274 mg/L	13:34:02
2	La 379.478 At	13092.2	13127.5	0.066585 mg/L	0.066585 mg/L	13:34:02
2	Mo 202.031 At	315.2	274.7	0.028306 mg/L	0.028306 mg/L	13:34:23
2	Ni 232.003 At	354.1	428.2	0.096290 mg/L	0.096290 mg/L	13:34:02
2	P 213.617 At	3731.6	3675.6	2.15471 mg/L	2.15471 mg/L	13:34:23
2	Pb 220.353 At	1589.9	1495.4	0.381264 mg/L	0.381264 mg/L	13:34:23
2	Sb 206.836 At	10.4	20.5	0.007796 mg/L	0.007796 mg/L	13:34:23
2	Sc 361.383 At	7723.1	7463.1	0.006361 mg/L	0.006361 mg/L	13:34:02
2	Se 196.026 At	-30.6	-3.9	-0.004202 mg/L	-0.004202 mg/L	13:34:23
2	Sn 189.927 At	213.2	234.4	0.089012 mg/L	0.089012 mg/L	13:34:23
2	Ti 336.121 At	231631.9	224460.9	0.817943 mg/L	0.817943 mg/L	13:33:52
2	Tl 190.801 At	-14.3	-5.8	-0.001934 mg/L	-0.001934 mg/L	13:34:23
2	V 292.402 At	7583.1	7631.3	0.086806 mg/L	0.086806 mg/L	13:34:02
2	Zn 206.200 At	11736.6	11326.7	1.13217 mg/L	1.13217 mg/L	13:34:02

Mean Data: ME2QS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	173687.5	100.081	%	0.7091				0.71%
Lu 261.542 A	2510106.1	103.535	%	0.2001				0.19%
Ag 328.068 At	-87.0	0.001818	mg/L	0.0000697	0.001818	mg/L	0.0000697	3.83%
Al 308.215 Rt	33975.4	34.8911	mg/L	0.01895	34.8911	mg/L	0.01895	0.05%
As 188.979 At	15.7	0.018658	mg/L	0.0013207	0.018658	mg/L	0.0013207	7.08%
B 249.677 Rt	312.3	0.162853	mg/L	0.0030678	0.162853	mg/L	0.0030678	1.88%
Ba 233.527 At	13097.9	0.300645	mg/L	0.0003129	0.300645	mg/L	0.0003129	0.10%
Be 313.107 Rt	308.5	0.002103	mg/L	0.0000175	0.002103	mg/L	0.0000175	0.83%
Bi 222.821 At	38.4	-0.008657	mg/L	0.0007454	-0.008657	mg/L	0.0007454	8.61%
Ca 315.887 Rt	226020.0	61.0866	mg/L	0.04817	61.0866	mg/L	0.04817	0.08%
Cd 226.502 At	452.1	-0.002867	mg/L	0.0000878	-0.002867	mg/L	0.0000878	3.06%
Co 228.616 At	313.8	0.015140	mg/L	0.0001263	0.015140	mg/L	0.0001263	0.83%
Cr 267.716 At	7963.6	0.201865	mg/L	0.0000355	0.201865	mg/L	0.0000355	0.02%
Cu 324.752 At	91756.2	0.510852	mg/L	0.0008013	0.510852	mg/L	0.0008013	0.16%
Fe 273.955 Rt	55074.2	61.7821	mg/L	0.03567	61.7821	mg/L	0.03567	0.06%
Ga 417.206 At	2222.5	0.009412	mg/L	0.0001956	0.009412	mg/L	0.0001956	2.08%
K 766.490 Rt	61350.5	23.4588	mg/L	0.06595	23.4588	mg/L	0.06595	0.28%
La 379.478 At	13111.1	0.066501	mg/L	0.0001182	0.066501	mg/L	0.0001182	0.18%
Li 670.784 Rt	4171.4	0.044748	mg/L	0.0002945	0.044748	mg/L	0.0002945	0.66%
Mg 279.077 Rt	17455.8	33.3858	mg/L	0.02133	33.3858	mg/L	0.02133	0.06%
Mn 260.568 Rt	10455.9	0.755955	mg/L	0.0071061	0.755955	mg/L	0.0071061	0.94%
Mo 202.031 At	269.4	0.027631	mg/L	0.0009534	0.027631	mg/L	0.0009534	3.45%
Na 589.592 Rt	98965.4	12.5492	mg/L	0.03433	12.5492	mg/L	0.03433	0.27%
Ni 232.003 At	428.6	0.096365	mg/L	0.0001074	0.096365	mg/L	0.0001074	0.11%
P 213.617 At	3674.1	2.15381	mg/L	0.001279	2.15381	mg/L	0.001279	0.06%
Pb 220.353 At	1490.6	0.380026	mg/L	0.0017506	0.380026	mg/L	0.0017506	0.46%
Sb 206.836 At	19.3	0.007085	mg/L	0.0010051	0.007085	mg/L	0.0010051	14.19%
Sc 361.383 At	7457.3	0.006356	mg/L	0.0000070	0.006356	mg/L	0.0000070	0.11%
Se 196.026 At	-5.1	-0.006731	mg/L	0.0035757	-0.006731	mg/L	0.0035757	53.13%
Si 251.611 Rt	12635.2	9.13248	mg/L	0.086560	9.13248	mg/L	0.086560	0.95%
SIO2 251.611 Rt	12635.2	19.5435	mg/L	0.18524	19.5435	mg/L	0.18524	0.95%
Sn 189.927 At	232.2	0.088173	mg/L	0.0011864	0.088173	mg/L	0.0011864	1.35%
Sr 421.552 Rt	98535.6	0.121678	mg/L	0.0001086	0.121678	mg/L	0.0001086	0.09%
Ti 336.121 At	224479.9	0.818012	mg/L	0.0000978	0.818012	mg/L	0.0000978	0.01%
Tl 190.801 At	-4.9	-0.000850	mg/L	0.0015332	-0.000850	mg/L	0.0015332	180.45%
V 292.402 At	7621.8	0.086687	mg/L	0.0001684	0.086687	mg/L	0.0001684	0.19%
Zn 206.200 At	11339.0	1.13340	mg/L	0.001741	1.13340	mg/L	0.001741	0.15%

Method: ILM05 OPT5 Page 5 Date: 5/20/2009 1:40:25 PM

Sequence No.: 3
Sample ID: ME2QS2
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/20/2009 1:36:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	178281.7	178281.7	102.729	%			13:38:00
1	Al 308.215 Rt	35445.3	34451.0	35.3768	mg/L	35.3768	mg/L	13:38:00
1	B 249.677 Rt	182.2	170.1	0.095207	mg/L	0.095207	mg/L	13:38:21
1	Be 313.107 Rt	770.4	650.2	0.004882	mg/L	0.004882	mg/L	13:38:21
1	Ca 315.887 Rt	110600.5	107718.7	29.1132	mg/L	29.1132	mg/L	13:38:00
1	Fe 273.955 Rt	476462.7	463788.5	520.336	mg/L	520.336	mg/L	13:38:00
1	K 766.490 Rt	50519.1	48868.7	18.6861	mg/L	18.6861	mg/L	13:38:00
1	Li 670.784 Rt	2599.1	2425.4	0.026018	mg/L	0.026018	mg/L	13:38:21
1	Mg 279.077 Rt	8317.2	8093.4	15.4793	mg/L	15.4793	mg/L	13:38:21
1	Mn 260.568 Rt	40162.6	39075.1	2.81036	mg/L	2.81036	mg/L	13:38:21
1	Na 589.592 Rt	90450.4	87967.7	11.1547	mg/L	11.1547	mg/L	13:38:00
1	Si 251.611 Rt	10932.7	10597.0	7.65443	mg/L	7.65443	mg/L	13:38:21
1	SIO2 251.611 Rt	10932.7	10597.0	16.3805	mg/L	16.3805	mg/L	13:38:21
1	Sr 421.552 Rt	84442.9	82009.0	0.101270	mg/L	0.101270	mg/L	13:38:00
1	Lu 261.542 A	2566147.3	2566147.3	105.847	%			13:39:08
1	Ag 328.068 At	-759.8	-365.4	0.018538	mg/L	0.018538	mg/L	13:39:19
1	As 188.979 At	235.6	231.1	0.253177	mg/L	0.253177	mg/L	13:39:39
1	Ba 233.527 At	27318.2	25863.0	0.593653	mg/L	0.593653	mg/L	13:39:19
1	Bi 222.821 At	338.8	285.7	-0.216558	mg/L	-0.216558	mg/L	13:39:19
1	Cd 226.502 At	5016.9	4796.7	0.001916	mg/L	0.001916	mg/L	13:39:19
1	Co 228.616 At	1148.0	1171.4	0.061422	mg/L	0.061422	mg/L	13:39:39
1	Cr 267.716 At	193473.7	182623.7	4.63554	mg/L	4.63554	mg/L	13:39:19
1	Cu 324.752 At	343427.3	321897.6	1.79050	mg/L	1.79050	mg/L	13:39:08
1	Ga 417.206 At	10902.9	10376.0	0.002249	mg/L	0.002249	mg/L	13:39:19
1	La 379.478 At	31358.1	30091.0	0.152626	mg/L	0.152626	mg/L	13:39:08
1	Mo 202.031 At	1121.8	1029.7	0.128344	mg/L	0.128344	mg/L	13:39:19
1	Ni 232.003 At	4788.9	4610.1	0.807733	mg/L	0.807733	mg/L	13:39:19
1	P 213.617 At	11145.7	10596.5	6.33133	mg/L	6.33133	mg/L	13:39:19
1	Pb 220.353 At	27471.7	25912.0	6.61292	mg/L	6.61292	mg/L	13:39:19
1	Sb 206.836 At	176.7	177.3	0.044618	mg/L	0.044618	mg/L	13:39:39
1	Sc 361.383 At	8359.3	7891.0	0.006726	mg/L	0.006726	mg/L	13:39:19
1	Se 196.026 At	-57.6	-28.8	0.000579	mg/L	0.000579	mg/L	13:39:39
1	Sn 189.927 At	15206.6	14394.8	5.46675	mg/L	5.46675	mg/L	13:39:19
1	Ti 336.121 At	281212.9	266111.2	0.970596	mg/L	0.970596	mg/L	13:39:19
1	Tl 190.801 At	-26.0	-16.5	0.015495	mg/L	0.015495	mg/L	13:39:39
1	V 292.402 At	15419.5	14864.9	0.151321	mg/L	0.151321	mg/L	13:39:19
1	Zn 206.200 At	143016.4	135091.9	13.5182	mg/L	13.5182	mg/L	13:39:19
2	Lu 261.542 R	177382.3	177382.3	102.210	%			13:38:32
2	Al 308.215 Rt	35414.7	34596.0	35.5257	mg/L	35.5257	mg/L	13:38:32
2	B 249.677 Rt	184.4	173.1	0.096799	mg/L	0.096799	mg/L	13:38:52
2	Be 313.107 Rt	773.5	657.0	0.004930	mg/L	0.004930	mg/L	13:38:52
2	Ca 315.887 Rt	110266.3	107937.7	29.1724	mg/L	29.1724	mg/L	13:38:32
2	Fe 273.955 Rt	474974.4	464684.1	521.340	mg/L	521.340	mg/L	13:38:32
2	K 766.490 Rt	50530.0	49128.7	18.7856	mg/L	18.7856	mg/L	13:38:32
2	Li 670.784 Rt	2622.8	2461.4	0.026404	mg/L	0.026404	mg/L	13:38:52
2	Mg 279.077 Rt	8366.6	8182.7	15.6502	mg/L	15.6502	mg/L	13:38:52
2	Mn 260.568 Rt	40366.8	39473.1	2.83926	mg/L	2.83926	mg/L	13:38:52
2	Na 589.592 Rt	90126.8	88097.6	11.1711	mg/L	11.1711	mg/L	13:38:32
2	Si 251.611 Rt	11015.9	10732.4	7.75236	mg/L	7.75236	mg/L	13:38:52
2	SIO2 251.611 Rt	11015.9	10732.4	16.5901	mg/L	16.5901	mg/L	13:38:52
2	Sr 421.552 Rt	84248.6	82235.7	0.101550	mg/L	0.101550	mg/L	13:38:32
2	Lu 261.542 A	2571398.1	2571398.1	106.063	%			13:39:53
2	Ag 328.068 At	-797.1	-399.1	0.018353	mg/L	0.018353	mg/L	13:40:04
2	As 188.979 At	230.7	226.1	0.247437	mg/L	0.247437	mg/L	13:40:24
2	Ba 233.527 At	27346.5	25837.0	0.593055	mg/L	0.593055	mg/L	13:40:04
2	Bi 222.821 At	350.1	295.8	-0.208103	mg/L	-0.208103	mg/L	13:40:04
2	Cd 226.502 At	5017.1	4787.2	0.001374	mg/L	0.001374	mg/L	13:40:04
2	Co 228.616 At	1133.7	1155.8	0.060562	mg/L	0.060562	mg/L	13:40:24
2	Cr 267.716 At	194034.8	182779.5	4.63949	mg/L	4.63949	mg/L	13:40:04
2	Cu 324.752 At	344178.3	321943.2	1.79076	mg/L	1.79076	mg/L	13:39:53

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2	Ga 417.206 At	10935.8	10385.9	0.002124 mg/L	0.002124 mg/L	13:40:04
2	La 379.478 At	31620.0	30277.4	0.153571 mg/L	0.153571 mg/L	13:39:53
2	Mo 202.031 At	1113.7	1019.9	0.127112 mg/L	0.127112 mg/L	13:40:04
2	Ni 232.003 At	4714.8	4531.0	0.801091 mg/L	0.801091 mg/L	13:40:04
2	P 213.617 At	11111.4	10542.6	6.30023 mg/L	6.30023 mg/L	13:40:04
2	Pb 220.353 At	27502.3	25887.8	6.60666 mg/L	6.60666 mg/L	13:40:04
2	Sb 206.836 At	177.9	178.1	0.044967 mg/L	0.044967 mg/L	13:40:24
2	Sc 361.383 At	8429.7	7941.3	0.006769 mg/L	0.006769 mg/L	13:40:04
2	Se 196.026 At	-60.7	-31.5	-0.005323 mg/L	-0.005323 mg/L	13:40:24
2	Sn 189.927 At	15246.2	14402.8	5.46980 mg/L	5.46980 mg/L	13:40:04
2	Ti 336.121 At	282903.6	267162.7	0.974430 mg/L	0.974430 mg/L	13:40:04
2	Tl 190.801 At	-24.3	-14.8	0.017698 mg/L	0.017698 mg/L	13:40:24
2	V 292.402 At	15545.1	14953.6	0.152305 mg/L	0.152305 mg/L	13:40:04
2	Zn 206.200 At	142262.3	134104.9	13.4194 mg/L	13.4194 mg/L	13:40:04

Mean Data: ME2QS2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	177832.0	102.469	%	0.3665				0.36%
Lu 261.542 A	2568772.7	105.955	%	0.1531				0.14%
Ag 328.068 At	-382.3	0.018446	mg/L	0.0001307	0.018446	mg/L	0.0001307	0.71%
Al 308.215 Rt	34523.5	35.4513	mg/L	0.10530	35.4513	mg/L	0.10530	0.30%
As 188.979 At	228.6	0.250307	mg/L	0.0040589	0.250307	mg/L	0.0040589	1.62%
B 249.677 Rt	171.6	0.096003	mg/L	0.0011257	0.096003	mg/L	0.0011257	1.17%
Ba 233.527 At	25850.0	0.593354	mg/L	0.0004226	0.593354	mg/L	0.0004226	0.07%
Be 313.107 Rt	653.6	0.004906	mg/L	0.0000338	0.004906	mg/L	0.0000338	0.69%
Bi 222.821 At	290.8	-0.212331	mg/L	0.0059786	-0.212331	mg/L	0.0059786	2.82%
Ca 315.887 Rt	107828.2	29.1428	mg/L	0.04184	29.1428	mg/L	0.04184	0.14%
Cd 226.502 At	4791.9	0.001645	mg/L	0.0003834	0.001645	mg/L	0.0003834	23.31%
Co 228.616 At	1163.6	0.060992	mg/L	0.0006081	0.060992	mg/L	0.0006081	1.00%
Cr 267.716 At	182701.6	4.63752	mg/L	0.002795	4.63752	mg/L	0.002795	0.06%
Cu 324.752 At	321920.4	1.79063	mg/L	0.000179	1.79063	mg/L	0.000179	0.01%
Fe 273.955 Rt	464236.3	520.838	mg/L	0.7104	520.838	mg/L	0.7104	0.14%
Ga 417.206 At	10381.0	0.002186	mg/L	0.0000879	0.002186	mg/L	0.0000879	4.02%
K 766.490 Rt	48998.7	18.7359	mg/L	0.07030	18.7359	mg/L	0.07030	0.38%
La 379.478 At	30184.2	0.153098	mg/L	0.0006685	0.153098	mg/L	0.0006685	0.44%
Li 670.784 Rt	2443.4	0.026211	mg/L	0.0002731	0.026211	mg/L	0.0002731	1.04%
Mg 279.077 Rt	8138.0	15.5647	mg/L	0.12085	15.5647	mg/L	0.12085	0.78%
Mn 260.568 Rt	39274.1	2.82481	mg/L	0.020432	2.82481	mg/L	0.020432	0.72%
Mo 202.031 At	1024.8	0.127728	mg/L	0.0008717	0.127728	mg/L	0.0008717	0.68%
Na 589.592 Rt	88032.7	11.1629	mg/L	0.01164	11.1629	mg/L	0.01164	0.10%
Ni 232.003 At	4570.5	0.804412	mg/L	0.0046966	0.804412	mg/L	0.0046966	0.58%
P 213.617 At	10569.6	6.31578	mg/L	0.021992	6.31578	mg/L	0.021992	0.35%
Pb 220.353 At	25899.9	6.60979	mg/L	0.004430	6.60979	mg/L	0.004430	0.07%
Sb 206.836 At	177.7	0.044793	mg/L	0.0002467	0.044793	mg/L	0.0002467	0.55%
Sc 361.383 At	7916.1	0.006747	mg/L	0.0000303	0.006747	mg/L	0.0000303	0.45%
Se 196.026 At	-30.2	-0.002372	mg/L	0.0041737	-0.002372	mg/L	0.0041737	175.94%
Si 251.611 Rt	10664.7	7.70339	mg/L	0.069253	7.70339	mg/L	0.069253	0.90%
SIO2 251.611 Rt	10664.7	16.4853	mg/L	0.14820	16.4853	mg/L	0.14820	0.90%
Sn 189.927 At	14398.8	5.46828	mg/L	0.002160	5.46828	mg/L	0.002160	0.04%
Sr 421.552 Rt	82122.3	0.101410	mg/L	0.0001979	0.101410	mg/L	0.0001979	0.20%
Ti 336.121 At	266636.9	0.972513	mg/L	0.0027108	0.972513	mg/L	0.0027108	0.28%
Tl 190.801 At	-15.6	0.016597	mg/L	0.0015580	0.016597	mg/L	0.0015580	9.39%
V 292.402 At	14909.2	0.151813	mg/L	0.0006961	0.151813	mg/L	0.0006961	0.46%
Zn 206.200 At	134598.4	13.4688	mg/L	0.06984	13.4688	mg/L	0.06984	0.52%

Method: ILMO5 OPT5 Page 7 Date: 5/20/2009 1:46:25 PM

Sequence No.: 4
Sample ID: ~~ME2QS0 5X~~ 222222 05/26/2009
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 5/20/2009 1:42:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ~~ME2QS0 5X~~ 222222 05/26/2009

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	185825.4	185825.4	107.075	%			13:44:04
1	Al 308.215 Rt	17334.4	16136.1	16.5697	mg/L	16.5697	mg/L	13:44:25
1	B 249.677 Rt	97.6	83.9	0.046823	mg/L	0.046823	mg/L	13:44:25
1	Be 313.107 Rt	422.7	295.0	0.002221	mg/L	0.002221	mg/L	13:44:25
1	Ca 315.887 Rt	54993.9	51415.9	13.8962	mg/L	13.8962	mg/L	13:44:04
1	Fe 273.955 Rt	237930.9	222190.2	249.281	mg/L	249.281	mg/L	13:44:04
1	K 766.490 Rt	25153.0	23182.4	8.86434	mg/L	8.86434	mg/L	13:44:04
1	Li 670.784 Rt	1282.6	1093.1	0.011726	mg/L	0.011726	mg/L	13:44:25
1	Mg 279.077 Rt	4176.2	3897.4	7.45406	mg/L	7.45406	mg/L	13:44:25
1	Mn 260.568 Rt	20270.8	18910.7	1.36026	mg/L	1.36026	mg/L	13:44:25
1	Na 589.592 Rt	44729.3	41693.6	5.28692	mg/L	5.28692	mg/L	13:44:04
1	Si 251.611 Rt	5540.1	5128.7	3.70460	mg/L	3.70460	mg/L	13:44:25
1	SIO2 251.611 Rt	5540.1	5128.7	7.92784	mg/L	7.92784	mg/L	13:44:25
1	Sr 421.552 Rt	41402.8	38476.0	0.047512	mg/L	0.047512	mg/L	13:44:04
1	Lu 261.542 A	2714428.9	2714428.9	111.963	%			13:45:10
1	Ag 328.068 At	-569.0	-155.8	0.009021	mg/L	0.009021	mg/L	13:45:20
1	As 188.979 At	112.2	108.8	0.119110	mg/L	0.119110	mg/L	13:45:41
1	Ba 233.527 At	13812.2	12390.2	0.284402	mg/L	0.284402	mg/L	13:45:20
1	Bi 222.821 At	180.4	126.8	-0.112876	mg/L	-0.112876	mg/L	13:45:41
1	Cd 226.502 At	2470.4	2263.4	-0.000082	mg/L	-0.000082	mg/L	13:45:20
1	Co 228.616 At	531.1	561.3	0.029421	mg/L	0.029421	mg/L	13:45:41
1	Cr 267.716 At	97184.0	86637.1	2.19911	mg/L	2.19911	mg/L	13:45:20
1	Cu 324.752 At	167767.6	147282.5	0.819200	mg/L	0.819200	mg/L	13:45:10
1	Ga 417.206 At	5617.1	5092.2	0.002522	mg/L	0.002522	mg/L	13:45:20
1	La 379.478 At	14709.5	13602.8	0.068995	mg/L	0.068995	mg/L	13:45:10
1	Mo 202.031 At	580.7	488.4	0.060876	mg/L	0.060876	mg/L	13:45:20
1	Ni 232.003 At	2390.0	2220.3	0.388776	mg/L	0.388776	mg/L	13:45:20
1	P 213.617 At	5892.8	5329.7	3.18177	mg/L	3.18177	mg/L	13:45:20
1	Pb 220.353 At	14283.0	12714.6	3.24527	mg/L	3.24527	mg/L	13:45:20
1	Sb 206.836 At	87.0	88.1	0.023379	mg/L	0.023379	mg/L	13:45:41
1	Sc 361.383 At	4152.8	3702.6	0.003156	mg/L	0.003156	mg/L	13:45:20
1	Se 196.026 At	-47.3	-16.6	-0.005826	mg/L	-0.005826	mg/L	13:45:41
1	Sn 189.927 At	7852.8	7042.0	2.67435	mg/L	2.67435	mg/L	13:45:20
1	Ti 336.121 At	143459.2	128562.7	0.468913	mg/L	0.468913	mg/L	13:45:10
1	Tl 190.801 At	-17.5	-7.5	0.007913	mg/L	0.007913	mg/L	13:45:41
1	V 292.402 At	7480.9	6978.7	0.070749	mg/L	0.070749	mg/L	13:45:20
1	Zn 206.200 At	74040.7	66104.9	6.61490	mg/L	6.61490	mg/L	13:45:20
2	Lu 261.542 R	188015.1	188015.1	108.337	%			13:44:35
2	Al 308.215 Rt	17354.9	15966.5	16.3955	mg/L	16.3955	mg/L	13:44:55
2	B 249.677 Rt	95.4	80.8	0.045227	mg/L	0.045227	mg/L	13:44:55
2	Be 313.107 Rt	422.0	289.8	0.002186	mg/L	0.002186	mg/L	13:44:55
2	Ca 315.887 Rt	55682.5	51453.4	13.9063	mg/L	13.9063	mg/L	13:44:35
2	Fe 273.955 Rt	240128.4	221630.6	248.653	mg/L	248.653	mg/L	13:44:35
2	K 766.490 Rt	25427.3	23162.0	8.85656	mg/L	8.85656	mg/L	13:44:35
2	Li 670.784 Rt	1310.3	1104.8	0.011852	mg/L	0.011852	mg/L	13:44:55
2	Mg 279.077 Rt	4180.0	3855.4	7.37385	mg/L	7.37385	mg/L	13:44:55
2	Mn 260.568 Rt	20290.7	18708.5	1.34558	mg/L	1.34558	mg/L	13:44:55
2	Na 589.592 Rt	45030.6	41485.1	5.26049	mg/L	5.26049	mg/L	13:44:35
2	Si 251.611 Rt	5560.6	5087.4	3.67472	mg/L	3.67472	mg/L	13:44:55
2	SIO2 251.611 Rt	5560.6	5087.4	7.86390	mg/L	7.86390	mg/L	13:44:55
2	Sr 421.552 Rt	41898.2	38482.9	0.047521	mg/L	0.047521	mg/L	13:44:35
2	Lu 261.542 A	2716278.4	2716278.4	112.039	%			13:45:53
2	Ag 328.068 At	-549.6	-138.2	0.009109	mg/L	0.009109	mg/L	13:46:04
2	As 188.979 At	117.4	113.3	0.124235	mg/L	0.124235	mg/L	13:46:24
2	Ba 233.527 At	13904.1	12463.9	0.286092	mg/L	0.286092	mg/L	13:46:04
2	Bi 222.821 At	184.9	130.8	-0.109034	mg/L	-0.109034	mg/L	13:46:24
2	Cd 226.502 At	2477.5	2268.2	0.000222	mg/L	0.000222	mg/L	13:46:04
2	Co 228.616 At	530.8	560.7	0.029393	mg/L	0.029393	mg/L	13:46:24
2	Cr 267.716 At	97607.0	86955.5	2.20720	mg/L	2.20720	mg/L	13:46:04
2	Cu 324.752 At	167577.5	147010.7	0.817686	mg/L	0.817686	mg/L	13:45:53

Method: ILM05 OPT5 Page 8 Date: 5/20/2009 1:46:26 PM

2	Ga 417.206 At	5563.7	5041.2	0.002057 mg/L	0.002057 mg/L	13:46:04
2	La 379.478 At	15032.1	13881.9	0.070411 mg/L	0.070411 mg/L	13:45:53
2	Mo 202.031 At	584.7	491.7	0.061277 mg/L	0.061277 mg/L	13:46:04
2	Ni 232.003 At	2399.2	2227.0	0.388522 mg/L	0.388522 mg/L	13:46:04
2	P 213.617 At	5918.2	5348.8	3.19276 mg/L	3.19276 mg/L	13:46:04
2	Pb 220.353 At	14357.5	12772.4	3.26015 mg/L	3.26015 mg/L	13:46:04
2	Sb 206.836 At	80.6	82.3	0.020023 mg/L	0.020023 mg/L	13:46:24
2	Sc 361.383 At	4156.2	3703.0	0.003156 mg/L	0.003156 mg/L	13:46:04
2	Se 196.026 At	-47.5	-16.7	-0.006221 mg/L	-0.006221 mg/L	13:46:24
2	Sn 189.927 At	7881.8	7063.1	2.68235 mg/L	2.68235 mg/L	13:46:04
2	Ti 336.121 At	143049.6	128109.9	0.467262 mg/L	0.467262 mg/L	13:45:53
2	Tl 190.801 At	-16.0	-6.2	0.009466 mg/L	0.009466 mg/L	13:46:24
2	V 292.402 At	7502.0	6993.0	0.070979 mg/L	0.070979 mg/L	13:46:04
2	Zn 206.200 At	74550.5	66515.0	6.65594 mg/L	6.65594 mg/L	13:46:04

Mean Data: ~~ME2QS0-5X~~ 222222 KG 05/26/2009

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	186920.2	107.706	%	0.8922				0.83%
Lu 261.542 A	2715353.6	112.001	%	0.0539				0.05%
Ag 328.068 At	-147.0	0.009065	mg/L	0.0000622	0.009065	mg/L	0.0000622	0.69%
Al 308.215 Rt	16051.3	16.4826	mg/L	0.12319	16.4826	mg/L	0.12319	0.75%
As 188.979 At	111.0	0.121673	mg/L	0.0036237	0.121673	mg/L	0.0036237	2.98%
B 249.677 Rt	82.3	0.046025	mg/L	0.0011284	0.046025	mg/L	0.0011284	2.45%
Ba 233.527 At	12427.0	0.285247	mg/L	0.0011952	0.285247	mg/L	0.0011952	0.42%
Be 313.107 Rt	292.4	0.002203	mg/L	0.0000252	0.002203	mg/L	0.0000252	1.14%
Bi 222.821 At	128.8	-0.110955	mg/L	0.0027167	-0.110955	mg/L	0.0027167	2.45%
Ca 315.887 Rt	51434.6	13.9013	mg/L	0.00716	13.9013	mg/L	0.00716	0.05%
Cd 226.502 At	2265.8	0.000070	mg/L	0.0002145	0.000070	mg/L	0.0002145	305.96%
Co 228.616 At	561.0	0.029407	mg/L	0.0000198	0.029407	mg/L	0.0000198	0.07%
Cr 267.716 At	86796.3	2.20315	mg/L	0.005717	2.20315	mg/L	0.005717	0.26%
Cu 324.752 At	147146.6	0.818443	mg/L	0.0010704	0.818443	mg/L	0.0010704	0.13%
Fe 273.955 Rt	221910.4	248.967	mg/L	0.4439	248.967	mg/L	0.4439	0.18%
Ga 417.206 At	5066.7	0.002289	mg/L	0.0003285	0.002289	mg/L	0.0003285	14.35%
K 766.490 Rt	23172.2	8.86045	mg/L	0.005505	8.86045	mg/L	0.005505	0.06%
La 379.478 At	13742.4	0.069703	mg/L	0.0010008	0.069703	mg/L	0.0010008	1.44%
Li 670.784 Rt	1099.0	0.011789	mg/L	0.0000885	0.011789	mg/L	0.0000885	0.75%
Mg 279.077 Rt	3876.4	7.41396	mg/L	0.056718	7.41396	mg/L	0.056718	0.77%
Mn 260.568 Rt	18809.6	1.35292	mg/L	0.010374	1.35292	mg/L	0.010374	0.77%
Mo 202.031 At	490.1	0.061077	mg/L	0.0002836	0.061077	mg/L	0.0002836	0.46%
Na 589.592 Rt	41589.3	5.27370	mg/L	0.018690	5.27370	mg/L	0.018690	0.35%
Ni 232.003 At	2223.7	0.388649	mg/L	0.0001795	0.388649	mg/L	0.0001795	0.05%
P 213.617 At	5339.2	3.18726	mg/L	0.007771	3.18726	mg/L	0.007771	0.24%
Pb 220.353 At	12743.5	3.25271	mg/L	0.010518	3.25271	mg/L	0.010518	0.32%
Sb 206.836 At	85.2	0.021701	mg/L	0.0023731	0.021701	mg/L	0.0023731	10.94%
Sc 361.383 At	3702.8	0.003156	mg/L	0.0000003	0.003156	mg/L	0.0000003	0.01%
Se 196.026 At	-16.7	-0.006023	mg/L	0.0002798	-0.006023	mg/L	0.0002798	4.65%
Si 251.611 Rt	5108.1	3.68966	mg/L	0.021127	3.68966	mg/L	0.021127	0.57%
SIO2 251.611 Rt	5108.1	7.89587	mg/L	0.045211	7.89587	mg/L	0.045211	0.57%
Sn 189.927 At	7052.5	2.67835	mg/L	0.005660	2.67835	mg/L	0.005660	0.21%
Sr 421.552 Rt	38479.5	0.047517	mg/L	0.0000061	0.047517	mg/L	0.0000061	0.01%
Ti 336.121 At	128336.3	0.468088	mg/L	0.0011674	0.468088	mg/L	0.0011674	0.25%
Tl 190.801 At	-6.9	0.008690	mg/L	0.0010983	0.008690	mg/L	0.0010983	12.64%
V 292.402 At	6985.8	0.070864	mg/L	0.0001630	0.070864	mg/L	0.0001630	0.23%
Zn 206.200 At	66309.9	6.63542	mg/L	0.029019	6.63542	mg/L	0.029019	0.44%

Sequence No.: 5
Sample ID: ME2QS1 2X
Analyst: DT
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 71
Date Collected: 5/20/2009 1:48:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Analysis Begun

Start Time: 5/20/2009 1:54:04 PM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902

Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 4
Sample ID: ME2QS0 5X
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 5/20/2009 1:54:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS0 5X

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	183343.3	183343.3	105.645	%			13:55:58
1	Al 308.215 Rt	6205.6	5821.2	5.97760	mg/L	5.97760	mg/L	13:56:18
1	B 249.677 Rt	29.5	20.7	0.013308	mg/L	0.013308	mg/L	13:56:18
1	Be 313.107 Rt	196.0	85.8	0.000744	mg/L	0.000744	mg/L	13:56:18
1	Ca 315.887 Rt	13744.5	13066.0	3.53136	mg/L	3.53136	mg/L	13:56:18
1	Fe 273.955 Rt	147272.1	139384.0	156.379	mg/L	156.379	mg/L	13:55:58
1	K 766.490 Rt	6306.6	5661.1	2.16466	mg/L	2.16466	mg/L	13:56:18
1	Li 670.784 Rt	285.8	165.8	0.001779	mg/L	0.001779	mg/L	13:56:18
1	Mg 279.077 Rt	953.0	899.1	1.71970	mg/L	1.71970	mg/L	13:56:18
1	Mn 260.568 Rt	9680.2	9142.2	0.655411	mg/L	0.655411	mg/L	13:56:18
1	Na 589.592 Rt	19952.9	18806.6	2.38475	mg/L	2.38475	mg/L	13:55:58
1	Si 251.611 Rt	2773.5	2580.0	1.86455	mg/L	1.86455	mg/L	13:56:18
1	SIO2 251.611 Rt	2773.5	2580.0	3.99013	mg/L	3.99013	mg/L	13:56:18
1	Sr 421.552 Rt	11611.8	10800.3	0.013337	mg/L	0.013337	mg/L	13:56:18
1	Lu 261.542 A	2681582.8	2681582.8	110.608	%			13:57:02
1	Ag 328.068 At	-659.5	-243.8	0.004698	mg/L	0.004698	mg/L	13:57:12
1	As 188.979 At	60.0	62.8	0.067980	mg/L	0.067980	mg/L	13:57:32
1	Ba 233.527 At	3416.4	3142.5	0.072133	mg/L	0.072133	mg/L	13:57:12
1	Bi 222.821 At	124.0	77.8	-0.084076	mg/L	-0.084076	mg/L	13:57:12
1	Cd 226.502 At	1363.1	1289.3	-0.003896	mg/L	-0.003896	mg/L	13:57:12
1	Co 228.616 At	120.2	195.6	0.010235	mg/L	0.010235	mg/L	13:57:32
1	Cr 267.716 At	76309.9	68828.2	1.74714	mg/L	1.74714	mg/L	13:57:12
1	Cu 324.752 At	78453.3	68369.4	0.380318	mg/L	0.380318	mg/L	13:57:12
1	Ga 417.206 At	3355.9	3109.4	0.001045	mg/L	0.001045	mg/L	13:57:12
1	La 379.478 At	7156.3	6935.0	0.035175	mg/L	0.035175	mg/L	13:57:12
1	Mo 202.031 At	214.4	163.6	0.021224	mg/L	0.021224	mg/L	13:57:12
1	Ni 232.003 At	795.5	804.9	0.175837	mg/L	0.175837	mg/L	13:57:12
1	P 213.617 At	2874.7	2665.4	1.59897	mg/L	1.59897	mg/L	13:57:12
1	Pb 220.353 At	4922.5	4408.1	1.12048	mg/L	1.12048	mg/L	13:57:12
1	Sb 206.836 At	62.4	66.8	0.017897	mg/L	0.017897	mg/L	13:57:32
1	Sc 361.383 At	1639.7	1475.9	0.001258	mg/L	0.001258	mg/L	13:57:12
1	Se 196.026 At	-41.1	-11.5	-0.005710	mg/L	-0.005710	mg/L	13:57:32
1	Sn 189.927 At	2367.6	2168.7	0.823611	mg/L	0.823611	mg/L	13:57:32
1	Ti 336.121 At	51249.0	46765.5	0.170604	mg/L	0.170604	mg/L	13:57:12
1	Tl 190.801 At	-15.4	-5.9	0.002931	mg/L	0.002931	mg/L	13:57:32
1	V 292.402 At	2781.8	2812.1	0.026397	mg/L	0.026397	mg/L	13:57:12
1	Zn 206.200 At	14087.1	12711.3	1.27192	mg/L	1.27192	mg/L	13:57:12
2	Lu 261.542 R	184536.3	184536.3	106.333	%			13:56:28
2	Al 308.215 Rt	6160.7	5741.0	5.89526	mg/L	5.89526	mg/L	13:56:49
2	B 249.677 Rt	27.6	18.7	0.012254	mg/L	0.012254	mg/L	13:56:49

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2	Be 313.107 Rt	196.7	85.2	0.000738 mg/L	0.000738 mg/L	13:56:49
2	Ca 315.887 Rt	13658.8	12901.3	3.48684 mg/L	3.48684 mg/L	13:56:49
2	Fe 273.955 Rt	147860.4	139036.0	155.988 mg/L	155.988 mg/L	13:56:28
2	K 766.490 Rt	6259.0	5577.7	2.13279 mg/L	2.13279 mg/L	13:56:49
2	Li 670.784 Rt	318.8	195.1	0.002093 mg/L	0.002093 mg/L	13:56:49
2	Mg 279.077 Rt	945.1	885.9	1.69440 mg/L	1.69440 mg/L	13:56:49
2	Mn 260.568 Rt	9602.3	9009.8	0.645797 mg/L	0.645797 mg/L	13:56:49
2	Na 589.592 Rt	19957.9	18689.2	2.36987 mg/L	2.36987 mg/L	13:56:28
2	Si 251.611 Rt	2744.0	2535.3	1.83220 mg/L	1.83220 mg/L	13:56:49
2	SIO2 251.611 Rt	2744.0	2535.3	3.92090 mg/L	3.92090 mg/L	13:56:49
2	Sr 421.552 Rt	11562.6	10683.0	0.013192 mg/L	0.013192 mg/L	13:56:49
2	Lu 261.542 A	2701403.1	2701403.1	111.426 %		13:57:44
2	Ag 328.068 At	-638.4	-220.5	0.004871 mg/L	0.004871 mg/L	13:57:54
2	As 188.979 At	49.7	53.2	0.057199 mg/L	0.057199 mg/L	13:58:14
2	Ba 233.527 At	3402.2	3107.2	0.071322 mg/L	0.071322 mg/L	13:57:54
2	Bi 222.821 At	124.9	77.8	-0.083419 mg/L	-0.083419 mg/L	13:57:54
2	Cd 226.502 At	1341.6	1261.0	-0.004613 mg/L	-0.004613 mg/L	13:57:54
2	Co 228.616 At	122.0	196.4	0.010283 mg/L	0.010283 mg/L	13:58:14
2	Cr 267.716 At	76147.4	68176.2	1.73059 mg/L	1.73059 mg/L	13:57:54
2	Cu 324.752 At	77964.6	67410.4	0.374983 mg/L	0.374983 mg/L	13:57:54
2	Ga 417.206 At	3300.8	3037.7	0.000279 mg/L	0.000279 mg/L	13:57:54
2	La 379.478 At	7028.5	6772.8	0.034353 mg/L	0.034353 mg/L	13:57:54
2	Mo 202.031 At	216.5	164.2	0.021300 mg/L	0.021300 mg/L	13:57:54
2	Ni 232.003 At	802.8	806.1	0.176069 mg/L	0.176069 mg/L	13:57:54
2	P 213.617 At	2880.7	2651.7	1.59097 mg/L	1.59097 mg/L	13:57:54
2	Pb 220.353 At	4896.0	4351.7	1.10603 mg/L	1.10603 mg/L	13:57:54
2	Sb 206.836 At	62.8	66.8	0.018024 mg/L	0.018024 mg/L	13:58:14
2	Sc 361.383 At	1597.2	1426.9	0.001216 mg/L	0.001216 mg/L	13:57:54
2	Se 196.026 At	-40.0	-10.3	-0.003023 mg/L	-0.003023 mg/L	13:58:14
2	Sn 189.927 At	2374.5	2159.2	0.819999 mg/L	0.819999 mg/L	13:58:14
2	Ti 336.121 At	51025.4	46224.9	0.168632 mg/L	0.168632 mg/L	13:57:54
2	Tl 190.801 At	-15.2	-5.5	0.003280 mg/L	0.003280 mg/L	13:58:14
2	V 292.402 At	2731.7	2748.7	0.025639 mg/L	0.025639 mg/L	13:57:54
2	Zn 206.200 At	14035.6	12571.7	1.25796 mg/L	1.25796 mg/L	13:57:54

Mean Data: ME2QS0 5X

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	183939.8	105.989	%	0.4861				0.46%
Lu 261.542 A	2691493.0	111.017	%	0.5781				0.52%
Ag 328.068 At	-232.2	0.004784	mg/L	0.0001225	0.004784	mg/L	0.0001225	2.56%
Al 308.215 Rt	5781.1	5.93643	mg/L	0.058222	5.93643	mg/L	0.058222	0.98%
As 188.979 At	58.0	0.062590	mg/L	0.0076237	0.062590	mg/L	0.0076237	12.18%
B 249.677 Rt	19.7	0.012781	mg/L	0.0007452	0.012781	mg/L	0.0007452	5.83%
Ba 233.527 At	3124.9	0.071728	mg/L	0.0005735	0.071728	mg/L	0.0005735	0.80%
Be 313.107 Rt	85.5	0.000741	mg/L	0.0000037	0.000741	mg/L	0.0000037	0.50%
Bi 222.821 At	77.8	-0.083748	mg/L	0.0004646	-0.083748	mg/L	0.0004646	0.55%
Ca 315.887 Rt	12983.6	3.50910	mg/L	0.031481	3.50910	mg/L	0.031481	0.90%
Cd 226.502 At	1275.1	-0.004254	mg/L	0.0005068	-0.004254	mg/L	0.0005068	11.91%
Co 228.616 At	196.0	0.010259	mg/L	0.0000336	0.010259	mg/L	0.0000336	0.33%
Cr 267.716 At	68502.2	1.73886	mg/L	0.011703	1.73886	mg/L	0.011703	0.67%
Cu 324.752 At	67889.9	0.377651	mg/L	0.0037722	0.377651	mg/L	0.0037722	1.00%
Fe 273.955 Rt	139210.0	156.184	mg/L	0.2760	156.184	mg/L	0.2760	0.18%
Ga 417.206 At	3073.5	0.000662	mg/L	0.0005413	0.000662	mg/L	0.0005413	81.77%
K 766.490 Rt	5619.4	2.14872	mg/L	0.022541	2.14872	mg/L	0.022541	1.05%
La 379.478 At	6853.9	0.034764	mg/L	0.0005817	0.034764	mg/L	0.0005817	1.67%
Li 670.784 Rt	180.4	0.001936	mg/L	0.0002219	0.001936	mg/L	0.0002219	11.47%
Mg 279.077 Rt	892.5	1.70705	mg/L	0.017888	1.70705	mg/L	0.017888	1.05%
Mn 260.568 Rt	9076.0	0.650604	mg/L	0.0067980	0.650604	mg/L	0.0067980	1.04%
Mo 202.031 At	163.9	0.021262	mg/L	0.0000534	0.021262	mg/L	0.0000534	0.25%
Na 589.592 Rt	18747.9	2.37731	mg/L	0.010523	2.37731	mg/L	0.010523	0.44%
Ni 232.003 At	805.5	0.175953	mg/L	0.0001639	0.175953	mg/L	0.0001639	0.09%
P 213.617 At	2658.6	1.59497	mg/L	0.005657	1.59497	mg/L	0.005657	0.35%
Pb 220.353 At	4379.9	1.11326	mg/L	0.010216	1.11326	mg/L	0.010216	0.92%
Sb 206.836 At	66.8	0.017960	mg/L	0.0000899	0.017960	mg/L	0.0000899	0.50%
Sc 361.383 At	1451.4	0.001237	mg/L	0.0000295	0.001237	mg/L	0.0000295	2.39%
Se 196.026 At	-10.9	-0.004366	mg/L	0.0019007	-0.004366	mg/L	0.0019007	43.53%
Si 251.611 Rt	2557.7	1.84837	mg/L	0.022875	1.84837	mg/L	0.022875	1.24%
SIO2 251.611 Rt	2557.7	3.95551	mg/L	0.048953	3.95551	mg/L	0.048953	1.24%
Sn 189.927 At	2163.9	0.821805	mg/L	0.0025544	0.821805	mg/L	0.0025544	0.31%
Sr 421.552 Rt	10741.7	0.013264	mg/L	0.0001025	0.013264	mg/L	0.0001025	0.77%

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Ti 336.121 At	46495.2	0.169618 mg/L	0.0013945	0.169618 mg/L	0.0013945	0.82%
Tl 190.801 At	-5.7	0.003105 mg/L	0.0002469	0.003105 mg/L	0.0002469	7.95%
V 292.402 At	2780.4	0.026018 mg/L	0.0005354	0.026018 mg/L	0.0005354	2.06%
Zn 206.200 At	12641.5	1.26494 mg/L	0.009877	1.26494 mg/L	0.009877	0.78%

Sequence No.: 5
Sample ID: ME2QS1 2X
Analyst: DT
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 71
Date Collected: 5/20/2009 2:00:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Analysis Begun

Start Time: 5/20/2009 2:01:03 PM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902

Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140A
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 6
Sample ID: ME2QS2 2X
Analyst: DT
Initial Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 5/20/2009 2:01:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS2 2X

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	187457.9	187457.9	108.016	%			14:02:54
1	Al 308.215 Rt	17277.2	15942.2	16.3706	mg/L	16.3706	mg/L	14:03:14
1	B 249.677 Rt	93.2	79.0	0.044313	mg/L	0.044313	mg/L	14:03:14
1	Be 313.107 Rt	420.6	289.6	0.002184	mg/L	0.002184	mg/L	14:03:14
1	Ca 315.887 Rt	55596.2	51526.3	13.9260	mg/L	13.9260	mg/L	14:02:54
1	Fe 273.955 Rt	240849.0	222956.5	250.140	mg/L	250.140	mg/L	14:02:54
1	K 766.490 Rt	25594.4	23386.5	8.94240	mg/L	8.94240	mg/L	14:02:54
1	Li 670.784 Rt	1305.3	1103.7	0.011840	mg/L	0.011840	mg/L	14:03:14
1	Mg 279.077 Rt	4181.5	3868.2	7.39837	mg/L	7.39837	mg/L	14:03:14
1	Mn 260.568 Rt	20189.2	18670.2	1.34270	mg/L	1.34270	mg/L	14:03:14
1	Na 589.592 Rt	45290.4	41849.2	5.30666	mg/L	5.30666	mg/L	14:02:54
1	Si 251.611 Rt	5673.1	5206.8	3.76102	mg/L	3.76102	mg/L	14:03:14
1	SIO2 251.611 Rt	5673.1	5206.8	8.04859	mg/L	8.04859	mg/L	14:03:14
1	Sr 421.552 Rt	42227.0	38902.2	0.048039	mg/L	0.048039	mg/L	14:02:54
1	Lu 261.542 A	2706487.1	2706487.1	111.635	%			14:03:59
1	Ag 328.068 At	-537.9	-129.4	0.009238	mg/L	0.009238	mg/L	14:04:10
1	As 188.979 At	115.3	111.9	0.122570	mg/L	0.122570	mg/L	14:04:30
1	Ba 233.527 At	13901.9	12506.8	0.287079	mg/L	0.287079	mg/L	14:04:10
1	Bi 222.821 At	185.6	132.0	-0.109015	mg/L	-0.109015	mg/L	14:04:30
1	Cd 226.502 At	2444.3	2246.5	-0.000796	mg/L	-0.000796	mg/L	14:04:10
1	Co 228.616 At	538.6	569.3	0.029847	mg/L	0.029847	mg/L	14:04:30
1	Cr 267.716 At	97421.3	87104.4	2.21098	mg/L	2.21098	mg/L	14:04:10
1	Cu 324.752 At	168354.7	148248.1	0.824575	mg/L	0.824575	mg/L	14:03:59
1	Ga 417.206 At	5589.0	5081.8	0.002183	mg/L	0.002183	mg/L	14:04:10
1	La 379.478 At	15227.7	14105.6	0.071546	mg/L	0.071546	mg/L	14:03:59
1	Mo 202.031 At	588.0	496.5	0.061836	mg/L	0.061836	mg/L	14:04:10
1	Ni 232.003 At	2389.2	2225.9	0.389732	mg/L	0.389732	mg/L	14:04:10
1	P 213.617 At	5912.4	5362.7	3.20135	mg/L	3.20135	mg/L	14:04:10
1	Pb 220.353 At	14321.7	12786.7	3.26372	mg/L	3.26372	mg/L	14:04:10
1	Sb 206.836 At	91.3	92.2	0.025573	mg/L	0.025573	mg/L	14:04:30
1	Sc 361.383 At	4139.9	3701.8	0.003155	mg/L	0.003155	mg/L	14:04:10
1	Se 196.026 At	-47.1	-16.5	-0.005530	mg/L	-0.005530	mg/L	14:04:30
1	Sn 189.927 At	7878.0	7085.1	2.69074	mg/L	2.69074	mg/L	14:04:10
1	Ti 336.121 At	144385.4	129768.3	0.473314	mg/L	0.473314	mg/L	14:03:59
1	Tl 190.801 At	-16.1	-6.4	0.009341	mg/L	0.009341	mg/L	14:04:30
1	V 292.402 At	7540.2	7051.4	0.071584	mg/L	0.071584	mg/L	14:04:10
1	Zn 206.200 At	74954.3	67117.3	6.71622	mg/L	6.71622	mg/L	14:04:10
2	Lu 261.542 R	187121.5	187121.5	107.822	%			14:03:24
2	Al 308.215 Rt	17469.1	16149.0	16.5829	mg/L	16.5829	mg/L	14:03:45
2	B 249.677 Rt	96.8	82.5	0.046128	mg/L	0.046128	mg/L	14:03:45

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2	Be 313.107 Rt	422.8	292.4	0.002204 mg/L	0.002204 mg/L	14:03:45
2	Ca 315.887 Rt	55496.9	51526.7	13.9262 mg/L	13.9262 mg/L	14:03:24
2	Fe 273.955 Rt	240152.1	222711.0	249.865 mg/L	249.865 mg/L	14:03:24
2	K 766.490 Rt	25559.8	23397.0	8.94641 mg/L	8.94641 mg/L	14:03:24
2	Li 670.784 Rt	1326.4	1125.4	0.012073 mg/L	0.012073 mg/L	14:03:45
2	Mg 279.077 Rt	4198.3	3890.8	7.44153 mg/L	7.44153 mg/L	14:03:45
2	Mn 260.568 Rt	20358.7	18861.1	1.35661 mg/L	1.35661 mg/L	14:03:45
2	Na 589.592 Rt	45003.6	41658.6	5.28248 mg/L	5.28248 mg/L	14:03:24
2	Si 251.611 Rt	5717.4	5257.3	3.79757 mg/L	3.79757 mg/L	14:03:45
2	SIO2 251.611 Rt	5717.4	5257.3	8.12680 mg/L	8.12680 mg/L	14:03:45
2	Sr 421.552 Rt	42094.4	38849.6	0.047974 mg/L	0.047974 mg/L	14:03:24
2	Lu 261.542 A	2712463.9	2712463.9	111.882 %		14:04:42
2	Ag 328.068 At	-530.6	-121.9	0.009276 mg/L	0.009276 mg/L	14:04:53
2	As 188.979 At	116.1	112.4	0.123174 mg/L	0.123174 mg/L	14:05:13
2	Ba 233.527 At	13965.5	12536.2	0.287752 mg/L	0.287752 mg/L	14:04:53
2	Bi 222.821 At	176.6	123.5	-0.116713 mg/L	-0.116713 mg/L	14:05:13
2	Cd 226.502 At	2498.4	2290.0	0.000542 mg/L	0.000542 mg/L	14:04:53
2	Co 228.616 At	546.4	575.3	0.030172 mg/L	0.030172 mg/L	14:05:13
2	Cr 267.716 At	97805.5	87255.5	2.21481 mg/L	2.21481 mg/L	14:04:53
2	Cu 324.752 At	169300.4	148761.1	0.827427 mg/L	0.827427 mg/L	14:04:42
2	Ga 417.206 At	5580.1	5062.8	0.002015 mg/L	0.002015 mg/L	14:04:53
2	La 379.478 At	14734.6	13634.8	0.069158 mg/L	0.069158 mg/L	14:04:42
2	Mo 202.031 At	590.4	497.5	0.061936 mg/L	0.061936 mg/L	14:04:53
2	Ni 232.003 At	2456.9	2281.6	0.394703 mg/L	0.394703 mg/L	14:04:53
2	P 213.617 At	5950.5	5385.0	3.21419 mg/L	3.21419 mg/L	14:04:53
2	Pb 220.353 At	14403.6	12831.6	3.27527 mg/L	3.27527 mg/L	14:04:53
2	Sb 206.836 At	91.9	92.5	0.025722 mg/L	0.025722 mg/L	14:05:13
2	Sc 361.383 At	4182.0	3731.3	0.003180 mg/L	0.003180 mg/L	14:04:53
2	Se 196.026 At	-46.3	-15.7	-0.003835 mg/L	-0.003835 mg/L	14:05:13
2	Sn 189.927 At	7889.9	7080.2	2.68887 mg/L	2.68887 mg/L	14:04:53
2	Ti 336.121 At	144799.3	129853.3	0.473623 mg/L	0.473623 mg/L	14:04:42
2	Tl 190.801 At	-18.2	-8.2	0.007080 mg/L	0.007080 mg/L	14:05:13
2	V 292.402 At	7556.3	7050.9	0.071604 mg/L	0.071604 mg/L	14:04:53
2	Zn 206.200 At	75347.9	67321.2	6.73662 mg/L	6.73662 mg/L	14:04:53

Mean Data: ME2QS2 2X

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	187289.7	107.919	%	0.1371				0.13%
Lu 261.542 A	2709475.5	111.759	%	0.1743				0.16%
Ag 328.068 At	-125.7	0.009257	mg/L	0.0000266	0.009257	mg/L	0.0000266	0.29%
Al 308.215 Rt	16045.6	16.4767	mg/L	0.15014	16.4767	mg/L	0.15014	0.91%
As 188.979 At	112.1	0.122872	mg/L	0.0004266	0.122872	mg/L	0.0004266	0.35%
B 249.677 Rt	80.8	0.045221	mg/L	0.0012832	0.045221	mg/L	0.0012832	2.84%
Ba 233.527 At	12521.5	0.287415	mg/L	0.0004762	0.287415	mg/L	0.0004762	0.17%
Be 313.107 Rt	291.0	0.002194	mg/L	0.0000139	0.002194	mg/L	0.0000139	0.63%
Bi 222.821 At	127.7	-0.112864	mg/L	0.0054437	-0.112864	mg/L	0.0054437	4.82%
Ca 315.887 Rt	51526.5	13.9261	mg/L	0.00008	13.9261	mg/L	0.00008	0.00%
Cd 226.502 At	2268.2	-0.000127	mg/L	0.0009458	-0.000127	mg/L	0.0009458	744.47%
Co 228.616 At	572.3	0.030010	mg/L	0.0002296	0.030010	mg/L	0.0002296	0.77%
Cr 267.716 At	87179.9	2.21289	mg/L	0.002710	2.21289	mg/L	0.002710	0.12%
Cu 324.752 At	148504.6	0.826001	mg/L	0.0020163	0.826001	mg/L	0.0020163	0.24%
Fe 273.955 Rt	222833.8	250.003	mg/L	0.1948	250.003	mg/L	0.1948	0.08%
Ga 417.206 At	5072.3	0.002099	mg/L	0.0001184	0.002099	mg/L	0.0001184	5.64%
K 766.490 Rt	23391.8	8.94440	mg/L	0.002836	8.94440	mg/L	0.002836	0.03%
La 379.478 At	13870.2	0.070352	mg/L	0.0016884	0.070352	mg/L	0.0016884	2.40%
Li 670.784 Rt	1114.6	0.011957	mg/L	0.0001645	0.011957	mg/L	0.0001645	1.38%
Mg 279.077 Rt	3879.5	7.41995	mg/L	0.030520	7.41995	mg/L	0.030520	0.41%
Mn 260.568 Rt	18765.6	1.34965	mg/L	0.009833	1.34965	mg/L	0.009833	0.73%
Mo 202.031 At	497.0	0.061886	mg/L	0.0000708	0.061886	mg/L	0.0000708	0.11%
Na 589.592 Rt	41753.9	5.29457	mg/L	0.017095	5.29457	mg/L	0.017095	0.32%
Ni 232.003 At	2253.8	0.392218	mg/L	0.0035150	0.392218	mg/L	0.0035150	0.90%
P 213.617 At	5373.8	3.20777	mg/L	0.009083	3.20777	mg/L	0.009083	0.28%
Pb 220.353 At	12809.2	3.26949	mg/L	0.008165	3.26949	mg/L	0.008165	0.25%
Sb 206.836 At	92.4	0.025647	mg/L	0.0001055	0.025647	mg/L	0.0001055	0.41%
Sc 361.383 At	3716.6	0.003168	mg/L	0.0000177	0.003168	mg/L	0.0000177	0.56%
Se 196.026 At	-16.1	-0.004683	mg/L	0.0011985	-0.004683	mg/L	0.0011985	25.60%
Si 251.611 Rt	5232.0	3.77930	mg/L	0.025841	3.77930	mg/L	0.025841	0.68%
SIO2 251.611 Rt	5232.0	8.08769	mg/L	0.055300	8.08769	mg/L	0.055300	0.68%
Sn 189.927 At	7082.7	2.68980	mg/L	0.001322	2.68980	mg/L	0.001322	0.05%
Sr 421.552 Rt	38875.9	0.048006	mg/L	0.0000460	0.048006	mg/L	0.0000460	0.10%

Ti 336.121 At	129810.8	0.473469 mg/L	0.0002188	0.473469 mg/L	0.0002188	0.05%
Tl 190.801 At	-7.3	0.008210 mg/L	0.0015984	0.008210 mg/L	0.0015984	19.47%
V 292.402 At	7051.1	0.071594 mg/L	0.0000143	0.071594 mg/L	0.0000143	0.02%
Zn 206.200 At	67219.3	6.72642 mg/L	0.014425	6.72642 mg/L	0.014425	0.21%

Sequence No.: 7
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2009 2:07:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	186040.6	186040.6	107.199	%			14:08:55
1	Al 308.215 Rt	89.7	30.8	0.031085	mg/L	0.031085	mg/L	14:09:15
1	B 249.677 Rt	20.3	11.7	0.006012	mg/L	0.006012	mg/L	14:09:15
1	Be 313.107 Rt	771.7	620.1	0.004335	mg/L	0.004335	mg/L	14:09:15
1	Ca 315.887 Rt	262.4	300.7	0.081276	mg/L	0.081276	mg/L	14:09:15
1	Fe 273.955 Rt	28.2	7.7	0.008471	mg/L	0.008471	mg/L	14:09:15
1	K 766.490 Rt	303.9	-25.0	-0.009572	mg/L	-0.009572	mg/L	14:08:55
1	Li 670.784 Rt	85.0	-25.4	-0.000272	mg/L	-0.000272	mg/L	14:08:55
1	Mg 279.077 Rt	-2.9	-5.6	-0.010704	mg/L	-0.010704	mg/L	14:09:15
1	Mn 260.568 Rt	212.6	177.6	0.012898	mg/L	0.012898	mg/L	14:09:15
1	Na 589.592 Rt	104.8	17.6	0.002233	mg/L	0.002233	mg/L	14:08:55
1	Si 251.611 Rt	39.5	-8.5	-0.006124	mg/L	-0.006124	mg/L	14:09:15
1	SIO2 251.611 Rt	39.5	-8.5	-0.013104	mg/L	-0.013104	mg/L	14:09:15
1	Sr 421.552 Rt	629.4	396.2	0.000489	mg/L	0.000489	mg/L	14:08:55
1	Lu 261.542 A	2741254.5	2741254.5	113.069	%			14:09:59
1	Ag 328.068 At	880.7	1131.3	0.007929	mg/L	0.007929	mg/L	14:10:09
1	As 188.979 At	0.8	9.3	0.010493	mg/L	0.010493	mg/L	14:10:29
1	Ba 233.527 At	-59.4	1.3	0.000030	mg/L	0.000030	mg/L	14:10:29
1	Bi 222.821 At	39.8	0.9	0.000878	mg/L	0.000878	mg/L	14:10:29
1	Cd 226.502 At	124.3	166.9	0.004843	mg/L	0.004843	mg/L	14:10:29
1	Co 228.616 At	831.7	822.5	0.044729	mg/L	0.044729	mg/L	14:10:29
1	Cr 267.716 At	606.5	373.3	0.009468	mg/L	0.009468	mg/L	14:10:29
1	Cu 324.752 At	8581.8	5030.2	0.027993	mg/L	0.027993	mg/L	14:10:09
1	Ga 417.206 At	-38.1	41.6	0.000500	mg/L	0.000500	mg/L	14:10:09
1	La 379.478 At	-456.9	60.9	0.000309	mg/L	0.000309	mg/L	14:10:09
1	Mo 202.031 At	35.8	1.5	0.000180	mg/L	0.000180	mg/L	14:10:29
1	Ni 232.003 At	315.0	364.2	0.034539	mg/L	0.034539	mg/L	14:10:29
1	P 213.617 At	-63.0	10.7	0.005511	mg/L	0.005511	mg/L	14:10:29
1	Pb 220.353 At	80.7	29.1	0.007450	mg/L	0.007450	mg/L	14:10:29
1	Sb 206.836 At	104.7	103.0	0.058795	mg/L	0.058795	mg/L	14:10:29
1	Sc 361.383 At	-1.7	-8.1	-0.000007	mg/L	-0.000007	mg/L	14:10:09
1	Se 196.026 At	-6.1	20.3	0.043765	mg/L	0.043765	mg/L	14:10:29
1	Sn 189.927 At	-26.7	4.5	0.001727	mg/L	0.001727	mg/L	14:10:29
1	Ti 336.121 At	-624.4	-120.5	-0.000440	mg/L	-0.000440	mg/L	14:10:09
1	Tl 190.801 At	8.1	15.3	0.018926	mg/L	0.018926	mg/L	14:10:29
1	V 292.402 At	4273.1	4076.3	0.048503	mg/L	0.048503	mg/L	14:10:09
1	Zn 206.200 At	698.4	593.0	0.059327	mg/L	0.059327	mg/L	14:10:29
2	Lu 261.542 R	184326.1	184326.1	106.211	%			14:09:26
2	Al 308.215 Rt	97.5	39.0	0.039440	mg/L	0.039440	mg/L	14:09:46
2	B 249.677 Rt	21.2	12.7	0.006553	mg/L	0.006553	mg/L	14:09:46
2	Be 313.107 Rt	776.7	631.5	0.004415	mg/L	0.004415	mg/L	14:09:46
2	Ca 315.887 Rt	279.7	319.3	0.086301	mg/L	0.086301	mg/L	14:09:46
2	Fe 273.955 Rt	26.3	6.1	0.006697	mg/L	0.006697	mg/L	14:09:46
2	K 766.490 Rt	335.8	7.6	0.002923	mg/L	0.002923	mg/L	14:09:26
2	Li 670.784 Rt	83.1	-26.4	-0.000284	mg/L	-0.000284	mg/L	14:09:26
2	Mg 279.077 Rt	-3.6	-6.3	-0.011984	mg/L	-0.011984	mg/L	14:09:46
2	Mn 260.568 Rt	211.1	178.1	0.012931	mg/L	0.012931	mg/L	14:09:46
2	Na 589.592 Rt	96.7	10.9	0.001386	mg/L	0.001386	mg/L	14:09:26
2	Si 251.611 Rt	38.5	-9.0	-0.006510	mg/L	-0.006510	mg/L	14:09:46
2	SIO2 251.611 Rt	38.5	-9.0	-0.013932	mg/L	-0.013932	mg/L	14:09:46
2	Sr 421.552 Rt	641.0	412.5	0.000509	mg/L	0.000509	mg/L	14:09:26
2	Lu 261.542 A	2728628.2	2728628.2	112.549	%			14:10:41
2	Ag 328.068 At	881.0	1135.2	0.007952	mg/L	0.007952	mg/L	14:10:51
2	As 188.979 At	2.5	10.8	0.012173	mg/L	0.012173	mg/L	14:11:11
2	Ba 233.527 At	-59.5	1.0	0.000022	mg/L	0.000022	mg/L	14:11:11
2	Bi 222.821 At	38.3	-0.2	-0.000191	mg/L	-0.000191	mg/L	14:11:11
2	Cd 226.502 At	127.0	169.8	0.004927	mg/L	0.004927	mg/L	14:11:11
2	Co 228.616 At	836.2	829.9	0.045130	mg/L	0.045130	mg/L	14:11:11
2	Cr 267.716 At	605.3	374.7	0.009502	mg/L	0.009502	mg/L	14:11:11
2	Cu 324.752 At	8618.3	5097.7	0.028369	mg/L	0.028369	mg/L	14:10:51

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2	Ga 417.206 At	8.7	83.0	0.000999 mg/L	0.000999 mg/L	14:10:51
2	La 379.478 At	-441.1	73.1	0.000371 mg/L	0.000371 mg/L	14:10:51
2	Mo 202.031 At	35.7	1.5	0.000189 mg/L	0.000189 mg/L	14:11:11
2	Ni 232.003 At	317.2	367.5	0.034847 mg/L	0.034847 mg/L	14:11:11
2	P 213.617 At	-63.0	10.5	0.005383 mg/L	0.005383 mg/L	14:11:11
2	Pb 220.353 At	75.0	24.3	0.006226 mg/L	0.006226 mg/L	14:11:11
2	Sb 206.836 At	100.8	99.9	0.057033 mg/L	0.057033 mg/L	14:11:11
2	Sc 361.383 At	15.6	7.3	0.000006 mg/L	0.000006 mg/L	14:10:51
2	Se 196.026 At	-8.9	17.8	0.038347 mg/L	0.038347 mg/L	14:11:11
2	Sn 189.927 At	-26.0	5.1	0.001946 mg/L	0.001946 mg/L	14:11:11
2	Ti 336.121 At	-615.6	-115.2	-0.000421 mg/L	-0.000421 mg/L	14:10:51
2	Tl 190.801 At	10.3	17.2	0.021297 mg/L	0.021297 mg/L	14:11:11
2	V 292.402 At	4263.6	4085.3	0.048611 mg/L	0.048611 mg/L	14:10:51
2	Zn 206.200 At	689.7	588.1	0.058839 mg/L	0.058839 mg/L	14:11:11

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	185183.4	106.705	%	0.6986				0.65%
Lu 261.542 A	2734941.3	112.809	%	0.3683				0.33%
Ag 328.068 At	1133.3	0.007941	mg/L	0.0000166	0.007941	mg/L	0.0000166	0.21%
QC value within limits for Ag 328.068 A Recovery = 79.41%								
Al 308.215 Rt	34.9	0.035263	mg/L	0.0059078	0.035263	mg/L	0.0059078	16.75%
As 188.979 At	10.1	0.011333	mg/L	0.0011883	0.011333	mg/L	0.0011883	10.49%
QC value within limits for As 188.979 A Recovery = 113.33%								
B 249.677 Rt	12.2	0.006282	mg/L	0.0003830	0.006282	mg/L	0.0003830	6.10%
Ba 233.527 At	1.1	0.000026	mg/L	0.0000054	0.000026	mg/L	0.0000054	20.77%
Be 313.107 Rt	625.8	0.004375	mg/L	0.0000563	0.004375	mg/L	0.0000563	1.29%
QC value within limits for Be 313.107 R Recovery = 87.51%								
Bi 222.821 At	0.3	0.000344	mg/L	0.0007554	0.000344	mg/L	0.0007554	219.84%
Ca 315.887 Rt	310.0	0.083789	mg/L	0.0035530	0.083789	mg/L	0.0035530	4.24%
Cd 226.502 At	168.3	0.004885	mg/L	0.0000588	0.004885	mg/L	0.0000588	1.20%
QC value within limits for Cd 226.502 A Recovery = 97.70%								
Co 228.616 At	826.2	0.044930	mg/L	0.0002835	0.044930	mg/L	0.0002835	0.63%
QC value within limits for Co 228.616 A Recovery = 89.86%								
Cr 267.716 At	374.0	0.009485	mg/L	0.0000244	0.009485	mg/L	0.0000244	0.26%
QC value within limits for Cr 267.716 A Recovery = 94.85%								
Cu 324.752 At	5064.0	0.028181	mg/L	0.0002658	0.028181	mg/L	0.0002658	0.94%
QC value within limits for Cu 324.752 A Recovery = 112.73%								
Fe 273.955 Rt	6.9	0.007584	mg/L	0.0012545	0.007584	mg/L	0.0012545	16.54%
Ga 417.206 At	62.3	0.000749	mg/L	0.0003528	0.000749	mg/L	0.0003528	47.09%
K 766.490 Rt	-8.7	-0.003324	mg/L	0.0088354	-0.003324	mg/L	0.0088354	265.79%
La 379.478 At	67.0	0.000340	mg/L	0.0000438	0.000340	mg/L	0.0000438	12.90%
Li 670.784 Rt	-25.9	-0.000278	mg/L	0.0000080	-0.000278	mg/L	0.0000080	2.87%
Mg 279.077 Rt	-5.9	-0.011344	mg/L	0.0009050	-0.011344	mg/L	0.0009050	7.98%
Mn 260.568 Rt	177.8	0.012914	mg/L	0.0000235	0.012914	mg/L	0.0000235	0.18%
QC value within limits for Mn 260.568 R Recovery = 86.10%								
Mo 202.031 At	1.5	0.000184	mg/L	0.0000067	0.000184	mg/L	0.0000067	3.66%
Na 589.592 Rt	14.3	0.001810	mg/L	0.0005985	0.001810	mg/L	0.0005985	33.08%
Ni 232.003 At	365.9	0.034693	mg/L	0.0002179	0.034693	mg/L	0.0002179	0.63%
QC value within limits for Ni 232.003 A Recovery = 86.73%								
P 213.617 At	10.6	0.005447	mg/L	0.0000904	0.005447	mg/L	0.0000904	1.66%
Pb 220.353 At	26.7	0.006838	mg/L	0.0008661	0.006838	mg/L	0.0008661	12.67%
QC value within limits for Pb 220.353 A Recovery = 68.38%								
Sb 206.836 At	101.5	0.057914	mg/L	0.0012459	0.057914	mg/L	0.0012459	2.15%
QC value within limits for Sb 206.836 A Recovery = 96.52%								
Sc 361.383 At	-0.4	0.000000	mg/L	0.0000092	0.000000	mg/L	0.0000092	>999.9%
Se 196.026 At	19.0	0.041056	mg/L	0.0038306	0.041056	mg/L	0.0038306	9.33%
QC value within limits for Se 196.026 A Recovery = 117.30%								
Si 251.611 Rt	-8.7	-0.006317	mg/L	0.0002734	-0.006317	mg/L	0.0002734	4.33%
SIO2 251.611 Rt	-8.7	-0.013518	mg/L	0.0005850	-0.013518	mg/L	0.0005850	4.33%
Sn 189.927 At	4.8	0.001837	mg/L	0.0001552	0.001837	mg/L	0.0001552	8.45%
Sr 421.552 Rt	404.3	0.000499	mg/L	0.0000142	0.000499	mg/L	0.0000142	2.85%
Ti 336.121 At	-117.9	-0.000431	mg/L	0.0000137	-0.000431	mg/L	0.0000137	3.17%
Tl 190.801 At	16.2	0.020111	mg/L	0.0016766	0.020111	mg/L	0.0016766	8.34%
QC value within limits for Tl 190.801 A Recovery = 80.44%								
V 292.402 At	4080.8	0.048557	mg/L	0.0000761	0.048557	mg/L	0.0000761	0.16%
QC value within limits for V 292.402 A Recovery = 97.11%								
Zn 206.200 At	590.5	0.059083	mg/L	0.0003452	0.059083	mg/L	0.0003452	0.58%
QC value within limits for Zn 206.200 A Recovery = 98.47%								

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2009 2:13:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	184556.5	184556.5	106.344	%			14:14:51
1	Al 308.215 Rt	240236.3	225851.6	231.962	mg/L	231.962	mg/L	14:14:51
1	B 249.677 Rt	2.2	-5.1	-0.002623	mg/L	-0.002623	mg/L	14:15:21
1	Be 313.107 Rt	168.8	59.0	0.000416	mg/L	0.000416	mg/L	14:15:21
1	Ca 315.887 Rt	877805.2	825493.4	223.107	mg/L	223.107	mg/L	14:14:51
1	Fe 273.955 Rt	82761.3	77805.4	87.2706	mg/L	87.2706	mg/L	14:15:01
1	K 766.490 Rt	317.2	-10.3	-0.003929	mg/L	-0.003929	mg/L	14:15:01
1	Li 670.784 Rt	108.3	-2.9	-0.000031	mg/L	-0.000031	mg/L	14:15:01
1	Mg 279.077 Rt	134665.9	126629.1	242.189	mg/L	242.189	mg/L	14:14:51
1	Mn 260.568 Rt	417.8	372.1	0.013899	mg/L	0.013899	mg/L	14:15:21
1	Na 589.592 Rt	6383.1	5922.2	0.750958	mg/L	0.750958	mg/L	14:15:01
1	Si 251.611 Rt	72.2	22.6	0.016269	mg/L	0.016269	mg/L	14:15:21
1	SIO2 251.611 Rt	72.2	22.6	0.034815	mg/L	0.034815	mg/L	14:15:21
1	Sr 421.552 Rt	70497.3	66100.6	0.081625	mg/L	0.081625	mg/L	14:15:01
1	Lu 261.542 A	2599531.9	2599531.9	107.224	%			14:16:16
1	Ag 328.068 At	-849.2	-439.6	0.000644	mg/L	0.000644	mg/L	14:16:26
1	As 188.979 At	-8.5	0.7	-0.000001	mg/L	-0.000001	mg/L	14:16:46
1	Ba 233.527 At	200.2	240.5	0.005521	mg/L	0.005521	mg/L	14:16:46
1	Bi 222.821 At	66.1	27.3	-0.038012	mg/L	-0.038012	mg/L	14:16:46
1	Cd 226.502 At	612.3	628.0	-0.004532	mg/L	-0.004532	mg/L	14:16:46
1	Co 228.616 At	3.1	89.7	0.004878	mg/L	0.004878	mg/L	14:16:46
1	Cr 267.716 At	2018.1	1719.1	0.042166	mg/L	0.042166	mg/L	14:16:46
1	Cu 324.752 At	8448.3	5319.4	0.029601	mg/L	0.029601	mg/L	14:16:26
1	Ga 417.206 At	3790.9	3610.8	0.023509	mg/L	0.023509	mg/L	14:16:26
1	La 379.478 At	4101.4	4290.1	0.021760	mg/L	0.021760	mg/L	14:16:26
1	Mo 202.031 At	85.1	49.2	0.004501	mg/L	0.004501	mg/L	14:16:46
1	Ni 232.003 At	-608.2	-481.5	0.037493	mg/L	0.037493	mg/L	14:16:26
1	P 213.617 At	-29.3	39.1	0.053530	mg/L	0.053530	mg/L	14:16:46
1	Pb 220.353 At	41.7	-3.4	0.003713	mg/L	0.003713	mg/L	14:16:46
1	Sb 206.836 At	-7.9	3.0	-0.001400	mg/L	-0.001400	mg/L	14:16:46
1	Sc 361.383 At	-650.7	-613.4	-0.000523	mg/L	-0.000523	mg/L	14:16:26
1	Se 196.026 At	-7.2	19.0	0.029189	mg/L	0.029189	mg/L	14:16:46
1	Sn 189.927 At	-70.4	-37.5	-0.014236	mg/L	-0.014236	mg/L	14:16:46
1	Ti 336.121 At	-168.7	274.4	-0.005909	mg/L	-0.005909	mg/L	14:16:26
1	Tl 190.801 At	-12.5	-3.5	0.000681	mg/L	0.000681	mg/L	14:16:46
1	V 292.402 At	30.6	325.6	-0.001787	mg/L	-0.001787	mg/L	14:16:26
1	Zn 206.200 At	367.4	317.9	0.031798	mg/L	0.031798	mg/L	14:16:46
2	Lu 261.542 R	182817.2	182817.2	105.342	%			14:15:32
2	Al 308.215 Rt	239136.8	226957.1	233.098	mg/L	233.098	mg/L	14:15:32
2	B 249.677 Rt	1.1	-6.2	-0.003169	mg/L	-0.003169	mg/L	14:16:02
2	Be 313.107 Rt	170.3	61.9	0.000437	mg/L	0.000437	mg/L	14:16:02
2	Ca 315.887 Rt	870049.8	825984.4	223.239	mg/L	223.239	mg/L	14:15:32
2	Fe 273.955 Rt	81945.8	77771.6	87.2328	mg/L	87.2328	mg/L	14:15:42
2	K 766.490 Rt	317.4	-7.2	-0.002754	mg/L	-0.002754	mg/L	14:15:42
2	Li 670.784 Rt	102.6	-7.3	-0.000079	mg/L	-0.000079	mg/L	14:15:42
2	Mg 279.077 Rt	133124.4	126370.6	241.695	mg/L	241.695	mg/L	14:15:32
2	Mn 260.568 Rt	420.6	378.6	0.014389	mg/L	0.014389	mg/L	14:16:02
2	Na 589.592 Rt	6346.0	5944.0	0.753730	mg/L	0.753730	mg/L	14:15:42
2	Si 251.611 Rt	66.3	17.7	0.012674	mg/L	0.012674	mg/L	14:16:02
2	SIO2 251.611 Rt	66.3	17.7	0.027122	mg/L	0.027122	mg/L	14:16:02
2	Sr 421.552 Rt	69877.1	66142.6	0.081677	mg/L	0.081677	mg/L	14:15:42
2	Lu 261.542 A	2601977.4	2601977.4	107.325	%			14:16:57
2	Ag 328.068 At	-854.2	-443.5	0.000621	mg/L	0.000621	mg/L	14:17:08
2	As 188.979 At	-10.9	-1.6	-0.002579	mg/L	-0.002579	mg/L	14:17:28
2	Ba 233.527 At	195.1	235.6	0.005408	mg/L	0.005408	mg/L	14:17:28
2	Bi 222.821 At	71.3	32.1	-0.033527	mg/L	-0.033527	mg/L	14:17:28
2	Cd 226.502 At	603.9	619.6	-0.004758	mg/L	-0.004758	mg/L	14:17:28
2	Co 228.616 At	-0.5	86.4	0.004697	mg/L	0.004697	mg/L	14:17:28
2	Cr 267.716 At	2012.9	1712.5	0.042001	mg/L	0.042001	mg/L	14:17:28
2	Cu 324.752 At	8393.5	5261.0	0.029276	mg/L	0.029276	mg/L	14:17:08

Method: ILMO5 OPT5 Page 18 Date: 5/20/2009 2:17:29 PM

2	Ga 417.206 At	3765.3	3583.7	0.023191 mg/L	0.023191 mg/L	14:17:08
2	La 379.478 At	4093.6	4279.2	0.021705 mg/L	0.021705 mg/L	14:17:08
2	Mo 202.031 At	89.8	53.5	0.005016 mg/L	0.005016 mg/L	14:17:28
2	Ni 232.003 At	-599.4	-472.8	0.038290 mg/L	0.038290 mg/L	14:17:08
2	P 213.617 At	-31.9	36.7	0.052146 mg/L	0.052146 mg/L	14:17:28
2	Pb 220.353 At	42.0	-3.2	0.003826 mg/L	0.003826 mg/L	14:17:28
2	Sb 206.836 At	-8.2	2.8	-0.001529 mg/L	-0.001529 mg/L	14:17:28
2	Sc 361.383 At	-652.0	-614.1	-0.000523 mg/L	-0.000523 mg/L	14:17:08
2	Se 196.026 At	-14.8	11.9	0.014002 mg/L	0.014002 mg/L	14:17:28
2	Sn 189.927 At	-68.4	-35.5	-0.013489 mg/L	-0.013489 mg/L	14:17:28
2	Ti 336.121 At	-161.2	281.5	-0.005874 mg/L	-0.005874 mg/L	14:17:08
2	Tl 190.801 At	-9.1	-0.4	0.004560 mg/L	0.004560 mg/L	14:17:28
2	V 292.402 At	58.2	351.4	-0.001475 mg/L	-0.001475 mg/L	14:17:08
2	Zn 206.200 At	364.6	315.0	0.031503 mg/L	0.031503 mg/L	14:17:28

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	183686.9	105.843	%	0.7087				0.67%
Lu 261.542 A	2600754.6	107.274	%	0.0713				0.07%
Ag 328.068 At	-441.6	0.000632	mg/L	0.0000167	0.000632	mg/L	0.0000167	2.64%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	226404.3	232.530	mg/L	0.8028	232.530	mg/L	0.8028	0.35%
QC value within limits for Al 308.215 R Recovery = 95.26%								
As 188.979 At	-0.5	-0.001290	mg/L	0.0018230	-0.001290	mg/L	0.0018230	141.36%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-5.7	-0.002896	mg/L	0.0003858	-0.002896	mg/L	0.0003858	13.32%
Ba 233.527 At	238.1	0.005464	mg/L	0.0000797	0.005464	mg/L	0.0000797	1.46%
QC value within limits for Ba 233.527 A Recovery = 273.22%								
Be 313.107 Rt	60.5	0.000427	mg/L	0.0000144	0.000427	mg/L	0.0000144	3.37%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	29.7	-0.035769	mg/L	0.0031713	-0.035769	mg/L	0.0031713	8.87%
Ca 315.887 Rt	825738.9	223.173	mg/L	0.0938	223.173	mg/L	0.0938	0.04%
QC value within limits for Ca 315.887 R Recovery = 95.01%								
Cd 226.502 At	623.8	-0.004645	mg/L	0.0001600	-0.004645	mg/L	0.0001600	3.45%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	88.1	0.004788	mg/L	0.0001278	0.004788	mg/L	0.0001278	2.67%
QC value within limits for Co 228.616 A Recovery = 119.69%								
Cr 267.716 At	1715.8	0.042084	mg/L	0.0001161	0.042084	mg/L	0.0001161	0.28%
QC value within limits for Cr 267.716 A Recovery = 97.87%								
Cu 324.752 At	5290.2	0.029439	mg/L	0.0002299	0.029439	mg/L	0.0002299	0.78%
QC value within limits for Cu 324.752 A Recovery = 128.00%								
Fe 273.955 Rt	77788.5	87.2517	mg/L	0.02675	87.2517	mg/L	0.02675	0.03%
QC value within limits for Fe 273.955 R Recovery = 91.27%								
Ga 417.206 At	3597.2	0.023350	mg/L	0.0002246	0.023350	mg/L	0.0002246	0.96%
K 766.490 Rt	-8.7	-0.003341	mg/L	0.0008308	-0.003341	mg/L	0.0008308	24.86%
La 379.478 At	4284.6	0.021732	mg/L	0.0000389	0.021732	mg/L	0.0000389	0.18%
Li 670.784 Rt	-5.1	-0.000055	mg/L	0.0000338	-0.000055	mg/L	0.0000338	61.99%
Mg 279.077 Rt	126499.9	241.942	mg/L	0.3497	241.942	mg/L	0.3497	0.14%
QC value within limits for Mg 279.077 R Recovery = 97.75%								
Mn 260.568 Rt	375.4	0.014144	mg/L	0.0003460	0.014144	mg/L	0.0003460	2.45%
QC value within limits for Mn 260.568 R Recovery = 74.44%								
Mo 202.031 At	51.3	0.004759	mg/L	0.0003642	0.004759	mg/L	0.0003642	7.65%
Na 589.592 Rt	5933.1	0.752344	mg/L	0.0019599	0.752344	mg/L	0.0019599	0.26%
Ni 232.003 At	-477.2	0.037891	mg/L	0.0005634	0.037891	mg/L	0.0005634	1.49%
QC value within limits for Ni 232.003 A Recovery = 180.43%								
P 213.617 At	37.9	0.052838	mg/L	0.0009787	0.052838	mg/L	0.0009787	1.85%
Pb 220.353 At	-3.3	0.003770	mg/L	0.0000800	0.003770	mg/L	0.0000800	2.12%
QC value within limits for Pb 220.353 A Recovery = 37.70%								
Sb 206.836 At	2.9	-0.001464	mg/L	0.0000917	-0.001464	mg/L	0.0000917	6.26%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-613.7	-0.000523	mg/L	0.0000004	-0.000523	mg/L	0.0000004	0.08%
Se 196.026 At	15.4	0.021595	mg/L	0.0107384	0.021595	mg/L	0.0107384	49.73%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	20.1	0.014471	mg/L	0.0025418	0.014471	mg/L	0.0025418	17.56%
SIO2 251.611 Rt	20.1	0.030968	mg/L	0.0054394	0.030968	mg/L	0.0054394	17.56%
Sn 189.927 At	-36.5	-0.013863	mg/L	0.0005287	-0.013863	mg/L	0.0005287	3.81%
Sr 421.552 Rt	66121.6	0.081651	mg/L	0.0000367	0.081651	mg/L	0.0000367	0.04%
Ti 336.121 At	277.9	-0.005892	mg/L	0.0000246	-0.005892	mg/L	0.0000246	0.42%
Tl 190.801 At	-2.0	0.002620	mg/L	0.0027431	0.002620	mg/L	0.0027431	104.69%
QC value within limits for Tl 190.801 A Recovery = Not calculated								

V 292.402 A†	338.5	-0.001631	mg/L	0.0002206	-0.001631	mg/L	0.0002206	13.53%
QC value within limits for V 292.402 A Recovery = -163.08%								
Zn 206.200 A†	316.4	0.031650	mg/L	0.0002086	0.031650	mg/L	0.0002086	0.66%
QC value within limits for Zn 206.200 A Recovery = 113.04%								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/20/2009 2:19:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	181967.6	181967.6	104.852	%			14:21:05
1	Al 308.215 Rt	234112.9	223225.5	229.259	mg/L	229.259	mg/L	14:21:05
1	B 249.677 Rt	13.5	5.7	0.002913	mg/L	0.002913	mg/L	14:21:35
1	Be 313.107 Rt	69279.7	65973.8	0.461212	mg/L	0.461212	mg/L	14:21:05
1	Ca 315.887 Rt	861123.7	821327.7	221.981	mg/L	221.981	mg/L	14:21:05
1	Fe 273.955 Rt	81115.8	77343.2	86.7504	mg/L	86.7504	mg/L	14:21:15
1	K 766.490 Rt	303.7	-18.9	-0.007210	mg/L	-0.007210	mg/L	14:21:15
1	Li 670.784 Rt	136.9	25.9	0.000278	mg/L	0.000278	mg/L	14:21:15
1	Mg 279.077 Rt	130986.2	124921.4	238.923	mg/L	238.923	mg/L	14:21:05
1	Mn 260.568 Rt	6748.7	6415.7	0.453591	mg/L	0.453591	mg/L	14:21:35
1	Na 589.592 Rt	6219.0	5851.1	0.741938	mg/L	0.741938	mg/L	14:21:15
1	Si 251.611 Rt	87.3	37.9	0.027331	mg/L	0.027331	mg/L	14:21:35
1	SIO2 251.611 Rt	87.3	37.9	0.058488	mg/L	0.058488	mg/L	14:21:35
1	Sr 421.552 Rt	69435.0	66030.6	0.081539	mg/L	0.081539	mg/L	14:21:15
1	Lu 261.542 A	2576636.8	2576636.8	106.279	%			14:22:30
1	Ag 328.068 At	29645.4	28246.2	0.201892	mg/L	0.201892	mg/L	14:22:41
1	As 188.979 At	83.9	87.5	0.097065	mg/L	0.097065	mg/L	14:23:01
1	Ba 233.527 At	20421.0	19268.3	0.442279	mg/L	0.442279	mg/L	14:22:41
1	Bi 222.821 At	87.2	47.7	-0.026466	mg/L	-0.026466	mg/L	14:23:01
1	Cd 226.502 At	34405.3	32429.5	0.915423	mg/L	0.915423	mg/L	14:22:41
1	Co 228.616 At	8384.2	7975.7	0.433735	mg/L	0.433735	mg/L	14:23:01
1	Cr 267.716 At	21723.8	20277.3	0.513153	mg/L	0.513153	mg/L	14:22:41
1	Cu 324.752 At	102782.5	94150.1	0.523939	mg/L	0.523939	mg/L	14:22:41
1	Ga 417.206 At	3576.5	3440.5	0.021579	mg/L	0.021579	mg/L	14:22:41
1	La 379.478 At	4580.3	4774.7	0.024218	mg/L	0.024218	mg/L	14:22:41
1	Mo 202.031 At	93.1	57.5	0.005501	mg/L	0.005501	mg/L	14:23:01
1	Ni 232.003 At	9865.0	9367.8	0.964380	mg/L	0.964380	mg/L	14:23:01
1	P 213.617 At	-32.3	36.1	0.038708	mg/L	0.038708	mg/L	14:23:01
1	Pb 220.353 At	249.0	192.0	0.053172	mg/L	0.053172	mg/L	14:23:01
1	Sb 206.836 At	1073.0	1020.0	0.576517	mg/L	0.576517	mg/L	14:23:01
1	Sc 361.383 At	-624.1	-593.8	-0.000506	mg/L	-0.000506	mg/L	14:23:01
1	Se 196.026 At	14.7	39.5	0.073537	mg/L	0.073537	mg/L	14:23:01
1	Sn 189.927 At	-73.6	-41.0	-0.015588	mg/L	-0.015588	mg/L	14:23:01
1	Ti 336.121 At	-248.7	197.7	-0.006113	mg/L	-0.006113	mg/L	14:22:41
1	Tl 190.801 At	60.7	65.2	0.086307	mg/L	0.086307	mg/L	14:23:01
1	V 292.402 At	43612.7	41333.0	0.486893	mg/L	0.486893	mg/L	14:22:41
1	Zn 206.200 At	9786.8	9183.9	0.918328	mg/L	0.918328	mg/L	14:22:41
2	Lu 261.542 R	183905.3	183905.3	105.969	%			14:21:47
2	Al 308.215 Rt	236351.6	222985.7	229.013	mg/L	229.013	mg/L	14:21:47
2	B 249.677 Rt	8.4	0.7	0.000314	mg/L	0.000314	mg/L	14:22:17
2	Be 313.107 Rt	70306.8	66246.8	0.463121	mg/L	0.463121	mg/L	14:21:47
2	Ca 315.887 Rt	868474.6	819611.5	221.517	mg/L	221.517	mg/L	14:21:47
2	Fe 273.955 Rt	81136.6	76547.8	85.8579	mg/L	85.8579	mg/L	14:21:57
2	K 766.490 Rt	288.5	-36.3	-0.013864	mg/L	-0.013864	mg/L	14:21:57
2	Li 670.784 Rt	120.6	9.1	0.000097	mg/L	0.000097	mg/L	14:21:57
2	Mg 279.077 Rt	132435.5	124972.8	239.022	mg/L	239.022	mg/L	14:21:47
2	Mn 260.568 Rt	6805.6	6401.6	0.452618	mg/L	0.452618	mg/L	14:22:17
2	Na 589.592 Rt	6249.7	5817.5	0.737689	mg/L	0.737689	mg/L	14:21:57
2	Si 251.611 Rt	84.8	34.7	0.024988	mg/L	0.024988	mg/L	14:22:17
2	SIO2 251.611 Rt	84.8	34.7	0.053475	mg/L	0.053475	mg/L	14:22:17
2	Sr 421.552 Rt	69576.9	65466.8	0.080842	mg/L	0.080842	mg/L	14:21:57
2	Lu 261.542 A	2576990.0	2576990.0	106.294	%			14:23:12
2	Ag 328.068 At	29681.9	28276.7	0.202068	mg/L	0.202068	mg/L	14:23:23
2	As 188.979 At	84.5	88.0	0.097660	mg/L	0.097660	mg/L	14:23:43
2	Ba 233.527 At	20409.9	19255.2	0.441979	mg/L	0.441979	mg/L	14:23:23
2	Bi 222.821 At	82.4	43.2	-0.029987	mg/L	-0.029987	mg/L	14:23:43
2	Cd 226.502 At	34525.9	32538.5	0.918810	mg/L	0.918810	mg/L	14:23:23
2	Co 228.616 At	8392.9	7982.9	0.434122	mg/L	0.434122	mg/L	14:23:43
2	Cr 267.716 At	21719.9	20270.8	0.512988	mg/L	0.512988	mg/L	14:23:23
2	Cu 324.752 At	102597.8	93963.0	0.522898	mg/L	0.522898	mg/L	14:23:23

Method: ILM05 OPT5 Page 21 Date: 5/20/2009 2:23:45 PM

2	Ga 417.206 At	3542.6	3408.2	0.021395 mg/L	0.021395 mg/L	14:23:23
2	La 379.478 At	4390.4	4595.5	0.023309 mg/L	0.023309 mg/L	14:23:23
2	Mo 202.031 At	100.4	64.3	0.006323 mg/L	0.006323 mg/L	14:23:43
2	Ni 232.003 At	9882.3	9382.9	0.964952 mg/L	0.964952 mg/L	14:23:43
2	P 213.617 At	-26.8	41.3	0.041423 mg/L	0.041423 mg/L	14:23:43
2	Pb 220.353 At	239.6	183.1	0.050946 mg/L	0.050946 mg/L	14:23:43
2	Sb 206.836 At	1084.7	1030.8	0.582707 mg/L	0.582707 mg/L	14:23:43
2	Sc 361.383 At	-636.6	-605.5	-0.000516 mg/L	-0.000516 mg/L	14:23:43
2	Se 196.026 At	14.3	39.1	0.072470 mg/L	0.072470 mg/L	14:23:43
2	Sn 189.927 At	-73.4	-40.9	-0.015521 mg/L	-0.015521 mg/L	14:23:43
2	Ti 336.121 At	-259.9	187.2	-0.006149 mg/L	-0.006149 mg/L	14:23:23
2	Tl 190.801 At	60.6	65.1	0.086134 mg/L	0.086134 mg/L	14:23:43
2	V 292.402 At	43644.3	41357.1	0.487245 mg/L	0.487245 mg/L	14:23:23
2	Zn 206.200 At	9840.5	9233.1	0.923252 mg/L	0.923252 mg/L	14:23:23

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	182936.4	105.411	%	0.7895				0.75%
Lu 261.542 A	2576813.4	106.287	%	0.0103				0.01%
Ag 328.068 At	28261.5	0.201980	mg/L	0.0001239	0.201980	mg/L	0.0001239	0.06%
QC value within limits for Ag 328.068 A Recovery = 98.05%								
Al 308.215 Rt	223105.6	229.136	mg/L	0.1742	229.136	mg/L	0.1742	0.08%
QC value within limits for Al 308.215 R Recovery = 95.04%								
As 188.979 At	87.8	0.097363	mg/L	0.0004210	0.097363	mg/L	0.0004210	0.43%
QC value within limits for As 188.979 A Recovery = 96.40%								
B 249.677 Rt	3.2	0.001614	mg/L	0.0018375	0.001614	mg/L	0.0018375	113.87%
Ba 233.527 At	19261.8	0.442129	mg/L	0.0002124	0.442129	mg/L	0.0002124	0.05%
QC value within limits for Ba 233.527 A Recovery = 89.32%								
Be 313.107 Rt	66110.3	0.462167	mg/L	0.0013496	0.462167	mg/L	0.0013496	0.29%
QC value within limits for Be 313.107 R Recovery = 97.30%								
Bi 222.821 At	45.5	-0.028226	mg/L	0.0024902	-0.028226	mg/L	0.0024902	8.82%
Ca 315.887 Rt	820469.6	221.749	mg/L	0.3280	221.749	mg/L	0.3280	0.15%
QC value within limits for Ca 315.887 R Recovery = 95.95%								
Cd 226.502 At	32484.0	0.917116	mg/L	0.0023947	0.917116	mg/L	0.0023947	0.26%
QC value within limits for Cd 226.502 A Recovery = 97.57%								
Co 228.616 At	7979.3	0.433929	mg/L	0.0002738	0.433929	mg/L	0.0002738	0.06%
QC value within limits for Co 228.616 A Recovery = 94.13%								
Cr 267.716 At	20274.0	0.513071	mg/L	0.0001165	0.513071	mg/L	0.0001165	0.02%
QC value within limits for Cr 267.716 A Recovery = 100.41%								
Cu 324.752 At	94056.6	0.523418	mg/L	0.0007361	0.523418	mg/L	0.0007361	0.14%
QC value within limits for Cu 324.752 A Recovery = 95.51%								
Fe 273.955 Rt	76945.5	86.3041	mg/L	0.63106	86.3041	mg/L	0.63106	0.73%
QC value within limits for Fe 273.955 R Recovery = 91.04%								
Ga 417.206 At	3424.3	0.021487	mg/L	0.0001307	0.021487	mg/L	0.0001307	0.61%
K 766.490 Rt	-27.6	-0.010537	mg/L	0.0047051	-0.010537	mg/L	0.0047051	44.65%
La 379.478 At	4685.1	0.023764	mg/L	0.0006429	0.023764	mg/L	0.0006429	2.71%
Li 670.784 Rt	17.5	0.000187	mg/L	0.0001275	0.000187	mg/L	0.0001275	68.09%
Mg 279.077 Rt	124947.1	238.972	mg/L	0.0695	238.972	mg/L	0.0695	0.03%
QC value within limits for Mg 279.077 R Recovery = 95.17%								
Mn 260.568 Rt	6408.6	0.453105	mg/L	0.0006886	0.453105	mg/L	0.0006886	0.15%
QC value within limits for Mn 260.568 R Recovery = 90.26%								
Mo 202.031 At	60.9	0.005912	mg/L	0.0005806	0.005912	mg/L	0.0005806	9.82%
Na 589.592 Rt	5834.3	0.739814	mg/L	0.0030044	0.739814	mg/L	0.0030044	0.41%
Ni 232.003 At	9375.3	0.964666	mg/L	0.0004046	0.964666	mg/L	0.0004046	0.04%
QC value within limits for Ni 232.003 A Recovery = 98.04%								
P 213.617 At	38.7	0.040066	mg/L	0.0019201	0.040066	mg/L	0.0019201	4.79%
Pb 220.353 At	187.6	0.052059	mg/L	0.0015736	0.052059	mg/L	0.0015736	3.02%
QC value within limits for Pb 220.353 A Recovery = 85.34%								
Sb 206.836 At	1025.4	0.579612	mg/L	0.0043773	0.579612	mg/L	0.0043773	0.76%
QC value within limits for Sb 206.836 A Recovery = 98.41%								
Sc 361.383 At	-599.6	-0.000511	mg/L	0.0000070	-0.000511	mg/L	0.0000070	1.38%
Se 196.026 At	39.3	0.073003	mg/L	0.0007547	0.073003	mg/L	0.0007547	1.03%
QC value within limits for Se 196.026 A Recovery = 137.74%								
Si 251.611 Rt	36.3	0.026160	mg/L	0.0016562	0.026160	mg/L	0.0016562	6.33%
SIO2 251.611 Rt	36.3	0.055981	mg/L	0.0035443	0.055981	mg/L	0.0035443	6.33%
Sn 189.927 At	-41.0	-0.015555	mg/L	0.0000469	-0.015555	mg/L	0.0000469	0.30%
Sr 421.552 Rt	65748.7	0.081190	mg/L	0.0004923	0.081190	mg/L	0.0004923	0.61%
Ti 336.121 At	192.5	-0.006131	mg/L	0.0000255	-0.006131	mg/L	0.0000255	0.42%
Tl 190.801 At	65.1	0.086220	mg/L	0.0001222	0.086220	mg/L	0.0001222	0.14%
QC value within limits for Tl 190.801 A Recovery = 83.71%								

V 292.402 A†	41345.1	0.487069	mg/L	0.0002485	0.487069	mg/L	0.0002485	0.05%
QC value within limits for V 292.402 A Recovery = 98.60%								
Zn 206.200 A†	9208.5	0.920790	mg/L	0.0034815	0.920790	mg/L	0.0034815	0.38%
QC value within limits for Zn 206.200 A Recovery = 89.57%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 2:25:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	187260.8	187260.8	107.903	%			14:27:19
1	Al 308.215 Rt	2113.3	1905.7	1.90258	mg/L	1.90258	mg/L	14:27:39
1	B 249.677 Rt	3952.2	3655.5	1.90248	mg/L	1.90248	mg/L	14:27:39
1	Be 313.107 Rt	292269.9	270765.0	1.89270	mg/L	1.89270	mg/L	14:27:19
1	Ca 315.887 Rt	75611.2	70129.6	18.9540	mg/L	18.9540	mg/L	14:27:19
1	Fe 273.955 Rt	9063.9	8381.5	9.39494	mg/L	9.39494	mg/L	14:27:39
1	K 766.490 Rt	52774.2	48600.7	18.5836	mg/L	18.5836	mg/L	14:27:19
1	Li 670.784 Rt	131.0	16.7	0.000179	mg/L	0.000179	mg/L	14:27:39
1	Mg 279.077 Rt	10863.8	10065.2	19.2507	mg/L	19.2507	mg/L	14:27:39
1	Mn 260.568 Rt	27164.4	25154.2	1.82829	mg/L	1.82829	mg/L	14:27:39
1	Na 589.592 Rt	160412.5	148584.2	18.8411	mg/L	18.8411	mg/L	14:27:19
1	Si 251.611 Rt	1620.9	1456.9	1.00384	mg/L	1.00384	mg/L	14:27:39
1	SIO2 251.611 Rt	1620.9	1456.9	2.14821	mg/L	2.14821	mg/L	14:27:39
1	Sr 421.552 Rt	930.2	671.1	0.000829	mg/L	0.000829	mg/L	14:27:39
1	Lu 261.542 A	2727991.1	2727991.1	112.522	%			14:28:25
1	Ag 328.068 At	299586.8	266599.0	1.86891	mg/L	1.86891	mg/L	14:28:36
1	As 188.979 At	2043.1	1824.3	2.05238	mg/L	2.05238	mg/L	14:28:56
1	Ba 233.527 At	87676.8	77973.3	1.78978	mg/L	1.78978	mg/L	14:28:36
1	Bi 222.821 At	84.5	40.8	-0.003072	mg/L	-0.003072	mg/L	14:28:56
1	Cd 226.502 At	74344.0	66127.4	1.90994	mg/L	1.90994	mg/L	14:28:36
1	Co 228.616 At	37368.9	33297.2	1.80653	mg/L	1.80653	mg/L	14:28:36
1	Cr 267.716 At	85819.3	76105.7	1.93162	mg/L	1.93162	mg/L	14:28:36
1	Cu 324.752 At	365811.8	322541.9	1.79483	mg/L	1.79483	mg/L	14:28:25
1	Ga 417.206 At	893.3	869.2	0.001222	mg/L	0.001222	mg/L	14:28:36
1	La 379.478 At	970.8	1327.7	0.006735	mg/L	0.006735	mg/L	14:28:36
1	Mo 202.031 At	17555.0	15571.1	1.88687	mg/L	1.88687	mg/L	14:28:36
1	Ni 232.003 At	21416.5	19118.8	1.77270	mg/L	1.77270	mg/L	14:28:36
1	P 213.617 At	-30.0	39.8	-0.003538	mg/L	-0.003538	mg/L	14:28:56
1	Pb 220.353 At	8162.4	7211.8	1.84912	mg/L	1.84912	mg/L	14:28:56
1	Sb 206.836 At	3858.8	3439.7	1.95680	mg/L	1.95680	mg/L	14:28:56
1	Sc 361.383 At	-256.5	-234.5	-0.000200	mg/L	-0.000200	mg/L	14:28:56
1	Se 196.026 At	1126.4	1026.7	2.21534	mg/L	2.21534	mg/L	14:28:56
1	Sn 189.927 At	-49.9	-16.1	-0.006120	mg/L	-0.006120	mg/L	14:28:56
1	Ti 336.121 At	555125.5	493778.8	1.80148	mg/L	1.80148	mg/L	14:28:25
1	Tl 190.801 At	1561.6	1395.9	1.73390	mg/L	1.73390	mg/L	14:28:56
1	V 292.402 At	182908.9	162850.6	1.95239	mg/L	1.95239	mg/L	14:28:36
1	Zn 206.200 At	21559.6	19135.6	1.90754	mg/L	1.90754	mg/L	14:28:36
2	Lu 261.542 R	187453.4	187453.4	108.013	%			14:27:50
2	Al 308.215 Rt	2109.8	1900.5	1.89653	mg/L	1.89653	mg/L	14:28:11
2	B 249.677 Rt	3957.5	3656.6	1.90303	mg/L	1.90303	mg/L	14:28:11
2	Be 313.107 Rt	291682.0	269942.5	1.88695	mg/L	1.88695	mg/L	14:27:50
2	Ca 315.887 Rt	75391.0	69853.7	18.8794	mg/L	18.8794	mg/L	14:27:50
2	Fe 273.955 Rt	9054.3	8364.0	9.37522	mg/L	9.37522	mg/L	14:28:11
2	K 766.490 Rt	52791.7	48566.6	18.5706	mg/L	18.5706	mg/L	14:27:50
2	Li 670.784 Rt	113.4	0.3	0.000003	mg/L	0.000003	mg/L	14:28:11
2	Mg 279.077 Rt	10849.4	10041.5	19.2053	mg/L	19.2053	mg/L	14:28:11
2	Mn 260.568 Rt	27176.8	25139.9	1.82723	mg/L	1.82723	mg/L	14:28:11
2	Na 589.592 Rt	160406.4	148425.8	18.8210	mg/L	18.8210	mg/L	14:27:50
2	Si 251.611 Rt	1624.1	1458.3	1.00429	mg/L	1.00429	mg/L	14:28:11
2	SIO2 251.611 Rt	1624.1	1458.3	2.14917	mg/L	2.14917	mg/L	14:28:11
2	Sr 421.552 Rt	924.9	665.3	0.000822	mg/L	0.000822	mg/L	14:28:11
2	Lu 261.542 A	2715904.3	2715904.3	112.024	%			14:29:08
2	Ag 328.068 At	301866.4	269818.8	1.89152	mg/L	1.89152	mg/L	14:29:19
2	As 188.979 At	2037.1	1827.1	2.05538	mg/L	2.05538	mg/L	14:29:39
2	Ba 233.527 At	88412.8	78977.1	1.81282	mg/L	1.81282	mg/L	14:29:19
2	Bi 222.821 At	84.6	41.2	-0.003175	mg/L	-0.003175	mg/L	14:29:39
2	Cd 226.502 At	75087.5	67085.1	1.93765	mg/L	1.93765	mg/L	14:29:19
2	Co 228.616 At	37623.0	33671.7	1.82689	mg/L	1.82689	mg/L	14:29:19
2	Cr 267.716 At	86371.9	76938.3	1.95276	mg/L	1.95276	mg/L	14:29:19
2	Cu 324.752 At	366234.2	324365.8	1.80498	mg/L	1.80498	mg/L	14:29:08

Tl 190.801 A†	1392.6	1.72979 mg/L	0.005820	1.72979 mg/L	0.005820	0.34%
QC value less than the lower limit for Tl 190.801 A Recovery = 86.49%						
V 292.402 A†	163765.8	1.96341 mg/L	0.015579	1.96341 mg/L	0.015579	0.79%
QC value within limits for V 292.402 A Recovery = 98.17%						
Zn 206.200 A†	19229.6	1.91693 mg/L	0.013271	1.91693 mg/L	0.013271	0.69%
QC value within limits for Zn 206.200 A Recovery = 95.85%						

QC Failed. Continue with analysis.

Sequence No.: 11
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 2:31:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	186227.2	186227.2	107.307	%			14:33:24
1	Al 308.215 Rt	53.8	-2.7	-0.002733	mg/L	-0.002733	mg/L	14:33:44
1	B 249.677 Rt	12.2	4.1	0.002156	mg/L	0.002156	mg/L	14:33:44
1	Be 313.107 Rt	104.1	-2.8	-0.000019	mg/L	-0.000019	mg/L	14:33:44
1	Ca 315.887 Rt	-73.2	-12.3	-0.003326	mg/L	-0.003326	mg/L	14:33:44
1	Fe 273.955 Rt	13.4	-6.2	-0.006922	mg/L	-0.006922	mg/L	14:33:44
1	K 766.490 Rt	329.5	-1.4	-0.000552	mg/L	-0.000552	mg/L	14:33:24
1	Li 670.784 Rt	73.3	-36.4	-0.000390	mg/L	-0.000390	mg/L	14:33:24
1	Mg 279.077 Rt	1.0	-2.0	-0.003780	mg/L	-0.003780	mg/L	14:33:44
1	Mn 260.568 Rt	2.2	-18.6	-0.001356	mg/L	-0.001356	mg/L	14:33:44
1	Na 589.592 Rt	65.9	-18.8	-0.002380	mg/L	-0.002380	mg/L	14:33:24
1	Si 251.611 Rt	39.9	-8.1	-0.005872	mg/L	-0.005872	mg/L	14:33:44
1	SIO2 251.611 Rt	39.9	-8.1	-0.012566	mg/L	-0.012566	mg/L	14:33:44
1	Sr 421.552 Rt	167.2	-35.2	-0.000043	mg/L	-0.000043	mg/L	14:33:24
1	Lu 261.542 A	2722343.8	2722343.8	112.289	%			14:34:28
1	Ag 328.068 At	-332.5	56.3	0.000394	mg/L	0.000394	mg/L	14:34:38
1	As 188.979 At	-9.2	0.4	0.000455	mg/L	0.000455	mg/L	14:34:58
1	Ba 233.527 At	-60.3	0.2	0.000004	mg/L	0.000004	mg/L	14:34:58
1	Bi 222.821 At	40.6	1.9	0.001820	mg/L	0.001820	mg/L	14:34:58
1	Cd 226.502 At	-63.2	0.6	0.000019	mg/L	0.000019	mg/L	14:34:58
1	Co 228.616 At	-109.7	-10.8	-0.000587	mg/L	-0.000587	mg/L	14:34:58
1	Cr 267.716 At	180.4	-2.4	-0.000061	mg/L	-0.000061	mg/L	14:34:58
1	Cu 324.752 At	4242.7	1218.7	0.006782	mg/L	0.006782	mg/L	14:34:38
1	Ga 417.206 At	-96.1	-10.3	-0.000120	mg/L	-0.000120	mg/L	14:34:38
1	La 379.478 At	-472.4	44.3	0.000225	mg/L	0.000225	mg/L	14:34:38
1	Mo 202.031 At	48.2	12.8	0.001549	mg/L	0.001549	mg/L	14:34:58
1	Ni 232.003 At	-98.4	-2.0	-0.000199	mg/L	-0.000199	mg/L	14:34:58
1	P 213.617 At	-73.5	1.0	0.000370	mg/L	0.000370	mg/L	14:34:58
1	Pb 220.353 At	44.1	-3.0	-0.000781	mg/L	-0.000781	mg/L	14:34:58
1	Sb 206.836 At	-8.9	2.5	0.001410	mg/L	0.001410	mg/L	14:34:58
1	Sc 361.383 At	-3.3	-9.5	-0.000008	mg/L	-0.000008	mg/L	14:34:38
1	Se 196.026 At	-29.2	-0.3	-0.000698	mg/L	-0.000698	mg/L	14:34:58
1	Sn 189.927 At	-34.4	-2.5	-0.000933	mg/L	-0.000933	mg/L	14:34:58
1	Ti 336.121 At	-708.8	-199.5	-0.000728	mg/L	-0.000728	mg/L	14:34:38
1	Tl 190.801 At	-8.1	0.9	0.001099	mg/L	0.001099	mg/L	14:34:58
1	V 292.402 At	-464.0	-116.1	-0.001369	mg/L	-0.001369	mg/L	14:34:38
1	Zn 206.200 At	24.5	-2.9	-0.000298	mg/L	-0.000298	mg/L	14:34:58
2	Lu 261.542 R	185807.7	185807.7	107.065	%			14:33:55
2	Al 308.215 Rt	58.4	1.7	0.001773	mg/L	0.001773	mg/L	14:34:15
2	B 249.677 Rt	9.9	2.0	0.001064	mg/L	0.001064	mg/L	14:34:15
2	Be 313.107 Rt	101.2	-5.3	-0.000037	mg/L	-0.000037	mg/L	14:34:15
2	Ca 315.887 Rt	-75.6	-14.6	-0.003956	mg/L	-0.003956	mg/L	14:34:15
2	Fe 273.955 Rt	9.3	-9.9	-0.011125	mg/L	-0.011125	mg/L	14:34:15
2	K 766.490 Rt	313.8	-15.4	-0.005893	mg/L	-0.005893	mg/L	14:33:55
2	Li 670.784 Rt	117.8	5.3	0.000057	mg/L	0.000057	mg/L	14:33:55
2	Mg 279.077 Rt	2.5	-0.6	-0.001157	mg/L	-0.001157	mg/L	14:34:15
2	Mn 260.568 Rt	3.4	-17.5	-0.001275	mg/L	-0.001275	mg/L	14:34:15
2	Na 589.592 Rt	77.8	-7.4	-0.000942	mg/L	-0.000942	mg/L	14:33:55
2	Si 251.611 Rt	39.5	-8.4	-0.006082	mg/L	-0.006082	mg/L	14:34:15
2	SIO2 251.611 Rt	39.5	-8.4	-0.013016	mg/L	-0.013016	mg/L	14:34:15
2	Sr 421.552 Rt	177.9	-24.9	-0.000031	mg/L	-0.000031	mg/L	14:33:55
2	Lu 261.542 A	2731765.1	2731765.1	112.678	%			14:35:10
2	Ag 328.068 At	-328.2	61.1	0.000426	mg/L	0.000426	mg/L	14:35:20
2	As 188.979 At	-8.5	1.1	0.001200	mg/L	0.001200	mg/L	14:35:40
2	Ba 233.527 At	-58.8	1.7	0.000039	mg/L	0.000039	mg/L	14:35:40
2	Bi 222.821 At	42.1	3.1	0.002942	mg/L	0.002942	mg/L	14:35:40
2	Cd 226.502 At	-55.1	8.1	0.000235	mg/L	0.000235	mg/L	14:35:40
2	Co 228.616 At	-101.5	-3.2	-0.000174	mg/L	-0.000174	mg/L	14:35:40
2	Cr 267.716 At	185.1	1.2	0.000031	mg/L	0.000031	mg/L	14:35:40
2	Cu 324.752 At	4178.3	1148.5	0.006392	mg/L	0.006392	mg/L	14:35:20

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2	Ga 417.206 At	-99.5	-13.0	-0.000151 mg/L	-0.000151 mg/L	14:35:20
2	La 379.478 At	-454.0	62.1	0.000315 mg/L	0.000315 mg/L	14:35:20
2	Mo 202.031 At	45.3	10.0	0.001220 mg/L	0.001220 mg/L	14:35:40
2	Ni 232.003 At	-103.5	-6.2	-0.000604 mg/L	-0.000604 mg/L	14:35:40
2	P 213.617 At	-74.3	0.5	0.000101 mg/L	0.000101 mg/L	14:35:40
2	Pb 220.353 At	31.3	-14.5	-0.003734 mg/L	-0.003734 mg/L	14:35:40
2	Sb 206.836 At	-10.5	1.1	0.000622 mg/L	0.000622 mg/L	14:35:40
2	Sc 361.383 At	9.6	1.9	0.000002 mg/L	0.000002 mg/L	14:35:20
2	Se 196.026 At	-29.8	-0.8	-0.001752 mg/L	-0.001752 mg/L	14:35:40
2	Sn 189.927 At	-36.6	-4.3	-0.001636 mg/L	-0.001636 mg/L	14:35:40
2	Ti 336.121 At	-679.3	-171.1	-0.000625 mg/L	-0.000625 mg/L	14:35:20
2	Tl 190.801 At	-10.7	-1.4	-0.001737 mg/L	-0.001737 mg/L	14:35:40
2	V 292.402 At	-455.7	-107.3	-0.001267 mg/L	-0.001267 mg/L	14:35:20
2	Zn 206.200 At	20.1	-6.9	-0.000692 mg/L	-0.000692 mg/L	14:35:40

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	186017.5	107.186	%	0.1709				0.16%
Lu 261.542 A	2727054.5	112.484	%	0.2748				0.24%
Ag 328.068 At	58.7	0.000410	mg/L	0.0000227	0.000410	mg/L	0.0000227	5.55%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-0.5	-0.000480	mg/L	0.0031857	-0.000480	mg/L	0.0031857	663.79%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	0.7	0.000827	mg/L	0.0005270	0.000827	mg/L	0.0005270	63.69%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	3.1	0.001610	mg/L	0.0007719	0.001610	mg/L	0.0007719	47.94%
Ba 233.527 At	0.9	0.000021	mg/L	0.0000247	0.000021	mg/L	0.0000247	115.54%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	-4.0	-0.000028	mg/L	0.0000123	-0.000028	mg/L	0.0000123	44.02%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	2.5	0.002381	mg/L	0.0007935	0.002381	mg/L	0.0007935	33.33%
Ca 315.887 Rt	-13.5	-0.003641	mg/L	0.0004452	-0.003641	mg/L	0.0004452	12.23%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	4.3	0.000127	mg/L	0.0001525	0.000127	mg/L	0.0001525	119.81%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-7.0	-0.000380	mg/L	0.0002924	-0.000380	mg/L	0.0002924	76.86%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-0.6	-0.000015	mg/L	0.0000649	-0.000015	mg/L	0.0000649	442.68%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	1183.6	0.006587	mg/L	0.0002758	0.006587	mg/L	0.0002758	4.19%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-8.1	-0.009023	mg/L	0.0029720	-0.009023	mg/L	0.0029720	32.94%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-11.6	-0.000135	mg/L	0.0000223	-0.000135	mg/L	0.0000223	16.51%
K 766.490 Rt	-8.4	-0.003223	mg/L	0.0037766	-0.003223	mg/L	0.0037766	117.18%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	53.2	0.000270	mg/L	0.0000637	0.000270	mg/L	0.0000637	23.61%
Li 670.784 Rt	-15.5	-0.000167	mg/L	0.0003162	-0.000167	mg/L	0.0003162	189.63%
Mg 279.077 Rt	-1.3	-0.002469	mg/L	0.0018548	-0.002469	mg/L	0.0018548	75.13%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-18.1	-0.001315	mg/L	0.0000575	-0.001315	mg/L	0.0000575	4.37%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	11.4	0.001384	mg/L	0.0002332	0.001384	mg/L	0.0002332	16.85%
Na 589.592 Rt	-13.1	-0.001661	mg/L	0.0010161	-0.001661	mg/L	0.0010161	61.18%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	-4.1	-0.000402	mg/L	0.0002868	-0.000402	mg/L	0.0002868	71.42%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	0.8	0.000235	mg/L	0.0001902	0.000235	mg/L	0.0001902	80.85%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	-8.8	-0.002258	mg/L	0.0020883	-0.002258	mg/L	0.0020883	92.49%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	1.8	0.001016	mg/L	0.0005569	0.001016	mg/L	0.0005569	54.80%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-3.8	-0.000003	mg/L	0.0000069	-0.000003	mg/L	0.0000069	213.97%
Se 196.026 At	-0.6	-0.001225	mg/L	0.0007455	-0.001225	mg/L	0.0007455	60.87%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-8.2	-0.005977	mg/L	0.0001489	-0.005977	mg/L	0.0001489	2.49%
SIO2 251.611 Rt	-8.2	-0.012791	mg/L	0.0003186	-0.012791	mg/L	0.0003186	2.49%
Sn 189.927 At	-3.4	-0.001284	mg/L	0.0004975	-0.001284	mg/L	0.0004975	38.73%
Sr 421.552 Rt	-30.0	-0.000037	mg/L	0.0000090	-0.000037	mg/L	0.0000090	24.36%

Ti 336.121 At	-185.3	-0.000676	mg/L	0.0000732	-0.000676	mg/L	0.0000732 10.83%
Tl 190.801 At	-0.3	-0.000319	mg/L	0.0020051	-0.000319	mg/L	0.0020051 629.13%
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	-111.7	-0.001318	mg/L	0.0000726	-0.001318	mg/L	0.0000726 5.51%
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	-4.9	-0.000495	mg/L	0.0002788	-0.000495	mg/L	0.0002788 56.36%
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

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ICP CONTROL SHEET

Instrument: Optima 5 Date: 05/20/09 Data File: 09140B

Operator: DT FEH Time: 257

Sample	Time	Elements Out of Control	Comments	Batch
ICV 5% 200.7	1518	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		W920086
ICV 10% 6010B		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
ICB		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CRI		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
ICSA		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
ICSB		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV1	1548	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB1		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV2	1654	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB2		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV3	1743	Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB3		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV4		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB4		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV5		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB5		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV6		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB6		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV7		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB7		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV8		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB8		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV9		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB9		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCV10		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		
CCB10		Ag Al As B Ba Be Bi Ca Cd Co Cr Cu Fe Ga K La Li Mg Mn Mo Na Ni P Pb Sb Sc Se Si SiO2 Sn Sr Ti Tl U V Zn		

Method: ILMO5 OPT5 Page 1 Date: 5/20/2009 3:02:01 PM

Analysis Begun

Start Time: 5/20/2009 2:57:54 PM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902
Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140B
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ILMO5 OPT5
IEC File: ILMO5.iec
Method Description:
Method Last Saved: 4/14/2009 2:25:07 PM
MSF File:

Sequence No.: 1
Sample ID: S0
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 5/20/2009 2:57:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: S0

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	184841.4	184841.4	99.8150	%	14:59:44
1	Al 308.215 Rt	55.9	56.0	[0.00]	mg/L	15:00:04
1	B 249.677 Rt	5.6	5.6	[0.00]	mg/L	15:00:04
1	Be 313.107 Rt	90.7	90.9	[0.00]	mg/L	15:00:04
1	Ca 315.887 Rt	-80.4	-80.6	[0.00]	mg/L	15:00:04
1	Fe 273.955 Rt	18.4	18.5	[0.00]	mg/L	15:00:04
1	K 766.490 Rt	332.2	332.8	[0.00]	mg/L	14:59:44
1	Li 670.784 Rt	97.2	97.4	[0.00]	mg/L	14:59:44
1	Mg 279.077 Rt	-5.1	-5.1	[0.00]	mg/L	15:00:04
1	Mn 260.568 Rt	2.3	2.4	[0.00]	mg/L	15:00:04
1	Na 589.592 Rt	71.7	71.8	[0.00]	mg/L	14:59:44
1	Si 251.611 Rt	82.5	82.7	[0.00]	mg/L	15:00:04
1	SIO2 251.611 Rt	82.5	82.7	[0.00]	mg/L	15:00:04
1	Sr 421.552 Rt	158.9	159.2	[0.00]	mg/L	14:59:44
1	Lu 261.542 A	2747061.6	2747061.6	99.9615	%	15:00:48
1	Ag 328.068 At	-373.5	-373.6	[0.00]	mg/L	15:00:58
1	As 188.979 At	-12.7	-12.7	[0.00]	mg/L	15:01:19
1	Ba 233.527 At	-62.5	-62.6	[0.00]	mg/L	15:01:19
1	Bi 222.821 At	41.5	41.5	[0.00]	mg/L	15:01:19
1	Cd 226.502 At	-58.7	-58.8	[0.00]	mg/L	15:01:19
1	Co 228.616 At	-107.8	-107.9	[0.00]	mg/L	15:01:19
1	Cr 267.716 At	181.8	181.9	[0.00]	mg/L	15:01:19
1	Cu 324.752 At	4146.9	4148.5	[0.00]	mg/L	15:00:58
1	Ga 417.206 At	-116.1	-116.2	[0.00]	mg/L	15:00:58
1	La 379.478 At	-479.1	-479.2	[0.00]	mg/L	15:00:58
1	Mo 202.031 At	39.0	39.0	[0.00]	mg/L	15:01:19
1	Ni 232.003 At	-89.7	-89.8	[0.00]	mg/L	15:01:19
1	P 213.617 At	-78.1	-78.2	[0.00]	mg/L	15:01:19
1	Pb 220.353 At	40.2	40.2	[0.00]	mg/L	15:01:19
1	Sb 206.836 At	-13.9	-13.9	[0.00]	mg/L	15:01:19
1	Sc 361.383 At	-15.7	-15.8	[0.00]	mg/L	15:00:58
1	Se 196.026 At	-33.0	-33.0	[0.00]	mg/L	15:01:19
1	Sn 189.927 At	-37.3	-37.3	[0.00]	mg/L	15:01:19
1	Ti 336.121 At	-746.5	-746.8	[0.00]	mg/L	15:00:58
1	Tl 190.801 At	-10.0	-10.0	[0.00]	mg/L	15:01:19
1	V 292.402 At	-484.5	-484.7	[0.00]	mg/L	15:00:58
1	Zn 206.200 At	23.0	23.0	[0.00]	mg/L	15:01:19
2	Lu 261.542 R	185526.5	185526.5	100.185	%	15:00:15
2	Al 308.215 Rt	51.4	51.3	[0.00]	mg/L	15:00:35
2	B 249.677 Rt	4.8	4.8	[0.00]	mg/L	15:00:35
2	Be 313.107 Rt	91.2	91.0	[0.00]	mg/L	15:00:35
2	Ca 315.887 Rt	-76.4	-76.3	[0.00]	mg/L	15:00:35

2	Fe 273.955 Rt	16.2	16.2	[0.00]	mg/L	15:00:35
2	K 766.490 Rt	319.9	319.3	[0.00]	mg/L	15:00:15
2	Li 670.784 Rt	94.3	94.2	[0.00]	mg/L	15:00:15
2	Mg 279.077 Rt	-2.8	-2.8	[0.00]	mg/L	15:00:35
2	Mn 260.568 Rt	1.4	1.4	[0.00]	mg/L	15:00:35
2	Na 589.592 Rt	63.7	63.6	[0.00]	mg/L	15:00:15
2	Si 251.611 Rt	82.9	82.7	[0.00]	mg/L	15:00:35
2	SIO2 251.611 Rt	82.9	82.7	[0.00]	mg/L	15:00:35
2	Sr 421.552 Rt	167.8	167.5	[0.00]	mg/L	15:00:15
2	Lu 261.542 A	2749176.6	2749176.6	100.038	%	15:01:30
2	Ag 328.068 At	-361.1	-361.0	[0.00]	mg/L	15:01:40
2	As 188.979 At	-12.6	-12.6	[0.00]	mg/L	15:02:00
2	Ba 233.527 At	-62.2	-62.2	[0.00]	mg/L	15:02:00
2	Bi 222.821 At	43.4	43.4	[0.00]	mg/L	15:02:00
2	Cd 226.502 At	-63.1	-63.1	[0.00]	mg/L	15:02:00
2	Co 228.616 At	-108.2	-108.2	[0.00]	mg/L	15:02:00
2	Cr 267.716 At	173.2	173.1	[0.00]	mg/L	15:02:00
2	Cu 324.752 At	4085.2	4083.7	[0.00]	mg/L	15:01:40
2	Ga 417.206 At	-74.5	-74.5	[0.00]	mg/L	15:01:40
2	La 379.478 At	-508.8	-508.6	[0.00]	mg/L	15:01:40
2	Mo 202.031 At	36.5	36.4	[0.00]	mg/L	15:02:00
2	Ni 232.003 At	-93.0	-93.0	[0.00]	mg/L	15:02:00
2	P 213.617 At	-76.7	-76.7	[0.00]	mg/L	15:02:00
2	Pb 220.353 At	40.1	40.0	[0.00]	mg/L	15:02:00
2	Sb 206.836 At	-11.0	-11.0	[0.00]	mg/L	15:02:00
2	Sc 361.383 At	-0.1	-0.1	[0.00]	mg/L	15:01:40
2	Se 196.026 At	-29.2	-29.2	[0.00]	mg/L	15:02:00
2	Sn 189.927 At	-37.9	-37.9	[0.00]	mg/L	15:02:00
2	Ti 336.121 At	-737.9	-737.7	[0.00]	mg/L	15:01:40
2	Tl 190.801 At	-11.5	-11.5	[0.00]	mg/L	15:02:00
2	V 292.402 At	-459.9	-459.7	[0.00]	mg/L	15:01:40
2	Zn 206.200 At	21.5	21.5	[0.00]	mg/L	15:02:00

Mean Data: S0

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542 R	185184.0	484.46	0.26%	100.000	%
Lu 261.542 A	2748119.1	1495.49	0.05%	100.000	%
Ag 328.068 At	-367.3	8.96	2.44%	[0.00]	mg/L
Al 308.215 Rt	53.6	3.36	6.26%	[0.00]	mg/L
As 188.979 At	-12.7	0.07	0.55%	[0.00]	mg/L
B 249.677 Rt	5.2	0.53	10.17%	[0.00]	mg/L
Ba 233.527 At	-62.4	0.28	0.45%	[0.00]	mg/L
Be 313.107 Rt	90.9	0.12	0.14%	[0.00]	mg/L
Bi 222.821 At	42.4	1.33	3.13%	[0.00]	mg/L
Ca 315.887 Rt	-78.4	3.03	3.87%	[0.00]	mg/L
Cd 226.502 At	-60.9	3.06	5.02%	[0.00]	mg/L
Co 228.616 At	-108.0	0.23	0.22%	[0.00]	mg/L
Cr 267.716 At	177.5	6.22	3.51%	[0.00]	mg/L
Cu 324.752 At	4116.1	45.82	1.11%	[0.00]	mg/L
Fe 273.955 Rt	17.3	1.62	9.36%	[0.00]	mg/L
Ga 417.206 At	-95.3	29.49	30.94%	[0.00]	mg/L
K 766.490 Rt	326.1	9.56	2.93%	[0.00]	mg/L
La 379.478 At	-493.9	20.76	4.20%	[0.00]	mg/L
Li 670.784 Rt	95.8	2.30	2.40%	[0.00]	mg/L
Mg 279.077 Rt	-4.0	1.62	40.64%	[0.00]	mg/L
Mn 260.568 Rt	1.9	0.66	34.69%	[0.00]	mg/L
Mo 202.031 At	37.7	1.84	4.87%	[0.00]	mg/L
Na 589.592 Rt	67.7	5.78	8.54%	[0.00]	mg/L
Ni 232.003 At	-91.4	2.27	2.49%	[0.00]	mg/L
P 213.617 At	-77.4	1.04	1.35%	[0.00]	mg/L
Pb 220.353 At	40.1	0.10	0.26%	[0.00]	mg/L
Sb 206.836 At	-12.5	2.05	16.40%	[0.00]	mg/L
Sc 361.383 At	-7.9	11.08	139.83%	[0.00]	mg/L
Se 196.026 At	-31.1	2.72	8.75%	[0.00]	mg/L
Si 251.611 Rt	82.7	0.03	0.04%	[0.00]	mg/L
SIO2 251.611 Rt	82.7	0.03	0.04%	[0.00]	mg/L
Sn 189.927 At	-37.6	0.41	1.08%	[0.00]	mg/L
Sr 421.552 Rt	163.3	5.91	3.62%	[0.00]	mg/L
Ti 336.121 At	-742.2	6.44	0.87%	[0.00]	mg/L
Tl 190.801 At	-10.7	1.08	10.05%	[0.00]	mg/L

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V 292.402 At	-472.2	17.65	3.74%	[0.00] mg/L
Zn 206.200 At	22.2	1.08	4.84%	[0.00] mg/L

Sequence No.: 2
Sample ID: S
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 5/20/2009 3:03:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	185303.6	185303.6	100.065	%	15:05:37
1	B 249.677 Rt	5791.3	5782.4	[3]	mg/L	15:05:47
1	Be 313.107 Rt	426935.0	426568.3	[3]	mg/L	15:05:37
1	K 766.490 Rt	77492.3	77116.2	[30]	mg/L	15:05:47
1	Li 670.784 Rt	695101.1	694556.4	[8]	mg/L	15:05:37
1	Mn 260.568 Rt	40543.0	40514.9	[3]	mg/L	15:05:47
1	Sr 421.552 Rt	3650401.5	3647880.7	[5]	mg/L	15:05:37
1	Lu 261.542 A	2733202.6	2733202.6	99.4572	%	15:06:32
1	Ag 328.068 At	452708.7	455546.7	[3]	mg/L	15:06:32
1	As 188.979 At	3101.1	3130.7	[3]	mg/L	15:06:52
1	Ba 233.527 At	132550.1	133335.8	[3]	mg/L	15:06:32
1	Bi 222.821 At	5279.3	5265.6	[5]	mg/L	15:06:52
1	Cd 226.502 At	113457.0	114137.1	[3]	mg/L	15:06:32
1	Co 228.616 At	56678.9	57096.2	[3]	mg/L	15:06:32
1	Cr 267.716 At	130282.6	130816.1	[3]	mg/L	15:06:32
1	Cu 324.752 At	536476.3	535288.1	[3]	mg/L	15:06:32
1	Ga 417.206 At	377926.0	380083.9	[5]	mg/L	15:06:32
1	Mo 202.031 At	26117.9	26222.7	[3]	mg/L	15:06:52
1	Ni 232.003 At	31612.1	31876.0	[3]	mg/L	15:06:52
1	P 213.617 At	20580.8	20770.6	[10]	mg/L	15:06:52
1	Pb 220.353 At	12353.8	12381.1	[3]	mg/L	15:06:52
1	Sb 206.836 At	5700.8	5744.4	[3]	mg/L	15:06:52
1	Se 196.026 At	1720.9	1761.4	[3]	mg/L	15:06:52
1	Sn 189.927 At	13763.5	13876.2	[5]	mg/L	15:06:52
1	Ti 336.121 At	822602.1	827833.7	[3]	mg/L	15:06:32
1	Tl 190.801 At	2305.5	2328.9	[3]	mg/L	15:06:52
1	V 292.402 At	277938.2	279927.3	[3]	mg/L	15:06:32
1	Zn 206.200 At	33285.5	33444.9	[3]	mg/L	15:06:32
2	Lu 261.542 R	183053.1	183053.1	98.8493	%	15:06:03
2	B 249.677 Rt	5773.8	5835.8	[3]	mg/L	15:06:13
2	Be 313.107 Rt	420456.5	425260.0	[3]	mg/L	15:06:03
2	K 766.490 Rt	77177.3	77749.6	[30]	mg/L	15:06:13
2	Li 670.784 Rt	682981.6	690836.3	[8]	mg/L	15:06:03
2	Mn 260.568 Rt	40576.8	41047.3	[3]	mg/L	15:06:13
2	Sr 421.552 Rt	3595364.9	3637054.3	[5]	mg/L	15:06:03
2	Lu 261.542 A	2745429.3	2745429.3	99.9021	%	15:07:09
2	Ag 328.068 At	454733.2	455546.1	[3]	mg/L	15:07:09
2	As 188.979 At	3085.1	3100.8	[3]	mg/L	15:07:29
2	Ba 233.527 At	132857.2	133049.7	[3]	mg/L	15:07:09
2	Bi 222.821 At	5234.1	5196.8	[5]	mg/L	15:07:29
2	Cd 226.502 At	113410.7	113582.8	[3]	mg/L	15:07:09
2	Co 228.616 At	56825.8	56989.5	[3]	mg/L	15:07:09
2	Cr 267.716 At	130818.7	130769.3	[3]	mg/L	15:07:09
2	Cu 324.752 At	538421.3	534832.8	[3]	mg/L	15:07:09
2	Ga 417.206 At	380265.8	380733.6	[5]	mg/L	15:07:09
2	Mo 202.031 At	26101.3	26089.1	[3]	mg/L	15:07:29
2	Ni 232.003 At	31471.9	31594.1	[3]	mg/L	15:07:29
2	P 213.617 At	20507.6	20605.1	[10]	mg/L	15:07:29
2	Pb 220.353 At	12316.6	12288.5	[3]	mg/L	15:07:29
2	Sb 206.836 At	5676.0	5694.0	[3]	mg/L	15:07:29
2	Se 196.026 At	1704.4	1737.2	[3]	mg/L	15:07:29
2	Sn 189.927 At	13748.4	13799.5	[5]	mg/L	15:07:29
2	Ti 336.121 At	826367.5	827919.4	[3]	mg/L	15:07:09
2	Tl 190.801 At	2300.2	2313.2	[3]	mg/L	15:07:29
2	V 292.402 At	279187.5	279933.2	[3]	mg/L	15:07:09
2	Zn 206.200 At	33284.9	33295.3	[3]	mg/L	15:07:09

Mean Data: S

Mean Corrected	Calib

Method: ILMO5 OPT5 Page 5 Date: 5/20/2009 3:13:59 PM

Analyte	Intensity	Std.Dev.	RSD	Conc.	Units
Lu 261.542 R	184178.4	1591.38	0.86%	99.4570	%
Lu 261.542 A	2739315.9	8645.61	0.32%	99.6797	%
Ag 328.068 At	455546.4	0.44	0.00%	[3]	mg/L
As 188.979 At	3115.7	21.13	0.68%	[3]	mg/L
B 249.677 Rt	5809.1	37.82	0.65%	[3]	mg/L
Ba 233.527 At	133192.8	202.30	0.15%	[3]	mg/L
Be 313.107 Rt	425914.2	925.08	0.22%	[3]	mg/L
Bi 222.821 At	5231.2	48.69	0.93%	[5]	mg/L
Cd 226.502 At	113859.9	391.97	0.34%	[3]	mg/L
Co 228.616 At	57042.9	75.50	0.13%	[3]	mg/L
Cr 267.716 At	130792.7	33.07	0.03%	[3]	mg/L
Cu 324.752 At	535060.4	321.95	0.06%	[3]	mg/L
Ga 417.206 At	380408.8	459.42	0.12%	[5]	mg/L
K 766.490 Rt	77432.9	447.86	0.58%	[30]	mg/L
Li 670.784 Rt	692696.3	2630.56	0.38%	[8]	mg/L
Mn 260.568 Rt	40781.1	376.45	0.92%	[3]	mg/L
Mo 202.031 At	26155.9	94.49	0.36%	[3]	mg/L
Ni 232.003 At	31735.0	199.29	0.63%	[3]	mg/L
P 213.617 At	20687.8	117.02	0.57%	[10]	mg/L
Pb 220.353 At	12334.8	65.50	0.53%	[3]	mg/L
Sb 206.836 At	5719.2	35.61	0.62%	[3]	mg/L
Se 196.026 At	1749.3	17.13	0.98%	[3]	mg/L
Sn 189.927 At	13837.8	54.28	0.39%	[5]	mg/L
Sr 421.552 Rt	3642467.5	7655.41	0.21%	[5]	mg/L
Ti 336.121 At	827876.5	60.61	0.01%	[3]	mg/L
Tl 190.801 At	2321.0	11.06	0.48%	[3]	mg/L
V 292.402 At	279930.3	4.19	0.00%	[3]	mg/L
Zn 206.200 At	33370.1	105.77	0.32%	[3]	mg/L

Sequence No.: 3
Sample ID: S
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/20/2009 3:09:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	183278.3	183278.3	98.9709	%	15:11:11
1	Al 308.215 Rt	49028.4	49484.6	[50]	mg/L	15:11:11
1	Ca 315.887 Rt	184203.0	186196.7	[50]	mg/L	15:11:11
1	Fe 273.955 Rt	44627.5	45074.2	[50]	mg/L	15:11:11
1	Mg 279.077 Rt	26519.2	26798.9	[50]	mg/L	15:11:11
1	Na 589.592 Rt	382521.5	386431.1	[50]	mg/L	15:11:00
1	Lu 261.542 A	2724154.1	2724154.1	99.1279	%	15:11:56
2	Lu 261.542 R	182446.9	182446.9	98.5220	%	15:11:32
2	Al 308.215 Rt	48853.9	49533.2	[50]	mg/L	15:11:32
2	Ca 315.887 Rt	183646.7	186480.2	[50]	mg/L	15:11:32
2	Fe 273.955 Rt	44518.0	45168.5	[50]	mg/L	15:11:32
2	Mg 279.077 Rt	26291.3	26689.7	[50]	mg/L	15:11:32
2	Na 589.592 Rt	386304.7	392032.3	[50]	mg/L	15:11:22
2	Lu 261.542 A	2717137.0	2717137.0	98.8726	%	15:12:18

Mean Data: S

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Lu 261.542 R	182862.6	587.91	0.32%	98.7465	%
Lu 261.542 A	2720645.5	4961.81	0.18%	99.0003	%
Al 308.215 Rt	49508.9	34.36	0.07%	[50]	mg/L
Ca 315.887 Rt	186338.4	200.50	0.11%	[50]	mg/L
Fe 273.955 Rt	45121.4	66.66	0.15%	[50]	mg/L
Mg 279.077 Rt	26744.3	77.23	0.29%	[50]	mg/L
Na 589.592 Rt	389231.7	3960.67	1.02%	[50]	mg/L

Sequence No.: 4
Sample ID: S
Analyst:

Autosampler Location: 4
Date Collected: 5/20/2009 3:13:59 PM
Data Type: Original

Method: ILMO5 OPT5 Page 6 Date: 5/20/2009 3:17:05 PM

Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Replicate Data: S

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Lu 261.542 R	186456.2	186456.2	100.687	%	15:15:51
1	Si 251.611 Rt	35674.6	35348.5	[25]	mg/L	15:15:51
1	SIO2 251.611 Rt	35674.6	35348.5	[53.5]	mg/L	15:15:51
1	Lu 261.542 A	2795311.0	2795311.0	101.717	%	15:16:33
1	La 379.478 At	2295471.7	2257212.3	[10]	mg/L	15:16:33
1	Sc 361.383 At	2595911.9	2552094.3	[2]	mg/L	15:16:33
2	Lu 261.542 R	185964.7	185964.7	100.422	%	15:16:01
2	Si 251.611 Rt	35635.1	35402.8	[25]	mg/L	15:16:01
2	SIO2 251.611 Rt	35635.1	35402.8	[53.5]	mg/L	15:16:01
2	Lu 261.542 A	2787899.7	2787899.7	101.448	%	15:17:04
2	La 379.478 At	2284143.2	2252044.6	[10]	mg/L	15:17:04
2	Sc 361.383 At	2585010.7	2548133.0	[2]	mg/L	15:17:04

Mean Data: S

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Lu 261.542 R	186210.5	347.58	0.19%	100.554	%
Lu 261.542 A	2791605.4	5240.52	0.19%	101.582	%
La 379.478 At	2254628.4	3654.10	0.16%	[10]	mg/L
Sc 361.383 At	2550113.7	2801.09	0.11%	[2]	mg/L
Si 251.611 Rt	35375.6	38.38	0.11%	[25]	mg/L
SIO2 251.611 Rt	35375.6	38.38	0.11%	[53.5]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068 A	1	Lin, Calc Int	0.0	151800	0.00000	1.000000	
Al 308.215 R	1	Lin, Calc Int	0.0	990.2	0.00000	1.000000	
As 188.979 A	1	Lin, Calc Int	0.0	1039	0.00000	1.000000	
B 249.677 R	1	Lin, Calc Int	0.0	1936	0.00000	1.000000	
Ba 233.527 A	1	Lin, Calc Int	0.0	44400	0.00000	1.000000	
Be 313.107 R	1	Lin, Calc Int	0.0	142000	0.00000	1.000000	
Bi 222.821 A	1	Lin, Calc Int	0.0	1046	0.00000	1.000000	
Ca 315.887 R	1	Lin, Calc Int	0.0	3727	0.00000	1.000000	
Cd 226.502 A	1	Lin, Calc Int	0.0	37950	0.00000	1.000000	
Co 228.616 A	1	Lin, Calc Int	0.0	19010	0.00000	1.000000	
Cr 267.716 A	1	Lin, Calc Int	-0.0	43600	0.00000	1.000000	
Cu 324.752 A	1	Lin, Calc Int	0.0	178400	0.00000	1.000000	
Fe 273.955 R	1	Lin, Calc Int	0.0	902.4	0.00000	1.000000	
Ga 417.206 A	1	Lin, Calc Int	0.0	76080	0.00000	1.000000	
K 766.490 R	1	Lin, Calc Int	0.0	2581	0.00000	1.000000	
La 379.478 A	1	Lin, Calc Int	0.0	225500	0.00000	1.000000	
Li 670.784 R	1	Lin, Calc Int	0.0	86590	0.00000	1.000000	
Mg 279.077 R	1	Lin, Calc Int	0.0	534.9	0.00000	1.000000	
Mn 260.568 R	1	Lin, Calc Int	0.0	13590	0.00000	1.000000	
Mo 202.031 A	1	Lin, Calc Int	0.0	8719	0.00000	1.000000	
Na 589.592 R	1	Lin, Calc Int	0.0	7785	0.00000	1.000000	
Ni 232.003 A	1	Lin, Calc Int	0.0	10580	0.00000	1.000000	
P 213.617 A	1	Lin, Calc Int	0.0	2069	0.00000	1.000000	
Pb 220.353 A	1	Lin, Calc Int	0.0	4112	0.00000	1.000000	
Sb 206.836 A	1	Lin, Calc Int	0.0	1906	0.00000	1.000000	
Sc 361.383 A	1	Lin, Calc Int	0.0	1275000	0.00000	1.000000	
Se 196.026 A	1	Lin, Calc Int	0.0	583.1	0.00000	1.000000	
Si 251.611 R	1	Lin, Calc Int	0.0	1415	0.00000	1.000000	
SIO2 251.611 R	1	Lin, Calc Int	0.0	661.2	0.00000	1.000000	
Sn 189.927 A	1	Lin, Calc Int	0.0	2768	0.00000	1.000000	
Sr 421.552 R	1	Lin, Calc Int	0.0	728500	0.00000	1.000000	
Ti 336.121 A	1	Lin, Calc Int	0.0	276000	0.00000	1.000000	
Tl 190.801 A	1	Lin, Calc Int	-0.0	773.7	0.00000	1.000000	
V 292.402 A	1	Lin, Calc Int	0.0	93310	0.00000	1.000000	
Zn 206.200 A	1	Lin, Calc Int	0.0	11120	0.00000	1.000000	

Method: ILMO5 OPT5 Page 7 Date: 5/20/2009 3:22:53 PM

Sequence No.: 5
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 5/20/2009 3:18:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	183837.9	183837.9	99.2731	%			15:20:35
1	Al 308.215 Rt	2601.9	2567.3	2.58641	mg/L	2.58641	mg/L	15:20:35
1	B 249.677 Rt	45.7	40.8	0.020915	mg/L	0.020915	mg/L	15:20:56
1	Be 313.107 Rt	71434.9	71867.0	0.506254	mg/L	0.506254	mg/L	15:20:35
1	Ca 315.887 Rt	37997.1	38353.8	10.2914	mg/L	10.2914	mg/L	15:20:35
1	Fe 273.955 Rt	4560.8	4576.9	5.06909	mg/L	5.06909	mg/L	15:20:35
1	K 766.490 Rt	26434.9	26302.4	10.1904	mg/L	10.1904	mg/L	15:20:35
1	Li 670.784 Rt	186.1	91.6	0.001058	mg/L	0.001058	mg/L	15:20:35
1	Mg 279.077 Rt	3180.1	3207.3	5.99631	mg/L	5.99631	mg/L	15:20:35
1	Mn 260.568 Rt	6961.7	7010.8	0.514928	mg/L	0.514928	mg/L	15:20:35
1	Na 589.592 Rt	77376.4	77875.3	10.0037	mg/L	10.0037	mg/L	15:20:35
1	Si 251.611 Rt	76.6	-5.5	-0.004066	mg/L	-0.004066	mg/L	15:20:56
1	SIO2 251.611 Rt	76.6	-5.5	-0.008700	mg/L	-0.008700	mg/L	15:20:56
1	Sr 421.552 Rt	9430.9	9336.6	0.012816	mg/L	0.012816	mg/L	15:20:35
1	Lu 261.542 A	2737526.3	2737526.3	99.6145	%			15:21:40
1	Ag 328.068 At	76777.2	77441.6	0.507817	mg/L	0.507817	mg/L	15:21:50
1	As 188.979 At	1029.7	1046.4	1.00672	mg/L	1.00672	mg/L	15:22:10
1	Ba 233.527 At	22921.0	23072.0	0.519668	mg/L	0.519668	mg/L	15:21:50
1	Bi 222.821 At	58.8	16.6	0.003539	mg/L	0.003539	mg/L	15:22:10
1	Cd 226.502 At	19270.0	19405.5	0.510297	mg/L	0.510297	mg/L	15:21:50
1	Co 228.616 At	9546.0	9691.0	0.509660	mg/L	0.509660	mg/L	15:21:50
1	Cr 267.716 At	22325.6	22234.5	0.509814	mg/L	0.509814	mg/L	15:21:50
1	Cu 324.752 At	93510.3	89756.1	0.503019	mg/L	0.503019	mg/L	15:21:50
1	Ga 417.206 At	25.1	120.5	0.000410	mg/L	0.000410	mg/L	15:21:50
1	La 379.478 At	186.7	681.4	0.003022	mg/L	0.003022	mg/L	15:21:50
1	Mo 202.031 At	96.8	59.4	0.006767	mg/L	0.006767	mg/L	15:22:10
1	Ni 232.003 At	5167.1	5278.4	0.489136	mg/L	0.489136	mg/L	15:22:10
1	P 213.617 At	-55.6	21.6	-0.000567	mg/L	-0.000567	mg/L	15:22:10
1	Pb 220.353 At	4161.1	4137.1	1.00520	mg/L	1.00520	mg/L	15:22:10
1	Sb 206.836 At	1895.8	1915.6	1.00025	mg/L	1.00025	mg/L	15:22:10
1	Sc 361.383 At	133.5	142.0	0.000111	mg/L	0.000111	mg/L	15:22:10
1	Se 196.026 At	534.4	567.6	0.972955	mg/L	0.972955	mg/L	15:22:10
1	Sn 189.927 At	-41.2	-3.8	-0.001375	mg/L	-0.001375	mg/L	15:22:10
1	Ti 336.121 At	437.7	1181.6	0.004068	mg/L	0.004068	mg/L	15:22:10
1	Tl 190.801 At	785.9	799.7	1.03436	mg/L	1.03436	mg/L	15:22:10
1	V 292.402 At	47500.0	48156.0	0.516750	mg/L	0.516750	mg/L	15:21:50
1	Zn 206.200 At	11236.6	11257.9	1.01119	mg/L	1.01119	mg/L	15:21:50
2	Lu 261.542 R	181643.4	181643.4	98.0881	%			15:21:06
2	Al 308.215 Rt	2578.7	2575.3	2.59456	mg/L	2.59456	mg/L	15:21:06
2	B 249.677 Rt	48.0	43.7	0.022379	mg/L	0.022379	mg/L	15:21:26
2	Be 313.107 Rt	70756.2	72044.4	0.507503	mg/L	0.507503	mg/L	15:21:06
2	Ca 315.887 Rt	37662.0	38474.5	10.3238	mg/L	10.3238	mg/L	15:21:06
2	Fe 273.955 Rt	4519.1	4589.8	5.08341	mg/L	5.08341	mg/L	15:21:06
2	K 766.490 Rt	26123.7	26306.8	10.1921	mg/L	10.1921	mg/L	15:21:06
2	Li 670.784 Rt	146.2	53.3	0.000615	mg/L	0.000615	mg/L	15:21:06
2	Mg 279.077 Rt	3157.4	3222.9	6.02539	mg/L	6.02539	mg/L	15:21:06
2	Mn 260.568 Rt	6921.4	7054.4	0.518138	mg/L	0.518138	mg/L	15:21:06
2	Na 589.592 Rt	76768.4	78197.0	10.0450	mg/L	10.0450	mg/L	15:21:06
2	Si 251.611 Rt	74.2	-7.0	-0.005131	mg/L	-0.005131	mg/L	15:21:26
2	SIO2 251.611 Rt	74.2	-7.0	-0.010980	mg/L	-0.010980	mg/L	15:21:26
2	Sr 421.552 Rt	9310.2	9328.3	0.012805	mg/L	0.012805	mg/L	15:21:06
2	Lu 261.542 A	2748707.0	2748707.0	100.021	%			15:22:21
2	Ag 328.068 At	76609.3	76960.2	0.504660	mg/L	0.504660	mg/L	15:22:32
2	As 188.979 At	1027.7	1040.1	1.00070	mg/L	1.00070	mg/L	15:22:52
2	Ba 233.527 At	22862.2	22919.6	0.516236	mg/L	0.516236	mg/L	15:22:32
2	Bi 222.821 At	59.4	16.9	0.003992	mg/L	0.003992	mg/L	15:22:52
2	Cd 226.502 At	19295.9	19352.7	0.508902	mg/L	0.508902	mg/L	15:22:32
2	Co 228.616 At	9520.0	9626.0	0.506243	mg/L	0.506243	mg/L	15:22:32
2	Cr 267.716 At	22207.7	22025.5	0.505020	mg/L	0.505020	mg/L	15:22:32
2	Cu 324.752 At	93522.3	89386.3	0.500946	mg/L	0.500946	mg/L	15:22:32

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2	Ga 417.206 At	14.1	109.4	0.000261 mg/L	0.000261 mg/L	15:22:32
2	La 379.478 At	157.1	651.0	0.002887 mg/L	0.002887 mg/L	15:22:32
2	Mo 202.031 At	94.3	56.6	0.006441 mg/L	0.006441 mg/L	15:22:52
2	Ni 232.003 At	5176.5	5266.8	0.488207 mg/L	0.488207 mg/L	15:22:52
2	P 213.617 At	-61.5	15.9	-0.003273 mg/L	-0.003273 mg/L	15:22:52
2	Pb 220.353 At	4149.1	4108.1	0.998142 mg/L	0.998142 mg/L	15:22:52
2	Sb 206.836 At	1904.1	1916.2	1.00057 mg/L	1.00057 mg/L	15:22:52
2	Sc 361.383 At	100.3	108.2	0.000085 mg/L	0.000085 mg/L	15:22:52
2	Se 196.026 At	534.2	565.2	0.968766 mg/L	0.968766 mg/L	15:22:52
2	Sn 189.927 At	-41.1	-3.5	-0.001269 mg/L	-0.001269 mg/L	15:22:52
2	Ti 336.121 At	434.0	1176.1	0.004047 mg/L	0.004047 mg/L	15:22:52
2	Tl 190.801 At	783.4	793.9	1.02699 mg/L	1.02699 mg/L	15:22:52
2	V 292.402 At	47278.0	47740.1	0.512280 mg/L	0.512280 mg/L	15:22:32
2	Zn 206.200 At	11218.7	11194.1	1.00545 mg/L	1.00545 mg/L	15:22:32

Mean Data: ICV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	182740.7	98.6806	%	0.83796				0.85%
Lu 261.542 A	2743116.7	99.8180	%	0.28769				0.29%
Ag 328.068 At	77200.9	0.506238	mg/L	0.0022318	0.506238	mg/L	0.0022318	0.44%
QC value within limits for Ag 328.068 A Recovery = 101.05%								
Al 308.215 Rt	2571.3	2.59048	mg/L	0.005760	2.59048	mg/L	0.005760	0.22%
QC value within limits for Al 308.215 R Recovery = 102.76%								
As 188.979 At	1043.3	1.00371	mg/L	0.004259	1.00371	mg/L	0.004259	0.42%
QC value within limits for As 188.979 A Recovery = 100.47%								
B 249.677 Rt	42.3	0.021647	mg/L	0.0010354	0.021647	mg/L	0.0010354	4.78%
Ba 233.527 At	22995.8	0.517952	mg/L	0.0024269	0.517952	mg/L	0.0024269	0.47%
QC value within limits for Ba 233.527 A Recovery = 104.22%								
Be 313.107 Rt	71955.7	0.506878	mg/L	0.0008831	0.506878	mg/L	0.0008831	0.17%
QC value within limits for Be 313.107 R Recovery = 102.40%								
Bi 222.821 At	16.8	0.003766	mg/L	0.0003204	0.003766	mg/L	0.0003204	8.51%
Ca 315.887 Rt	38414.1	10.3076	mg/L	0.02291	10.3076	mg/L	0.02291	0.22%
QC value within limits for Ca 315.887 R Recovery = 102.81%								
Cd 226.502 At	19379.1	0.509599	mg/L	0.0009865	0.509599	mg/L	0.0009865	0.19%
QC value within limits for Cd 226.502 A Recovery = 102.74%								
Co 228.616 At	9658.5	0.507951	mg/L	0.0024161	0.507951	mg/L	0.0024161	0.48%
QC value within limits for Co 228.616 A Recovery = 101.79%								
Cr 267.716 At	22130.0	0.507417	mg/L	0.0033901	0.507417	mg/L	0.0033901	0.67%
QC value within limits for Cr 267.716 A Recovery = 103.55%								
Cu 324.752 At	89571.2	0.501982	mg/L	0.0014655	0.501982	mg/L	0.0014655	0.29%
QC value within limits for Cu 324.752 A Recovery = 102.03%								
Fe 273.955 Rt	4583.4	5.07625	mg/L	0.010132	5.07625	mg/L	0.010132	0.20%
QC value within limits for Fe 273.955 R Recovery = 99.89%								
Ga 417.206 At	115.0	0.000335	mg/L	0.0001051	0.000335	mg/L	0.0001051	31.32%
K 766.490 Rt	26304.6	10.1912	mg/L	0.00121	10.1912	mg/L	0.00121	0.01%
QC value within limits for K 766.490 R Recovery = 101.70%								
La 379.478 At	666.2	0.002955	mg/L	0.0000954	0.002955	mg/L	0.0000954	3.23%
Li 670.784 Rt	72.5	0.000837	mg/L	0.0003134	0.000837	mg/L	0.0003134	37.44%
Mg 279.077 Rt	3215.1	6.01085	mg/L	0.020565	6.01085	mg/L	0.020565	0.34%
QC value within limits for Mg 279.077 R Recovery = 98.96%								
Mn 260.568 Rt	7032.6	0.516533	mg/L	0.0022699	0.516533	mg/L	0.0022699	0.44%
QC value within limits for Mn 260.568 R Recovery = 103.51%								
Mo 202.031 At	58.0	0.006604	mg/L	0.0002302	0.006604	mg/L	0.0002302	3.49%
Na 589.592 Rt	78036.1	10.0244	mg/L	0.02922	10.0244	mg/L	0.02922	0.29%
QC value within limits for Na 589.592 R Recovery = 99.28%								
Ni 232.003 At	5272.6	0.488672	mg/L	0.0006568	0.488672	mg/L	0.0006568	0.13%
QC value within limits for Ni 232.003 A Recovery = 97.15%								
P 213.617 At	18.8	-0.001920	mg/L	0.0019137	-0.001920	mg/L	0.0019137	99.69%
Pb 220.353 At	4122.6	1.00167	mg/L	0.004988	1.00167	mg/L	0.004988	0.50%
QC value within limits for Pb 220.353 A Recovery = 99.97%								
Sb 206.836 At	1915.9	1.00041	mg/L	0.000231	1.00041	mg/L	0.000231	0.02%
QC value within limits for Sb 206.836 A Recovery = 100.64%								
Sc 361.383 At	125.1	0.000098	mg/L	0.0000187	0.000098	mg/L	0.0000187	19.10%
Se 196.026 At	566.4	0.970861	mg/L	0.0029623	0.970861	mg/L	0.0029623	0.31%
QC value within limits for Se 196.026 A Recovery = 94.35%								
Si 251.611 Rt	-6.3	-0.004598	mg/L	0.0007531	-0.004598	mg/L	0.0007531	16.38%
SIO2 251.611 Rt	-6.3	-0.009840	mg/L	0.0016116	-0.009840	mg/L	0.0016116	16.38%
Sn 189.927 At	-3.7	-0.001322	mg/L	0.0000750	-0.001322	mg/L	0.0000750	5.67%
Sr 421.552 Rt	9332.4	0.012811	mg/L	0.0000080	0.012811	mg/L	0.0000080	0.06%
Ti 336.121 At	1178.9	0.004057	mg/L	0.0000147	0.004057	mg/L	0.0000147	0.36%

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Tl 190.801 At	796.8	1.03068	mg/L	0.005214	1.03068	mg/L	0.005214	0.51%
QC value within limits for Tl 190.801 A Recovery = 100.26%								
V 292.402 At	47948.0	0.514515	mg/L	0.0031604	0.514515	mg/L	0.0031604	0.61%
QC value within limits for V 292.402 A Recovery = 102.70%								
Zn 206.200 At	11226.0	1.00832	mg/L	0.004058	1.00832	mg/L	0.004058	0.40%
QC value within limits for Zn 206.200 A Recovery = 98.37%								

All analyte(s) passed QC.

Sequence No.: 6
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 3:24:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	183917.5	183917.5	99.3161	%			15:26:24
1	Al 308.215 Rt	52.3	-0.9	-0.000948	mg/L	-0.000948	mg/L	15:26:44
1	B 249.677 Rt	8.5	3.4	0.001742	mg/L	0.001742	mg/L	15:26:44
1	Be 313.107 Rt	100.7	10.5	0.000074	mg/L	0.000074	mg/L	15:26:44
1	Ca 315.887 Rt	-81.0	-3.2	-0.000845	mg/L	-0.000845	mg/L	15:26:44
1	Fe 273.955 Rt	14.0	-3.2	-0.003525	mg/L	-0.003525	mg/L	15:26:44
1	K 766.490 Rt	319.6	-4.3	-0.001654	mg/L	-0.001654	mg/L	15:26:24
1	Li 670.784 Rt	114.1	19.1	0.000220	mg/L	0.000220	mg/L	15:26:24
1	Mg 279.077 Rt	-0.1	3.8	0.007176	mg/L	0.007176	mg/L	15:26:44
1	Mn 260.568 Rt	0.3	-1.6	-0.000115	mg/L	-0.000115	mg/L	15:26:44
1	Na 589.592 Rt	72.9	5.6	0.000724	mg/L	0.000724	mg/L	15:26:24
1	Si 251.611 Rt	51.6	-30.7	-0.021697	mg/L	-0.021697	mg/L	15:26:44
1	SIO2 251.611 Rt	51.6	-30.7	-0.046432	mg/L	-0.046432	mg/L	15:26:44
1	Sr 421.552 Rt	173.7	11.5	0.000016	mg/L	0.000016	mg/L	15:26:24
1	Lu 261.542 A	2719393.4	2719393.4	98.9547	%			15:27:28
1	Ag 328.068 At	-337.2	26.5	0.000161	mg/L	0.000161	mg/L	15:27:38
1	As 188.979 At	-6.2	6.4	0.006116	mg/L	0.006116	mg/L	15:27:58
1	Ba 233.527 At	-61.9	-0.2	-0.000005	mg/L	-0.000005	mg/L	15:27:58
1	Bi 222.821 At	39.9	-2.1	-0.001979	mg/L	-0.001979	mg/L	15:27:58
1	Cd 226.502 At	-62.0	-1.7	-0.000046	mg/L	-0.000046	mg/L	15:27:58
1	Co 228.616 At	-109.4	-2.5	-0.000132	mg/L	-0.000132	mg/L	15:27:58
1	Cr 267.716 At	165.3	-10.5	-0.000240	mg/L	-0.000240	mg/L	15:27:58
1	Cu 324.752 At	4081.8	8.8	0.000049	mg/L	0.000049	mg/L	15:27:38
1	Ga 417.206 At	-103.0	-8.7	-0.000114	mg/L	-0.000114	mg/L	15:27:38
1	La 379.478 At	-475.5	13.4	0.000059	mg/L	0.000059	mg/L	15:27:38
1	Mo 202.031 At	40.5	3.1	0.000373	mg/L	0.000373	mg/L	15:27:58
1	Ni 232.003 At	-98.7	-8.3	-0.000786	mg/L	-0.000786	mg/L	15:27:58
1	P 213.617 At	-75.9	0.8	0.000373	mg/L	0.000373	mg/L	15:27:58
1	Pb 220.353 At	39.5	-0.2	-0.000046	mg/L	-0.000046	mg/L	15:27:58
1	Sb 206.836 At	-9.9	2.5	0.001321	mg/L	0.001321	mg/L	15:27:58
1	Sc 361.383 At	27.5	35.7	0.000028	mg/L	0.000028	mg/L	15:27:38
1	Se 196.026 At	-33.2	-2.4	-0.004137	mg/L	-0.004137	mg/L	15:27:58
1	Sn 189.927 At	-39.4	-2.2	-0.000801	mg/L	-0.000801	mg/L	15:27:58
1	Ti 336.121 At	-730.4	4.1	0.000015	mg/L	0.000015	mg/L	15:27:38
1	Tl 190.801 At	-10.3	0.3	0.000393	mg/L	0.000393	mg/L	15:27:58
1	V 292.402 At	-453.7	13.8	0.000150	mg/L	0.000150	mg/L	15:27:38
1	Zn 206.200 At	18.9	-3.2	-0.000288	mg/L	-0.000288	mg/L	15:27:58
2	Lu 261.542 R	183376.7	183376.7	99.0240	%			15:26:55
2	Al 308.215 Rt	49.1	-4.0	-0.004084	mg/L	-0.004084	mg/L	15:27:15
2	B 249.677 Rt	5.0	-0.2	-0.000101	mg/L	-0.000101	mg/L	15:27:15
2	Be 313.107 Rt	92.4	2.4	0.000017	mg/L	0.000017	mg/L	15:27:15
2	Ca 315.887 Rt	-74.9	2.8	0.000756	mg/L	0.000756	mg/L	15:27:15
2	Fe 273.955 Rt	15.6	-1.6	-0.001743	mg/L	-0.001743	mg/L	15:27:15
2	K 766.490 Rt	335.5	12.7	0.004920	mg/L	0.004920	mg/L	15:26:55
2	Li 670.784 Rt	101.3	6.5	0.000075	mg/L	0.000075	mg/L	15:26:55
2	Mg 279.077 Rt	-4.0	-0.1	-0.000117	mg/L	-0.000117	mg/L	15:27:15
2	Mn 260.568 Rt	-2.7	-4.6	-0.000341	mg/L	-0.000341	mg/L	15:27:15
2	Na 589.592 Rt	64.7	-2.3	-0.000299	mg/L	-0.000299	mg/L	15:26:55
2	Si 251.611 Rt	53.3	-28.9	-0.020405	mg/L	-0.020405	mg/L	15:27:15
2	SIO2 251.611 Rt	53.3	-28.9	-0.043668	mg/L	-0.043668	mg/L	15:27:15
2	Sr 421.552 Rt	166.8	5.1	0.000007	mg/L	0.000007	mg/L	15:26:55
2	Lu 261.542 A	2741583.3	2741583.3	99.7622	%			15:28:10
2	Ag 328.068 At	-361.0	5.4	0.000029	mg/L	0.000029	mg/L	15:28:20
2	As 188.979 At	-9.3	3.4	0.003230	mg/L	0.003230	mg/L	15:28:40
2	Ba 233.527 At	-66.1	-3.9	-0.000089	mg/L	-0.000089	mg/L	15:28:40
2	Bi 222.821 At	43.1	0.8	0.000746	mg/L	0.000746	mg/L	15:28:40
2	Cd 226.502 At	-66.9	-6.1	-0.000163	mg/L	-0.000163	mg/L	15:28:40
2	Co 228.616 At	-108.0	-0.2	-0.000011	mg/L	-0.000011	mg/L	15:28:40
2	Cr 267.716 At	178.0	1.0	0.000023	mg/L	0.000023	mg/L	15:28:40
2	Cu 324.752 At	4098.4	-7.9	-0.000044	mg/L	-0.000044	mg/L	15:28:20

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2	Ga 417.206 At	-107.7	-12.6	-0.000166 mg/L	-0.000166 mg/L	15:28:20
2	La 379.478 At	-496.4	-3.7	-0.000016 mg/L	-0.000016 mg/L	15:28:20
2	Mo 202.031 At	36.2	-1.5	-0.000161 mg/L	-0.000161 mg/L	15:28:40
2	Ni 232.003 At	-95.7	-4.6	-0.000436 mg/L	-0.000436 mg/L	15:28:40
2	P 213.617 At	-71.7	5.6	0.002707 mg/L	0.002707 mg/L	15:28:40
2	Pb 220.353 At	36.4	-3.7	-0.000894 mg/L	-0.000894 mg/L	15:28:40
2	Sb 206.836 At	-9.3	3.2	0.001669 mg/L	0.001669 mg/L	15:28:40
2	Sc 361.383 At	6.4	14.4	0.000011 mg/L	0.000011 mg/L	15:28:20
2	Se 196.026 At	-29.0	2.1	0.003567 mg/L	0.003567 mg/L	15:28:40
2	Sn 189.927 At	-36.9	0.6	0.000228 mg/L	0.000228 mg/L	15:28:40
2	Ti 336.121 At	-728.1	12.4	0.000045 mg/L	0.000045 mg/L	15:28:20
2	Tl 190.801 At	-9.0	1.7	0.002193 mg/L	0.002193 mg/L	15:28:40
2	V 292.402 At	-458.6	12.5	0.000133 mg/L	0.000133 mg/L	15:28:20
2	Zn 206.200 At	18.8	-3.4	-0.000304 mg/L	-0.000304 mg/L	15:28:40

Mean Data: ICB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	183647.1	99.1701	%	0.20652				0.21%
Lu 261.542 A	2730488.4	99.3584	%	0.57096				0.57%
Ag 328.068 At	16.0	0.000095	mg/L	0.0000935	0.000095	mg/L	0.0000935	98.81%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-2.5	-0.002516	mg/L	0.0022174	-0.002516	mg/L	0.0022174	88.14%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	4.9	0.004673	mg/L	0.0020410	0.004673	mg/L	0.0020410	43.68%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	1.6	0.000821	mg/L	0.0013029	0.000821	mg/L	0.0013029	158.77%
Ba 233.527 At	-2.1	-0.000047	mg/L	0.0000592	-0.000047	mg/L	0.0000592	126.15%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	6.4	0.000045	mg/L	0.0000400	0.000045	mg/L	0.0000400	88.32%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	-0.7	-0.000617	mg/L	0.0019268	-0.000617	mg/L	0.0019268	312.48%
Ca 315.887 Rt	-0.2	-0.000045	mg/L	0.0011321	-0.000045	mg/L	0.0011321	>999.9%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	-3.9	-0.000104	mg/L	0.0000826	-0.000104	mg/L	0.0000826	79.28%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	-1.4	-0.000072	mg/L	0.0000853	-0.000072	mg/L	0.0000853	119.23%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-4.7	-0.000109	mg/L	0.0001855	-0.000109	mg/L	0.0001855	170.79%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	0.5	0.000003	mg/L	0.0000660	0.000003	mg/L	0.0000660	>999.9%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-2.4	-0.002634	mg/L	0.0012604	-0.002634	mg/L	0.0012604	47.85%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-10.7	-0.000140	mg/L	0.0000366	-0.000140	mg/L	0.0000366	26.19%
K 766.490 Rt	4.2	0.001633	mg/L	0.0046485	0.001633	mg/L	0.0046485	284.63%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	4.8	0.000022	mg/L	0.0000536	0.000022	mg/L	0.0000536	249.13%
Li 670.784 Rt	12.8	0.000147	mg/L	0.0001030	0.000147	mg/L	0.0001030	69.89%
Mg 279.077 Rt	1.9	0.003529	mg/L	0.0051572	0.003529	mg/L	0.0051572	146.12%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	-3.1	-0.000228	mg/L	0.0001602	-0.000228	mg/L	0.0001602	70.27%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	0.8	0.000106	mg/L	0.0003779	0.000106	mg/L	0.0003779	356.17%
Na 589.592 Rt	1.7	0.000212	mg/L	0.0007238	0.000212	mg/L	0.0007238	340.63%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	-6.5	-0.000611	mg/L	0.0002480	-0.000611	mg/L	0.0002480	40.57%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	3.2	0.001540	mg/L	0.0016503	0.001540	mg/L	0.0016503	107.18%
Pb 220.353 At	-1.9	-0.000470	mg/L	0.0005991	-0.000470	mg/L	0.0005991	127.48%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	2.8	0.001495	mg/L	0.0002463	0.001495	mg/L	0.0002463	16.48%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	25.1	0.000020	mg/L	0.0000118	0.000020	mg/L	0.0000118	60.27%
Se 196.026 At	-0.2	-0.000285	mg/L	0.0054473	-0.000285	mg/L	0.0054473	>999.9%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-29.8	-0.021051	mg/L	0.0009133	-0.021051	mg/L	0.0009133	4.34%
SIO2 251.611 Rt	-29.8	-0.045050	mg/L	0.0019544	-0.045050	mg/L	0.0019544	4.34%
Sn 189.927 At	-0.8	-0.000287	mg/L	0.0007276	-0.000287	mg/L	0.0007276	253.84%
Sr 421.552 Rt	8.3	0.000011	mg/L	0.0000063	0.000011	mg/L	0.0000063	55.13%
Ti 336.121 At	8.2	0.000030	mg/L	0.0000212	0.000030	mg/L	0.0000212	71.06%

Tl 190.801 A†	1.0	0.001293 mg/L	0.0012732	0.001293 mg/L	0.0012732	98.48%
QC value within limits for Tl 190.801 A Recovery = Not calculated						
V 292.402 A†	13.1	0.000141 mg/L	0.0000121	0.000141 mg/L	0.0000121	8.59%
QC value within limits for V 292.402 A Recovery = Not calculated						
Zn 206.200 A†	-3.3	-0.000296 mg/L	0.0000115	-0.000296 mg/L	0.0000115	3.88%
QC value within limits for Zn 206.200 A Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 7
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2009 3:30:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI

Rep1#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	185731.5	185731.5	100.296	%			15:32:11
1	Al 308.215 Rt	93.9	40.0	0.039772	mg/L	0.039772	mg/L	15:32:31
1	B 249.677 Rt	22.7	17.4	0.008931	mg/L	0.008931	mg/L	15:32:31
1	Be 313.107 Rt	782.3	689.0	0.004854	mg/L	0.004854	mg/L	15:32:31
1	Ca 315.887 Rt	256.9	334.5	0.089762	mg/L	0.089762	mg/L	15:32:31
1	Fe 273.955 Rt	13.2	-4.2	-0.004806	mg/L	-0.004806	mg/L	15:32:31
1	K 766.490 Rt	330.7	3.6	0.001394	mg/L	0.001394	mg/L	15:32:11
1	Li 670.784 Rt	131.7	35.5	0.000410	mg/L	0.000410	mg/L	15:32:11
1	Mg 279.077 Rt	-1.3	2.7	0.004957	mg/L	0.004957	mg/L	15:32:31
1	Mn 260.568 Rt	212.2	209.7	0.015395	mg/L	0.015395	mg/L	15:32:31
1	Na 589.592 Rt	104.5	36.4	0.004680	mg/L	0.004680	mg/L	15:32:11
1	Si 251.611 Rt	47.4	-35.4	-0.025035	mg/L	-0.025035	mg/L	15:32:31
1	SIO2 251.611 Rt	47.4	-35.4	-0.053576	mg/L	-0.053576	mg/L	15:32:31
1	Sr 421.552 Rt	630.7	465.5	0.000639	mg/L	0.000639	mg/L	15:32:11
1	Lu 261.542 A	2798101.7	2798101.7	101.819	%			15:33:15
1	Ag 328,068 At	878.9	1230.5	0.008072	mg/L	0.008072	mg/L	15:33:25
1	As 188.979 At	2.7	15.3	0.014755	mg/L	0.014755	mg/L	15:33:46
1	Ba 233.527 At	-58.8	4.6	0.000104	mg/L	0.000104	mg/L	15:33:46
1	Bi 222.821 At	43.9	0.7	0.000663	mg/L	0.000663	mg/L	15:33:46
1	Cd 226.502 At	136.1	194.6	0.005151	mg/L	0.005151	mg/L	15:33:46
1	Co 228.616 At	855.4	948.1	0.049863	mg/L	0.049863	mg/L	15:33:46
1	Cr 267.716 At	614.0	425.5	0.009749	mg/L	0.009749	mg/L	15:33:46
1	Cu 324.752 At	8624.0	4353.9	0.024409	mg/L	0.024409	mg/L	15:33:25
1	Ga 417.206 At	-32.4	63.5	0.000835	mg/L	0.000835	mg/L	15:33:25
1	La 379.478 At	-481.6	20.9	0.000093	mg/L	0.000093	mg/L	15:33:25
1	Mo 202.031 At	31.5	-6.9	-0.000773	mg/L	-0.000773	mg/L	15:33:46
1	Ni 232.003 At	315.4	401.1	0.037643	mg/L	0.037643	mg/L	15:33:46
1	P 213.617 At	-68.4	10.2	0.004336	mg/L	0.004336	mg/L	15:33:46
1	Pb 220.353 At	74.4	32.9	0.007999	mg/L	0.007999	mg/L	15:33:46
1	Sb 206.836 At	105.9	116.5	0.061083	mg/L	0.061083	mg/L	15:33:46
1	Sc 361.383 At	9.5	17.2	0.000013	mg/L	0.000013	mg/L	15:33:25
1	Se 196.026 At	-7.6	23.6	0.040512	mg/L	0.040512	mg/L	15:33:46
1	Sn 189.927 At	-28.9	9.2	0.003319	mg/L	0.003319	mg/L	15:33:46
1	Ti 336.121 At	-657.9	96.0	0.000347	mg/L	0.000347	mg/L	15:33:25
1	Tl 190.801 At	8.9	19.5	0.025156	mg/L	0.025156	mg/L	15:33:46
1	V 292.402 At	4349.3	4743.8	0.050852	mg/L	0.050852	mg/L	15:33:25
1	Zn 206.200 At	700.9	666.2	0.059874	mg/L	0.059874	mg/L	15:33:46
2	Lu 261.542 R	187684.0	187684.0	101.350	%			15:32:42
2	Al 308.215 Rt	86.4	31.6	0.031334	mg/L	0.031334	mg/L	15:33:02
2	B 249.677 Rt	22.4	16.8	0.008624	mg/L	0.008624	mg/L	15:33:02
2	Be 313.107 Rt	771.2	670.0	0.004720	mg/L	0.004720	mg/L	15:33:02
2	Ca 315.887 Rt	264.1	339.0	0.090965	mg/L	0.090965	mg/L	15:33:02
2	Fe 273.955 Rt	14.8	-2.7	-0.003180	mg/L	-0.003180	mg/L	15:33:02
2	K 766.490 Rt	338.5	7.9	0.003068	mg/L	0.003068	mg/L	15:32:42
2	Li 670.784 Rt	126.3	28.8	0.000333	mg/L	0.000333	mg/L	15:32:42
2	Mg 279.077 Rt	-1.1	2.9	0.005338	mg/L	0.005338	mg/L	15:33:02
2	Mn 260.568 Rt	210.5	205.8	0.015113	mg/L	0.015113	mg/L	15:33:02
2	Na 589.592 Rt	89.2	20.3	0.002606	mg/L	0.002606	mg/L	15:32:42
2	Si 251.611 Rt	47.6	-35.7	-0.025242	mg/L	-0.025242	mg/L	15:33:02
2	SIO2 251.611 Rt	47.6	-35.7	-0.054017	mg/L	-0.054017	mg/L	15:33:02
2	Sr 421.552 Rt	620.5	448.9	0.000616	mg/L	0.000616	mg/L	15:32:42
2	Lu 261.542 A	2802700.8	2802700.8	101.986	%			15:33:57
2	Ag 328.068 At	871.4	1221.7	0.008014	mg/L	0.008014	mg/L	15:34:07
2	As 188.979 At	2.8	15.4	0.014812	mg/L	0.014812	mg/L	15:34:27
2	Ba 233.527 At	-55.3	8.1	0.000183	mg/L	0.000183	mg/L	15:34:27
2	Bi 222.821 At	37.6	-5.6	-0.005326	mg/L	-0.005326	mg/L	15:34:27
2	Cd 226.502 At	137.6	195.8	0.005183	mg/L	0.005183	mg/L	15:34:27
2	Co 228.616 At	859.9	951.2	0.050022	mg/L	0.050022	mg/L	15:34:27
2	Cr 267.716 At	610.6	421.2	0.009651	mg/L	0.009651	mg/L	15:34:27
2	Cu 324.752 At	8556.3	4273.6	0.023958	mg/L	0.023958	mg/L	15:34:07

Method: ILMO5 OPT5 Page 14 Date: 5/20/2009 3:34:30 PM

2	Ga 417.206 At	-18.1	77.6	0.001019 mg/L	0.001019 mg/L	15:34:07
2	La 379.478 At	-466.3	36.7	0.000163 mg/L	0.000163 mg/L	15:34:07
2	Mo 202.031 At	35.0	-3.4	-0.000382 mg/L	-0.000382 mg/L	15:34:27
2	Ni 232.003 At	308.3	393.7	0.036943 mg/L	0.036943 mg/L	15:34:27
2	P 213.617 At	-61.7	16.9	0.007596 mg/L	0.007596 mg/L	15:34:27
2	Pb 220.353 At	74.9	33.4	0.008103 mg/L	0.008103 mg/L	15:34:27
2	Sb 206.836 At	105.3	115.7	0.060672 mg/L	0.060672 mg/L	15:34:27
2	Sc 361.383 At	19.9	27.5	0.000022 mg/L	0.000022 mg/L	15:34:07
2	Se 196.026 At	-4.9	26.4	0.045192 mg/L	0.045192 mg/L	15:34:27
2	Sn 189.927 At	-28.9	9.2	0.003326 mg/L	0.003326 mg/L	15:34:27
2	Ti 336.121 At	-646.0	108.8	0.000393 mg/L	0.000393 mg/L	15:34:07
2	Tl 190.801 At	8.5	19.0	0.024565 mg/L	0.024565 mg/L	15:34:27
2	V 292.402 At	4295.3	4683.9	0.050212 mg/L	0.050212 mg/L	15:34:07
2	Zn 206.200 At	698.9	663.0	0.059591 mg/L	0.059591 mg/L	15:34:27

Mean Data: CRI

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	186707.7	100.823	%	0.7455				0.74%
Lu 261.542 A	2800401.2	101.902	%	0.1183				0.12%
Ag 328.068 At	1226.1	0.008043	mg/L	0.0000412	0.008043	mg/L	0.0000412	0.51%
QC value within limits for Ag 328.068 A Recovery = 80.43%								
Al 308.215 Rt	35.8	0.035553	mg/L	0.0059665	0.035553	mg/L	0.0059665	16.78%
As 188.979 At	15.4	0.014784	mg/L	0.0000403	0.014784	mg/L	0.0000403	0.27%
QC value greater than the upper limit for As 188.979 A Recovery = 147.84%								
B 249.677 Rt	17.1	0.008777	mg/L	0.0002174	0.008777	mg/L	0.0002174	2.48%
Ba 233.527 At	6.4	0.000144	mg/L	0.0000556	0.000144	mg/L	0.0000556	38.66%
Be 313.107 Rt	679.5	0.004787	mg/L	0.0000950	0.004787	mg/L	0.0000950	1.98%
QC value within limits for Be 313.107 R Recovery = 95.74%								
Bi 222.821 At	-2.4	-0.002332	mg/L	0.0042351	-0.002332	mg/L	0.0042351	181.63%
Ca 315.887 Rt	336.8	0.090364	mg/L	0.0008505	0.090364	mg/L	0.0008505	0.94%
Cd 226.502 At	195.2	0.005167	mg/L	0.0000225	0.005167	mg/L	0.0000225	0.43%
QC value within limits for Cd 226.502 A Recovery = 103.35%								
Co 228.616 At	949.6	0.049943	mg/L	0.0001127	0.049943	mg/L	0.0001127	0.23%
QC value within limits for Co 228.616 A Recovery = 99.89%								
Cr 267.716 At	423.3	0.009700	mg/L	0.0000697	0.009700	mg/L	0.0000697	0.72%
QC value within limits for Cr 267.716 A Recovery = 97.00%								
Cu 324.752 At	4313.7	0.024183	mg/L	0.0003184	0.024183	mg/L	0.0003184	1.32%
QC value within limits for Cu 324.752 A Recovery = 96.73%								
Fe 273.955 Rt	-3.4	-0.003993	mg/L	0.0011503	-0.003993	mg/L	0.0011503	28.81%
Ga 417.206 At	70.5	0.000927	mg/L	0.0001303	0.000927	mg/L	0.0001303	14.06%
K 766.490 Rt	5.8	0.002231	mg/L	0.0011836	0.002231	mg/L	0.0011836	53.05%
La 379.478 At	28.8	0.000128	mg/L	0.0000494	0.000128	mg/L	0.0000494	38.63%
Li 670.784 Rt	32.2	0.000371	mg/L	0.0000547	0.000371	mg/L	0.0000547	14.74%
Mg 279.077 Rt	2.8	0.005147	mg/L	0.0002696	0.005147	mg/L	0.0002696	5.24%
Mn 260.568 Rt	207.8	0.015254	mg/L	0.0001998	0.015254	mg/L	0.0001998	1.31%
QC value within limits for Mn 260.568 R Recovery = 101.69%								
Mo 202.031 At	-5.1	-0.000578	mg/L	0.0002765	-0.000578	mg/L	0.0002765	47.86%
Na 589.592 Rt	28.4	0.003643	mg/L	0.0014669	0.003643	mg/L	0.0014669	40.27%
Ni 232.003 At	397.4	0.037293	mg/L	0.0004950	0.037293	mg/L	0.0004950	1.33%
QC value within limits for Ni 232.003 A Recovery = 93.23%								
P 213.617 At	13.6	0.005966	mg/L	0.0023053	0.005966	mg/L	0.0023053	38.64%
Pb 220.353 At	33.2	0.008051	mg/L	0.0000731	0.008051	mg/L	0.0000731	0.91%
QC value within limits for Pb 220.353 A Recovery = 80.51%								
Sb 206.836 At	116.1	0.060877	mg/L	0.0002907	0.060877	mg/L	0.0002907	0.48%
QC value within limits for Sb 206.836 A Recovery = 101.46%								
Sc 361.383 At	22.3	0.000018	mg/L	0.0000057	0.000018	mg/L	0.0000057	32.45%
Se 196.026 At	25.0	0.042852	mg/L	0.0033096	0.042852	mg/L	0.0033096	7.72%
QC value within limits for Se 196.026 A Recovery = 122.43%								
Si 251.611 Rt	-35.6	-0.025139	mg/L	0.0001458	-0.025139	mg/L	0.0001458	0.58%
SIO2 251.611 Rt	-35.6	-0.053796	mg/L	0.0003119	-0.053796	mg/L	0.0003119	0.58%
Sn 189.927 At	9.2	0.003322	mg/L	0.0000055	0.003322	mg/L	0.0000055	0.17%
Sr 421.552 Rt	457.2	0.000628	mg/L	0.0000161	0.000628	mg/L	0.0000161	2.57%
Ti 336.121 At	102.4	0.000370	mg/L	0.0000326	0.000370	mg/L	0.0000326	8.81%
Tl 190.801 At	19.3	0.024861	mg/L	0.0004181	0.024861	mg/L	0.0004181	1.68%
QC value within limits for Tl 190.801 A Recovery = 99.44%								
V 292.402 At	4713.8	0.050532	mg/L	0.0004523	0.050532	mg/L	0.0004523	0.90%
QC value within limits for V 292.402 A Recovery = 101.06%								
Zn 206.200 At	664.6	0.059732	mg/L	0.0001998	0.059732	mg/L	0.0001998	0.33%
QC value within limits for Zn 206.200 A Recovery = 99.55%								

QC Failed. Continue with analysis.

Method: ILMO5 OPT5 Page 15 Date: 5/20/2009 3:40:40 PM

Sequence No.: 8
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2009 3:36:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	189257.3	189257.3	102.200	%			15:38:02
1	Al 308.215 Rt	241924.9	236664.4	239.012	mg/L	239.012	mg/L	15:38:02
1	B 249.677 Rt	2.2	-3.0	-0.001500	mg/L	-0.001500	mg/L	15:38:32
1	Be 313.107 Rt	174.5	79.8	0.000566	mg/L	0.000566	mg/L	15:38:32
1	Ca 315.887 Rt	899165.0	879890.8	236.100	mg/L	236.100	mg/L	15:38:02
1	Fe 273.955 Rt	83603.3	81786.7	90.6070	mg/L	90.6070	mg/L	15:38:12
1	K 766.490 Rt	312.3	-20.5	-0.007958	mg/L	-0.007958	mg/L	15:38:12
1	Li 670.784 Rt	95.3	-2.6	-0.000030	mg/L	-0.000030	mg/L	15:38:12
1	Mg 279.077 Rt	136284.9	133355.6	249.316	mg/L	249.316	mg/L	15:38:02
1	Mn 260.568 Rt	424.5	413.5	0.016800	mg/L	0.016800	mg/L	15:38:32
1	Na 589.592 Rt	6288.3	6085.2	0.781699	mg/L	0.781699	mg/L	15:38:12
1	Si 251.611 Rt	78.4	-6.0	-0.004372	mg/L	-0.004372	mg/L	15:38:32
1	SIO2 251.611 Rt	78.4	-6.0	-0.009356	mg/L	-0.009356	mg/L	15:38:32
1	Sr 421.552 Rt	70103.4	68431.2	0.093935	mg/L	0.093935	mg/L	15:38:12
1	Lu 261.542 A	2680576.0	2680576.0	97.5422	%			15:39:27
1	Ag 328.068 At	-873.5	-528.2	0.000398	mg/L	0.000398	mg/L	15:39:37
1	As 188.979 At	-11.4	0.9	0.000087	mg/L	0.000087	mg/L	15:39:57
1	Ba 233.527 At	201.7	269.2	0.006063	mg/L	0.006063	mg/L	15:39:57
1	Bi 222.821 At	68.2	27.4	-0.039513	mg/L	-0.039513	mg/L	15:39:57
1	Cd 226.502 At	617.3	693.8	-0.005288	mg/L	-0.005288	mg/L	15:39:57
1	Co 228.616 At	4.9	113.1	0.005941	mg/L	0.005941	mg/L	15:39:57
1	Cr 267.716 At	2087.3	1962.5	0.043496	mg/L	0.043496	mg/L	15:39:57
1	Cu 324.752 At	8651.6	4753.5	0.026647	mg/L	0.026647	mg/L	15:39:37
1	Ga 417.206 At	3815.4	4006.9	0.031976	mg/L	0.031976	mg/L	15:39:37
1	La 379.478 At	4301.8	4904.1	0.021751	mg/L	0.021751	mg/L	15:39:37
1	Mo 202.031 At	95.7	60.3	0.005352	mg/L	0.005352	mg/L	15:39:57
1	Ni 232.003 At	-605.3	-529.2	0.036673	mg/L	0.036673	mg/L	15:39:37
1	P 213.617 At	-31.1	45.6	0.054146	mg/L	0.054146	mg/L	15:39:57
1	Pb 220.353 At	43.5	4.5	0.005819	mg/L	0.005819	mg/L	15:39:57
1	Sb 206.836 At	-12.3	-0.2	-0.003335	mg/L	-0.003335	mg/L	15:39:57
1	Sc 361.383 At	-676.6	-685.7	-0.000538	mg/L	-0.000538	mg/L	15:39:37
1	Se 196.026 At	-12.7	18.1	0.019005	mg/L	0.019005	mg/L	15:39:57
1	Sn 189.927 At	-77.8	-42.2	-0.015248	mg/L	-0.015248	mg/L	15:39:57
1	Ti 336.121 At	-170.5	567.4	-0.005116	mg/L	-0.005116	mg/L	15:39:37
1	Tl 190.801 At	-11.1	-0.6	0.004442	mg/L	0.004442	mg/L	15:39:57
1	V 292.402 At	43.8	517.2	-0.000330	mg/L	-0.000330	mg/L	15:39:37
1	Zn 206.200 At	382.1	369.5	0.033195	mg/L	0.033195	mg/L	15:39:57
2	Lu 261.542 R	189255.5	189255.5	102.199	%			15:38:43
2	Al 308.215 Rt	241387.5	236140.8	238.483	mg/L	238.483	mg/L	15:38:43
2	B 249.677 Rt	0.0	-5.2	-0.002636	mg/L	-0.002636	mg/L	15:39:13
2	Be 313.107 Rt	174.7	80.0	0.000568	mg/L	0.000568	mg/L	15:39:13
2	Ca 315.887 Rt	898866.7	879607.6	236.024	mg/L	236.024	mg/L	15:38:43
2	Fe 273.955 Rt	84098.8	82272.2	91.1450	mg/L	91.1450	mg/L	15:38:53
2	K 766.490 Rt	318.4	-14.5	-0.005614	mg/L	-0.005614	mg/L	15:38:53
2	Li 670.784 Rt	87.8	-9.9	-0.000114	mg/L	-0.000114	mg/L	15:38:53
2	Mg 279.077 Rt	136665.3	133729.2	250.014	mg/L	250.014	mg/L	15:38:43
2	Mn 260.568 Rt	426.8	415.7	0.016904	mg/L	0.016904	mg/L	15:39:13
2	Na 589.592 Rt	6311.9	6108.4	0.784671	mg/L	0.784671	mg/L	15:38:53
2	Si 251.611 Rt	71.6	-12.6	-0.009063	mg/L	-0.009063	mg/L	15:39:13
2	SIO2 251.611 Rt	71.6	-12.6	-0.019394	mg/L	-0.019394	mg/L	15:39:13
2	Sr 421.552 Rt	70765.3	69079.6	0.094825	mg/L	0.094825	mg/L	15:38:53
2	Lu 261.542 A	2695031.3	2695031.3	98.0682	%			15:40:08
2	Ag 328.068 At	-818.4	-467.2	0.000809	mg/L	0.000809	mg/L	15:40:19
2	As 188.979 At	-5.5	7.1	0.006005	mg/L	0.006005	mg/L	15:40:39
2	Ba 233.527 At	201.3	267.6	0.006028	mg/L	0.006028	mg/L	15:40:39
2	Bi 222.821 At	66.1	24.9	-0.042300	mg/L	-0.042300	mg/L	15:40:39
2	Cd 226.502 At	621.6	694.7	-0.005407	mg/L	-0.005407	mg/L	15:40:39
2	Co 228.616 At	8.4	116.6	0.006126	mg/L	0.006126	mg/L	15:40:39
2	Cr 267.716 At	2074.2	1937.6	0.042921	mg/L	0.042921	mg/L	15:40:39
2	Cu 324.752 At	8629.7	4683.6	0.026255	mg/L	0.026255	mg/L	15:40:19

Method: ILM05 OPT5 Page 16 Date: 5/20/2009 3:40:41 PM

2	Ga 417.206 At	3807.7	3978.0	0.031474 mg/L	0.031474 mg/L	15:40:19
2	La 379.478 At	4141.8	4717.3	0.020923 mg/L	0.020923 mg/L	15:40:19
2	Mo 202.031 At	95.1	59.2	0.005240 mg/L	0.005240 mg/L	15:40:39
2	Ni 232.003 At	-607.3	-527.9	0.037343 mg/L	0.037343 mg/L	15:40:19
2	P 213.617 At	-31.0	45.8	0.054460 mg/L	0.054460 mg/L	15:40:39
2	Pb 220.353 At	32.4	-7.1	0.002925 mg/L	0.002925 mg/L	15:40:39
2	Sb 206.836 At	-6.1	6.2	0.000009 mg/L	0.000009 mg/L	15:40:39
2	Sc 361.383 At	-675.9	-681.3	-0.000534 mg/L	-0.000534 mg/L	15:40:19
2	Se 196.026 At	-18.5	12.2	0.008893 mg/L	0.008893 mg/L	15:40:39
2	Sn 189.927 At	-64.3	-28.0	-0.010106 mg/L	-0.010106 mg/L	15:40:39
2	Ti 336.121 At	-173.1	565.7	-0.005136 mg/L	-0.005136 mg/L	15:40:19
2	Tl 190.801 At	-10.7	-0.2	0.005018 mg/L	0.005018 mg/L	15:40:39
2	V 292.402 At	30.7	503.5	-0.000514 mg/L	-0.000514 mg/L	15:40:19
2	Zn 206.200 At	375.0	360.2	0.032361 mg/L	0.032361 mg/L	15:40:39

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	189256.4	102.199	%	0.0007				0.00%
Lu 261.542 A	2687803.6	97.8052	%	0.37194				0.38%
Ag 328.068 At	-497.7	0.000603	mg/L	0.0002907	0.000603	mg/L	0.0002907	48.20%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	236402.6	238.748	mg/L	0.3738	238.748	mg/L	0.3738	0.16%
QC value within limits for Al 308.215 R Recovery = 97.81%								
As 188.979 At	4.0	0.003046	mg/L	0.0041841	0.003046	mg/L	0.0041841	137.37%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-4.1	-0.002068	mg/L	0.0008026	-0.002068	mg/L	0.0008026	38.81%
Ba 233.527 At	268.4	0.006045	mg/L	0.0000251	0.006045	mg/L	0.0000251	0.41%
QC value within limits for Ba 233.527 A Recovery = 302.27%								
Be 313.107 Rt	79.9	0.000567	mg/L	0.0000009	0.000567	mg/L	0.0000009	0.17%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	26.2	-0.040906	mg/L	0.0019710	-0.040906	mg/L	0.0019710	4.82%
Ca 315.887 Rt	879749.2	236.062	mg/L	0.0537	236.062	mg/L	0.0537	0.02%
QC value within limits for Ca 315.887 R Recovery = 100.49%								
Cd 226.502 At	694.2	-0.005348	mg/L	0.0000840	-0.005348	mg/L	0.0000840	1.57%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	114.8	0.006034	mg/L	0.0001309	0.006034	mg/L	0.0001309	2.17%
QC value within limits for Co 228.616 A Recovery = 150.84%								
Cr 267.716 At	1950.0	0.043209	mg/L	0.0004065	0.043209	mg/L	0.0004065	0.94%
QC value within limits for Cr 267.716 A Recovery = 100.49%								
Cu 324.752 At	4718.6	0.026451	mg/L	0.0002768	0.026451	mg/L	0.0002768	1.05%
QC value within limits for Cu 324.752 A Recovery = 115.01%								
Fe 273.955 Rt	82029.4	90.8760	mg/L	0.38043	90.8760	mg/L	0.38043	0.42%
QC value within limits for Fe 273.955 R Recovery = 95.06%								
Ga 417.206 At	3992.5	0.031725	mg/L	0.0003547	0.031725	mg/L	0.0003547	1.12%
K 766.490 Rt	-17.5	-0.006786	mg/L	0.0016572	-0.006786	mg/L	0.0016572	24.42%
La 379.478 At	4810.7	0.021337	mg/L	0.0005859	0.021337	mg/L	0.0005859	2.75%
Li 670.784 Rt	-6.2	-0.000072	mg/L	0.0000594	-0.000072	mg/L	0.0000594	82.68%
Mg 279.077 Rt	133542.4	249.665	mg/L	0.4938	249.665	mg/L	0.4938	0.20%
QC value within limits for Mg 279.077 R Recovery = 100.87%								
Mn 260.568 Rt	414.6	0.016852	mg/L	0.0000736	0.016852	mg/L	0.0000736	0.44%
QC value within limits for Mn 260.568 R Recovery = 88.69%								
Mo 202.031 At	59.8	0.005296	mg/L	0.0000796	0.005296	mg/L	0.0000796	1.50%
Na 589.592 Rt	6096.8	0.783185	mg/L	0.0021017	0.783185	mg/L	0.0021017	0.27%
Ni 232.003 At	-528.5	0.037008	mg/L	0.0004737	0.037008	mg/L	0.0004737	1.28%
QC value within limits for Ni 232.003 A Recovery = 176.23%								
P 213.617 At	45.7	0.054303	mg/L	0.0002224	0.054303	mg/L	0.0002224	0.41%
Pb 220.353 At	-1.3	0.004372	mg/L	0.0020461	0.004372	mg/L	0.0020461	46.80%
QC value within limits for Pb 220.353 A Recovery = 43.72%								
Sb 206.836 At	3.0	-0.001663	mg/L	0.0023650	-0.001663	mg/L	0.0023650	142.21%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-683.5	-0.000536	mg/L	0.0000025	-0.000536	mg/L	0.0000025	0.46%
Se 196.026 At	15.2	0.013949	mg/L	0.0071507	0.013949	mg/L	0.0071507	51.26%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-9.3	-0.006717	mg/L	0.0033168	-0.006717	mg/L	0.0033168	49.38%
SIO2 251.611 Rt	-9.3	-0.014375	mg/L	0.0070980	-0.014375	mg/L	0.0070980	49.38%
Sn 189.927 At	-35.1	-0.012677	mg/L	0.0036362	-0.012677	mg/L	0.0036362	28.68%
Sr 421.552 Rt	68755.4	0.094380	mg/L	0.0006293	0.094380	mg/L	0.0006293	0.67%
Ti 336.121 At	566.6	-0.005126	mg/L	0.0000139	-0.005126	mg/L	0.0000139	0.27%
Tl 190.801 At	-0.4	0.004730	mg/L	0.0004074	0.004730	mg/L	0.0004074	8.61%
QC value within limits for Tl 190.801 A Recovery = Not calculated								

V 292.402 At	510.3	-0.000422	mg/L	0.0001300	-0.000422	mg/L	0.0001300 30.79%
QC value within limits for V 292.402 A Recovery = -42.21%							
Zn 206.200 At	364.8	0.032778	mg/L	0.0005900	0.032778	mg/L	0.0005900 1.80%
QC value within limits for Zn 206.200 A Recovery = 117.06%							

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 18 Date: 5/20/2009 3:46:51 PM

Sequence No.: 9
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/20/2009 3:42:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	173599.8	173599.8	93.7445	%			15:44:22
1	Al 308.215 Rt	233558.5	249090.1	251.555	mg/L	251.555	mg/L	15:44:12
1	B 249.677 Rt	11.4	7.0	0.003506	mg/L	0.003506	mg/L	15:44:42
1	Be 313.107 Rt	68853.3	73356.8	0.516751	mg/L	0.516751	mg/L	15:44:12
1	Ca 315.887 Rt	866638.6	924547.2	248.083	mg/L	248.083	mg/L	15:44:12
1	Fe 273.955 Rt	81465.0	86883.8	96.2519	mg/L	96.2519	mg/L	15:44:22
1	K 766.490 Rt	292.9	-13.6	-0.005280	mg/L	-0.005280	mg/L	15:44:22
1	Li 670.784 Rt	111.3	23.0	0.000265	mg/L	0.000265	mg/L	15:44:22
1	Mg 279.077 Rt	131200.9	139959.8	261.663	mg/L	261.663	mg/L	15:44:12
1	Mn 260.568 Rt	6767.7	7217.4	0.516285	mg/L	0.516285	mg/L	15:44:42
1	Na 589.592 Rt	6181.3	6526.0	0.838324	mg/L	0.838324	mg/L	15:44:22
1	Si 251.611 Rt	92.3	15.8	0.011050	mg/L	0.011050	mg/L	15:44:42
1	SIO2 251.611 Rt	92.3	15.8	0.023647	mg/L	0.023647	mg/L	15:44:42
1	Sr 421.552 Rt	69083.8	73530.4	0.100935	mg/L	0.100935	mg/L	15:44:22
1	Lu 261.542 A	2555085.8	2555085.8	92.9758	%			15:45:37
1	Ag 328.068 At	29904.9	32531.5	0.218005	mg/L	0.218005	mg/L	15:45:47
1	As 188.979 At	87.1	106.3	0.100743	mg/L	0.100743	mg/L	15:46:07
1	Ba 233.527 At	20618.0	22238.1	0.500885	mg/L	0.500885	mg/L	15:45:47
1	Bi 222.821 At	91.7	56.2	-0.023624	mg/L	-0.023624	mg/L	15:46:07
1	Cd 226.502 At	34883.2	37579.6	0.966031	mg/L	0.966031	mg/L	15:45:47
1	Co 228.616 At	8606.6	9364.8	0.492512	mg/L	0.492512	mg/L	15:45:47
1	Cr 267.716 At	22053.7	23542.3	0.538252	mg/L	0.538252	mg/L	15:45:47
1	Cu 324.752 At	103007.0	106673.0	0.598019	mg/L	0.598019	mg/L	15:45:37
1	Ga 417.206 At	3663.8	4035.9	0.031070	mg/L	0.031070	mg/L	15:45:47
1	La 379.478 At	4431.5	5260.2	0.023331	mg/L	0.023331	mg/L	15:45:47
1	Mo 202.031 At	89.0	58.0	0.005017	mg/L	0.005017	mg/L	15:46:07
1	Ni 232.003 At	10215.7	11078.9	1.12523	mg/L	1.12523	mg/L	15:45:47
1	P 213.617 At	-30.6	44.5	0.040606	mg/L	0.040606	mg/L	15:46:07
1	Pb 220.353 At	236.6	214.4	0.056382	mg/L	0.056382	mg/L	15:46:07
1	Sb 206.836 At	1079.5	1173.5	0.609350	mg/L	0.609350	mg/L	15:46:07
1	Sc 361.383 At	-623.1	-662.3	-0.000519	mg/L	-0.000519	mg/L	15:45:47
1	Se 196.026 At	12.0	44.0	0.062712	mg/L	0.062712	mg/L	15:46:07
1	Sn 189.927 At	-71.0	-38.8	-0.014009	mg/L	-0.014009	mg/L	15:46:07
1	Ti 336.121 At	-257.1	465.7	-0.005842	mg/L	-0.005842	mg/L	15:45:47
1	Tl 190.801 At	55.8	70.8	0.097571	mg/L	0.097571	mg/L	15:46:07
1	V 292.402 At	44141.2	47948.2	0.508536	mg/L	0.508536	mg/L	15:45:47
1	Zn 206.200 At	10027.8	10763.1	0.966816	mg/L	0.966816	mg/L	15:45:47
2	Lu 261.542 R	174755.1	174755.1	94.3684	%			15:45:03
2	Al 308.215 Rt	235595.5	249601.6	252.071	mg/L	252.071	mg/L	15:44:53
2	B 249.677 Rt	9.6	5.0	0.002470	mg/L	0.002470	mg/L	15:45:23
2	Be 313.107 Rt	69875.0	73954.0	0.520957	mg/L	0.520957	mg/L	15:44:53
2	Ca 315.887 Rt	873053.0	925232.9	248.267	mg/L	248.267	mg/L	15:44:53
2	Fe 273.955 Rt	82012.3	86889.2	96.2578	mg/L	96.2578	mg/L	15:45:03
2	K 766.490 Rt	289.0	-19.9	-0.007702	mg/L	-0.007702	mg/L	15:45:03
2	Li 670.784 Rt	98.0	8.0	0.000093	mg/L	0.000093	mg/L	15:45:03
2	Mg 279.077 Rt	132575.4	140491.1	262.656	mg/L	262.656	mg/L	15:44:53
2	Mn 260.568 Rt	6755.3	7156.5	0.511774	mg/L	0.511774	mg/L	15:45:23
2	Na 589.592 Rt	6211.6	6514.5	0.836847	mg/L	0.836847	mg/L	15:45:03
2	Si 251.611 Rt	89.7	12.4	0.008602	mg/L	0.008602	mg/L	15:45:23
2	SIO2 251.611 Rt	89.7	12.4	0.018408	mg/L	0.018408	mg/L	15:45:23
2	Sr 421.552 Rt	69705.8	73702.3	0.101171	mg/L	0.101171	mg/L	15:45:03
2	Lu 261.542 A	2549033.2	2549033.2	92.7556	%			15:46:19
2	Ag 328.068 At	30034.5	32747.5	0.219426	mg/L	0.219426	mg/L	15:46:30
2	As 188.979 At	87.9	107.4	0.101797	mg/L	0.101797	mg/L	15:46:50
2	Ba 233.527 At	20565.0	22233.6	0.500783	mg/L	0.500783	mg/L	15:46:30
2	Bi 222.821 At	90.3	54.9	-0.024957	mg/L	-0.024957	mg/L	15:46:50
2	Cd 226.502 At	35003.0	37797.8	0.971788	mg/L	0.971788	mg/L	15:46:30
2	Co 228.616 At	8636.4	9418.9	0.495356	mg/L	0.495356	mg/L	15:46:30
2	Cr 267.716 At	22173.5	23727.9	0.542501	mg/L	0.542501	mg/L	15:46:30
2	Cu 324.752 At	102761.4	106671.2	0.598009	mg/L	0.598009	mg/L	15:46:19

Method: ILMO5 OPT5 Page 19 Date: 5/20/2009 3:46:52 PM

2	Ga 417.206 At	3688.6	4072.0	0.031543 mg/L	0.031543 mg/L	15:46:30
2	La 379.478 At	4479.1	5322.8	0.023608 mg/L	0.023608 mg/L	15:46:30
2	Mo 202.031 At	90.9	60.3	0.005275 mg/L	0.005275 mg/L	15:46:50
2	Ni 232.003 At	10272.8	11166.5	1.13338 mg/L	1.13338 mg/L	15:46:30
2	P 213.617 At	-36.9	37.7	0.037306 mg/L	0.037306 mg/L	15:46:50
2	Pb 220.353 At	239.8	218.4	0.057370 mg/L	0.057370 mg/L	15:46:50
2	Sb 206.836 At	1088.2	1185.7	0.615700 mg/L	0.615700 mg/L	15:46:50
2	Sc 361.383 At	-635.4	-677.1	-0.000531 mg/L	-0.000531 mg/L	15:46:30
2	Se 196.026 At	9.3	41.1	0.057633 mg/L	0.057633 mg/L	15:46:50
2	Sn 189.927 At	-68.0	-35.7	-0.012893 mg/L	-0.012893 mg/L	15:46:50
2	Ti 336.121 At	-244.4	478.7	-0.005817 mg/L	-0.005817 mg/L	15:46:30
2	Tl 190.801 At	57.6	72.9	0.100216 mg/L	0.100216 mg/L	15:46:50
2	V 292.402 At	44339.5	48274.8	0.512046 mg/L	0.512046 mg/L	15:46:30
2	Zn 206.200 At	10025.5	10786.2	0.968893 mg/L	0.968893 mg/L	15:46:30

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	174177.4	94.0564	%	0.44114				0.47%
Lu 261.542 A	2552059.5	92.8657	%	0.15573				0.17%
Ag 328.068 At	32639.5	0.218716	mg/L	0.0010053	0.218716	mg/L	0.0010053	0.46%
QC value within limits for Ag 328.068 A Recovery = 106.17%								
Al 308.215 Rt	249345.8	251.813	mg/L	0.3653	251.813	mg/L	0.3653	0.15%
QC value within limits for Al 308.215 R Recovery = 104.44%								
As 188.979 At	106.9	0.101270	mg/L	0.0007451	0.101270	mg/L	0.0007451	0.74%
QC value within limits for As 188.979 A Recovery = 100.27%								
B 249.677 Rt	6.0	0.002988	mg/L	0.0007325	0.002988	mg/L	0.0007325	24.52%
Ba 233.527 At	22235.8	0.500834	mg/L	0.0000718	0.500834	mg/L	0.0000718	0.01%
QC value within limits for Ba 233.527 A Recovery = 101.18%								
Be 313.107 Rt	73655.4	0.518854	mg/L	0.0029746	0.518854	mg/L	0.0029746	0.57%
QC value within limits for Be 313.107 R Recovery = 109.23%								
Bi 222.821 At	55.5	-0.024291	mg/L	0.0009423	-0.024291	mg/L	0.0009423	3.88%
Ca 315.887 Rt	924890.0	248.175	mg/L	0.1301	248.175	mg/L	0.1301	0.05%
QC value within limits for Ca 315.887 R Recovery = 107.39%								
Cd 226.502 At	37688.7	0.968909	mg/L	0.0040705	0.968909	mg/L	0.0040705	0.42%
QC value within limits for Cd 226.502 A Recovery = 103.08%								
Co 228.616 At	9391.9	0.493934	mg/L	0.0020107	0.493934	mg/L	0.0020107	0.41%
QC value within limits for Co 228.616 A Recovery = 107.14%								
Cr 267.716 At	23635.1	0.540377	mg/L	0.0030046	0.540377	mg/L	0.0030046	0.56%
QC value within limits for Cr 267.716 A Recovery = 105.75%								
Cu 324.752 At	106672.1	0.598014	mg/L	0.0000068	0.598014	mg/L	0.0000068	0.00%
QC value within limits for Cu 324.752 A Recovery = 109.13%								
Fe 273.955 Rt	86886.5	96.2549	mg/L	0.00417	96.2549	mg/L	0.00417	0.00%
QC value within limits for Fe 273.955 R Recovery = 101.53%								
Ga 417.206 At	4054.0	0.031307	mg/L	0.0003344	0.031307	mg/L	0.0003344	1.07%
K 766.490 Rt	-16.8	-0.006491	mg/L	0.0017129	-0.006491	mg/L	0.0017129	26.39%
La 379.478 At	5291.5	0.023470	mg/L	0.0001962	0.023470	mg/L	0.0001962	0.84%
Li 670.784 Rt	15.5	0.000179	mg/L	0.0001220	0.000179	mg/L	0.0001220	68.19%
Mg 279.077 Rt	140225.5	262.160	mg/L	0.7024	262.160	mg/L	0.7024	0.27%
QC value within limits for Mg 279.077 R Recovery = 104.40%								
Mn 260.568 Rt	7187.0	0.514029	mg/L	0.0031900	0.514029	mg/L	0.0031900	0.62%
QC value within limits for Mn 260.568 R Recovery = 102.40%								
Mo 202.031 At	59.1	0.005146	mg/L	0.0001823	0.005146	mg/L	0.0001823	3.54%
Na 589.592 Rt	6520.3	0.837585	mg/L	0.0010445	0.837585	mg/L	0.0010445	0.12%
Ni 232.003 At	11122.7	1.12931	mg/L	0.005761	1.12931	mg/L	0.005761	0.51%
QC value within limits for Ni 232.003 A Recovery = 114.77%								
P 213.617 At	41.1	0.038956	mg/L	0.0023334	0.038956	mg/L	0.0023334	5.99%
Pb 220.353 At	216.4	0.056876	mg/L	0.0006986	0.056876	mg/L	0.0006986	1.23%
QC value within limits for Pb 220.353 A Recovery = 93.24%								
Sb 206.836 At	1179.6	0.612525	mg/L	0.0044903	0.612525	mg/L	0.0044903	0.73%
QC value within limits for Sb 206.836 A Recovery = 103.99%								
Sc 361.383 At	-669.7	-0.000525	mg/L	0.0000082	-0.000525	mg/L	0.0000082	1.57%
Se 196.026 At	42.6	0.060172	mg/L	0.0035919	0.060172	mg/L	0.0035919	5.97%
QC value within limits for Se 196.026 A Recovery = 113.53%								
Si 251.611 Rt	14.1	0.009826	mg/L	0.0017310	0.009826	mg/L	0.0017310	17.62%
SIO2 251.611 Rt	14.1	0.021027	mg/L	0.0037043	0.021027	mg/L	0.0037043	17.62%
Sn 189.927 At	-37.2	-0.013451	mg/L	0.0007890	-0.013451	mg/L	0.0007890	5.87%
Sr 421.552 Rt	73616.3	0.101053	mg/L	0.0001669	0.101053	mg/L	0.0001669	0.17%
Ti 336.121 At	472.2	-0.005830	mg/L	0.0000180	-0.005830	mg/L	0.0000180	0.31%
Tl 190.801 At	71.8	0.098893	mg/L	0.0018701	0.098893	mg/L	0.0018701	1.89%
QC value within limits for Tl 190.801 A Recovery = 96.01%								

V 292.402 At	48111.5	0.510291	mg/L	0.0024813	0.510291	mg/L	0.0024813	0.49%
QC value within limits for V 292.402 A Recovery = 103.30%								
Zn 206.200 At	10774.7	0.967854	mg/L	0.0014688	0.967854	mg/L	0.0014688	0.15%
QC value within limits for Zn 206.200 A Recovery = 94.15%								

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 3:48:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	184191.5	184191.5	99.4641	%			15:50:22
1	Al 308.215 Rt	2076.2	2033.7	1.99582	mg/L	1.99582	mg/L	15:50:42
1	B 249.677 Rt	3845.2	3860.8	1.99312	mg/L	1.99312	mg/L	15:50:42
1	Be 313.107 Rt	287343.5	288800.8	2.03422	mg/L	2.03422	mg/L	15:50:22
1	Ca 315.887 Rt	74842.3	75324.0	20.2116	mg/L	20.2116	mg/L	15:50:22
1	Fe 273.955 Rt	8855.1	8885.5	9.83751	mg/L	9.83751	mg/L	15:50:42
1	K 766.490 Rt	51952.6	51906.4	20.1102	mg/L	20.1102	mg/L	15:50:22
1	Li 670.784 Rt	243.7	149.2	0.001723	mg/L	0.001723	mg/L	15:50:22
1	Mg 279.077 Rt	10777.2	10839.3	20.2647	mg/L	20.2647	mg/L	15:50:22
1	Mn 260.568 Rt	27069.4	27213.4	1.99947	mg/L	1.99947	mg/L	15:50:22
1	Na 589.592 Rt	157375.8	158156.0	20.3164	mg/L	20.3164	mg/L	15:50:22
1	Si 251.611 Rt	1605.1	1531.0	1.02647	mg/L	1.02647	mg/L	15:50:42
1	SIO2 251.611 Rt	1605.1	1531.0	2.19665	mg/L	2.19665	mg/L	15:50:42
1	Sr 421.552 Rt	1062.2	904.6	0.001242	mg/L	0.001242	mg/L	15:50:42
1	Lu 261.542 A	2731339.3	2731339.3	99.3894	%			15:51:29
1	Ag 328.068 At	301823.9	304045.4	1.99769	mg/L	1.99769	mg/L	15:51:40
1	As 188.979 At	2072.2	2097.6	2.01639	mg/L	2.01639	mg/L	15:52:00
1	Ba 233.527 At	88767.9	89375.6	2.01307	mg/L	2.01307	mg/L	15:51:40
1	Bi 222.821 At	88.8	46.9	0.004003	mg/L	0.004003	mg/L	15:52:00
1	Cd 226.502 At	75834.6	76361.4	2.01095	mg/L	2.01095	mg/L	15:51:40
1	Co 228.616 At	37755.6	38095.6	1.99876	mg/L	1.99876	mg/L	15:51:40
1	Cr 267.716 At	87324.5	87683.5	2.01085	mg/L	2.01085	mg/L	15:51:40
1	Cu 324.752 At	363606.5	361724.2	2.02780	mg/L	2.02780	mg/L	15:51:29
1	Ga 417.206 At	916.9	1017.9	0.003164	mg/L	0.003164	mg/L	15:51:40
1	La 379.478 At	1058.5	1559.0	0.006915	mg/L	0.006915	mg/L	15:51:40
1	Mo 202.031 At	17786.2	17857.7	2.04720	mg/L	2.04720	mg/L	15:51:40
1	Ni 232.003 At	21563.3	21787.1	2.00335	mg/L	2.00335	mg/L	15:51:40
1	P 213.617 At	-20.9	56.4	-0.003547	mg/L	-0.003547	mg/L	15:52:00
1	Pb 220.353 At	8135.4	8145.2	1.97971	mg/L	1.97971	mg/L	15:52:00
1	Sb 206.836 At	3857.8	3894.0	2.03552	mg/L	2.03552	mg/L	15:52:00
1	Sc 361.383 At	-96.5	-89.2	-0.000070	mg/L	-0.000070	mg/L	15:52:00
1	Se 196.026 At	1133.2	1171.2	2.00563	mg/L	2.00563	mg/L	15:52:00
1	Sn 189.927 At	-43.0	-5.7	-0.002055	mg/L	-0.002055	mg/L	15:52:00
1	Ti 336.121 At	554923.1	559074.5	2.02534	mg/L	2.02534	mg/L	15:51:29
1	Tl 190.801 At	1524.7	1544.8	1.99868	mg/L	1.99868	mg/L	15:52:00
1	V 292.402 At	185480.6	187092.3	2.02158	mg/L	2.02158	mg/L	15:51:40
1	Zn 206.200 At	22165.3	22279.2	1.99499	mg/L	1.99499	mg/L	15:51:40
2	Lu 261.542 R	184496.4	184496.4	99.6287	%			15:50:54
2	Al 308.215 Rt	2084.8	2038.9	2.00127	mg/L	2.00127	mg/L	15:51:15
2	B 249.677 Rt	3869.9	3879.2	2.00264	mg/L	2.00264	mg/L	15:51:15
2	Be 313.107 Rt	286383.7	287360.1	2.02408	mg/L	2.02408	mg/L	15:50:54
2	Ca 315.887 Rt	74938.2	75295.9	20.2041	mg/L	20.2041	mg/L	15:50:54
2	Fe 273.955 Rt	8888.3	8904.1	9.85818	mg/L	9.85818	mg/L	15:51:15
2	K 766.490 Rt	52095.6	51963.7	20.1324	mg/L	20.1324	mg/L	15:50:54
2	Li 670.784 Rt	246.9	152.0	0.001756	mg/L	0.001756	mg/L	15:50:54
2	Mg 279.077 Rt	10770.2	10814.3	20.2180	mg/L	20.2180	mg/L	15:50:54
2	Mn 260.568 Rt	27129.5	27228.7	2.00060	mg/L	2.00060	mg/L	15:50:54
2	Na 589.592 Rt	157147.0	157665.0	20.2534	mg/L	20.2534	mg/L	15:50:54
2	Si 251.611 Rt	1596.7	1519.9	1.01882	mg/L	1.01882	mg/L	15:51:15
2	SIO2 251.611 Rt	1596.7	1519.9	2.18027	mg/L	2.18027	mg/L	15:51:15
2	Sr 421.552 Rt	1074.6	915.3	0.001256	mg/L	0.001256	mg/L	15:51:15
2	Lu 261.542 A	2735692.5	2735692.5	99.5478	%			15:52:12
2	Ag 328.068 At	301207.9	302943.3	1.99043	mg/L	1.99043	mg/L	15:52:23
2	As 188.979 At	2076.2	2098.3	2.01711	mg/L	2.01711	mg/L	15:52:43
2	Ba 233.527 At	88194.4	88657.4	1.99690	mg/L	1.99690	mg/L	15:52:23
2	Bi 222.821 At	87.2	45.1	0.002480	mg/L	0.002480	mg/L	15:52:43
2	Cd 226.502 At	75612.7	76017.1	2.00186	mg/L	2.00186	mg/L	15:52:23
2	Co 228.616 At	37567.2	37845.9	1.98564	mg/L	1.98564	mg/L	15:52:23
2	Cr 267.716 At	87065.3	87283.3	2.00167	mg/L	2.00167	mg/L	15:52:23
2	Cu 324.752 At	363237.5	360771.4	2.02246	mg/L	2.02246	mg/L	15:52:12

2	Ga 417.206 At	882.2	981.6	0.002702 mg/L	0.002702 mg/L	15:52:23
2	La 379.478 At	1037.5	1536.2	0.006813 mg/L	0.006813 mg/L	15:52:23
2	Mo 202.031 At	17742.5	17785.4	2.03890 mg/L	2.03890 mg/L	15:52:23
2	Ni 232.003 At	21495.8	21684.8	1.99402 mg/L	1.99402 mg/L	15:52:23
2	P 213.617 At	-31.5	45.8	-0.008573 mg/L	-0.008573 mg/L	15:52:43
2	Pb 220.353 At	8162.5	8159.5	1.98316 mg/L	1.98316 mg/L	15:52:43
2	Sb 206.836 At	3869.1	3899.2	2.03825 mg/L	2.03825 mg/L	15:52:43
2	Sc 361.383 At	-91.5	-84.0	-0.000066 mg/L	-0.000066 mg/L	15:52:43
2	Se 196.026 At	1145.5	1181.8	2.02383 mg/L	2.02383 mg/L	15:52:43
2	Sn 189.927 At	-49.4	-12.1	-0.004357 mg/L	-0.004357 mg/L	15:52:43
2	Ti 336.121 At	554430.1	557690.7	2.02033 mg/L	2.02033 mg/L	15:52:12
2	Tl 190.801 At	1534.3	1552.0	2.00792 mg/L	2.00792 mg/L	15:52:43
2	V 292.402 At	184981.5	186294.0	2.01295 mg/L	2.01295 mg/L	15:52:23
2	Zn 206.200 At	22068.8	22146.8	1.98309 mg/L	1.98309 mg/L	15:52:23

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	184343.9	99.5464	%	0.11641				0.12%
Lu 261.542 A	2733515.9	99.4686	%	0.11201				0.11%
Ag 328.068 At	303494.4	1.99406	mg/L	0.005132	1.99406	mg/L	0.005132	0.26%
QC value within limits for Ag 328.068 A Recovery = 99.70%								
Al 308.215 Rt	2036.3	1.99854	mg/L	0.003853	1.99854	mg/L	0.003853	0.19%
QC value within limits for Al 308.215 R Recovery = 99.93%								
As 188.979 At	2097.9	2.01675	mg/L	0.000508	2.01675	mg/L	0.000508	0.03%
QC value within limits for As 188.979 A Recovery = 100.84%								
B 249.677 Rt	3870.0	1.99788	mg/L	0.006728	1.99788	mg/L	0.006728	0.34%
Ba 233.527 At	89016.5	2.00498	mg/L	0.011439	2.00498	mg/L	0.011439	0.57%
QC value within limits for Ba 233.527 A Recovery = 100.25%								
Be 313.107 Rt	288080.4	2.02915	mg/L	0.007176	2.02915	mg/L	0.007176	0.35%
QC value within limits for Be 313.107 R Recovery = 101.46%								
Bi 222.821 At	46.0	0.003242	mg/L	0.0010766	0.003242	mg/L	0.0010766	33.21%
Ca 315.887 Rt	75310.0	20.2078	mg/L	0.00534	20.2078	mg/L	0.00534	0.03%
QC value within limits for Ca 315.887 R Recovery = 101.04%								
Cd 226.502 At	76189.3	2.00641	mg/L	0.006423	2.00641	mg/L	0.006423	0.32%
QC value within limits for Cd 226.502 A Recovery = 100.32%								
Co 228.616 At	37970.7	1.99220	mg/L	0.009277	1.99220	mg/L	0.009277	0.47%
QC value within limits for Co 228.616 A Recovery = 99.61%								
Cr 267.716 At	87483.4	2.00626	mg/L	0.006490	2.00626	mg/L	0.006490	0.32%
QC value within limits for Cr 267.716 A Recovery = 100.31%								
Cu 324.752 At	361247.8	2.02513	mg/L	0.003778	2.02513	mg/L	0.003778	0.19%
QC value within limits for Cu 324.752 A Recovery = 101.26%								
Fe 273.955 Rt	8894.8	9.84785	mg/L	0.014618	9.84785	mg/L	0.014618	0.15%
QC value within limits for Fe 273.955 R Recovery = 98.48%								
Ga 417.206 At	999.7	0.002933	mg/L	0.0003270	0.002933	mg/L	0.0003270	11.15%
K 766.490 Rt	51935.0	20.1213	mg/L	0.01568	20.1213	mg/L	0.01568	0.08%
QC value within limits for K 766.490 R Recovery = 100.61%								
La 379.478 At	1547.6	0.006864	mg/L	0.0000715	0.006864	mg/L	0.0000715	1.04%
Li 670.784 Rt	150.6	0.001739	mg/L	0.0000229	0.001739	mg/L	0.0000229	1.32%
Mg 279.077 Rt	10826.8	20.2413	mg/L	0.03303	20.2413	mg/L	0.03303	0.16%
QC value within limits for Mg 279.077 R Recovery = 101.21%								
Mn 260.568 Rt	27221.0	2.00004	mg/L	0.000802	2.00004	mg/L	0.000802	0.04%
QC value within limits for Mn 260.568 R Recovery = 100.00%								
Mo 202.031 At	17821.6	2.04305	mg/L	0.005865	2.04305	mg/L	0.005865	0.29%
Na 589.592 Rt	157910.5	20.2849	mg/L	0.04461	20.2849	mg/L	0.04461	0.22%
QC value within limits for Na 589.592 R Recovery = 101.42%								
Ni 232.003 At	21736.0	1.99869	mg/L	0.006596	1.99869	mg/L	0.006596	0.33%
QC value within limits for Ni 232.003 A Recovery = 99.93%								
P 213.617 At	51.1	-0.006060	mg/L	0.0035539	-0.006060	mg/L	0.0035539	58.64%
Pb 220.353 At	8152.4	1.98143	mg/L	0.002445	1.98143	mg/L	0.002445	0.12%
QC value within limits for Pb 220.353 A Recovery = 99.07%								
Sb 206.836 At	3896.6	2.03688	mg/L	0.001930	2.03688	mg/L	0.001930	0.09%
QC value within limits for Sb 206.836 A Recovery = 101.84%								
Sc 361.383 At	-86.6	-0.000068	mg/L	0.0000029	-0.000068	mg/L	0.0000029	4.20%
Se 196.026 At	1176.5	2.01473	mg/L	0.012865	2.01473	mg/L	0.012865	0.64%
QC value within limits for Se 196.026 A Recovery = 100.74%								
Si 251.611 Rt	1525.5	1.02264	mg/L	0.005413	1.02264	mg/L	0.005413	0.53%
SIO2 251.611 Rt	1525.5	2.18846	mg/L	0.011584	2.18846	mg/L	0.011584	0.53%
Sn 189.927 At	-8.9	-0.003206	mg/L	0.0016282	-0.003206	mg/L	0.0016282	50.79%
Sr 421.552 Rt	909.9	0.001249	mg/L	0.0000104	0.001249	mg/L	0.0000104	0.83%
Ti 336.121 At	558382.6	2.02284	mg/L	0.003545	2.02284	mg/L	0.003545	0.18%

Tl 190.801 At	1548.4	2.00330	mg/L	0.006530	2.00330	mg/L	0.006530	0.33%
QC value within limits for Tl 190.801 A Recovery = 100.17%								
V 292.402 At	186693.1	2.01726	mg/L	0.006102	2.01726	mg/L	0.006102	0.30%
QC value within limits for V 292.402 A Recovery = 100.86%								
Zn 206.200 At	22213.0	1.98904	mg/L	0.008420	1.98904	mg/L	0.008420	0.42%
QC value within limits for Zn 206.200 A Recovery = 99.45%								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 3:54:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	188170.1	188170.1	101.613	%			15:56:14
1	Al 308.215 Rt	53.8	-0.7	-0.000718	mg/L	-0.000718	mg/L	15:56:34
1	B 249.677 Rt	11.3	5.9	0.003031	mg/L	0.003031	mg/L	15:56:34
1	Be 313.107 Rt	101.5	8.9	0.000063	mg/L	0.000063	mg/L	15:56:34
1	Ca 315.887 Rt	-74.2	5.4	0.001449	mg/L	0.001449	mg/L	15:56:34
1	Fe 273.955 Rt	11.7	-5.8	-0.006397	mg/L	-0.006397	mg/L	15:56:34
1	K 766.490 Rt	323.0	-8.2	-0.003194	mg/L	-0.003194	mg/L	15:56:14
1	Li 670.784 Rt	64.8	-32.0	-0.000370	mg/L	-0.000370	mg/L	15:56:14
1	Mg 279.077 Rt	-1.5	2.5	0.004712	mg/L	0.004712	mg/L	15:56:34
1	Mn 260.568 Rt	1.9	-0.0	-0.000002	mg/L	-0.000002	mg/L	15:56:34
1	Na 589.592 Rt	69.8	0.9	0.000121	mg/L	0.000121	mg/L	15:56:14
1	Si 251.611 Rt	45.5	-37.9	-0.026844	mg/L	-0.026844	mg/L	15:56:34
1	SIO2 251.611 Rt	45.5	-37.9	-0.057446	mg/L	-0.057446	mg/L	15:56:34
1	Sr 421.552 Rt	163.3	-2.7	-0.000004	mg/L	-0.000004	mg/L	15:56:14
1	Lu 261.542 A	2761335.6	2761335.6	100.481	%			15:57:18
1	Ag 328.068 At	-348.3	20.7	0.000129	mg/L	0.000129	mg/L	15:57:28
1	As 188.979 At	-9.6	3.1	0.002956	mg/L	0.002956	mg/L	15:57:48
1	Ba 233.527 At	-62.7	-0.1	-0.000002	mg/L	-0.000002	mg/L	15:57:48
1	Bi 222.821 At	37.5	-5.1	-0.004892	mg/L	-0.004892	mg/L	15:57:48
1	Cd 226.502 At	-62.4	-1.2	-0.000031	mg/L	-0.000031	mg/L	15:57:48
1	Co 228.616 At	-104.7	3.8	0.000200	mg/L	0.000200	mg/L	15:57:48
1	Cr 267.716 At	178.6	0.3	0.000007	mg/L	0.000007	mg/L	15:57:48
1	Cu 324.752 At	4189.7	53.6	0.000300	mg/L	0.000300	mg/L	15:57:28
1	Ga 417.206 At	-105.7	-9.8	-0.000129	mg/L	-0.000129	mg/L	15:57:28
1	La 379.478 At	-484.5	11.8	0.000052	mg/L	0.000052	mg/L	15:57:28
1	Mo 202.031 At	52.8	14.8	0.001712	mg/L	0.001712	mg/L	15:57:48
1	Ni 232.003 At	-91.4	0.4	0.000022	mg/L	0.000022	mg/L	15:57:48
1	P 213.617 At	-73.9	3.9	0.001894	mg/L	0.001894	mg/L	15:57:48
1	Pb 220.353 At	38.9	-1.4	-0.000349	mg/L	-0.000349	mg/L	15:57:48
1	Sb 206.836 At	-9.0	3.5	0.001863	mg/L	0.001863	mg/L	15:57:48
1	Sc 361.383 At	-1.7	6.2	0.000005	mg/L	0.000005	mg/L	15:57:28
1	Se 196.026 At	-31.2	0.1	0.000160	mg/L	0.000160	mg/L	15:57:48
1	Sn 189.927 At	-39.0	-1.3	-0.000459	mg/L	-0.000459	mg/L	15:57:48
1	Ti 336.121 At	-701.4	44.2	0.000160	mg/L	0.000160	mg/L	15:57:28
1	Tl 190.801 At	-9.7	1.1	0.001381	mg/L	0.001381	mg/L	15:57:48
1	V 292.402 At	-452.9	21.5	0.000242	mg/L	0.000242	mg/L	15:57:28
1	Zn 206.200 At	18.7	-3.6	-0.000330	mg/L	-0.000330	mg/L	15:57:48
2	Lu 261.542 R	186663.3	186663.3	100.799	%			15:56:44
2	Al 308.215 Rt	54.0	-0.1	-0.000105	mg/L	-0.000105	mg/L	15:57:04
2	B 249.677 Rt	9.0	3.8	0.001937	mg/L	0.001937	mg/L	15:57:04
2	Be 313.107 Rt	101.2	9.5	0.000067	mg/L	0.000067	mg/L	15:57:04
2	Ca 315.887 Rt	-75.2	3.9	0.001036	mg/L	0.001036	mg/L	15:57:04
2	Fe 273.955 Rt	13.2	-4.2	-0.004619	mg/L	-0.004619	mg/L	15:57:04
2	K 766.490 Rt	325.3	-3.4	-0.001315	mg/L	-0.001315	mg/L	15:56:44
2	Li 670.784 Rt	129.6	32.8	0.000378	mg/L	0.000378	mg/L	15:56:44
2	Mg 279.077 Rt	-0.2	3.7	0.006998	mg/L	0.006998	mg/L	15:57:04
2	Mn 260.568 Rt	3.1	1.2	0.000089	mg/L	0.000089	mg/L	15:57:04
2	Na 589.592 Rt	59.6	-8.6	-0.001108	mg/L	-0.001108	mg/L	15:56:44
2	Si 251.611 Rt	52.2	-30.9	-0.021865	mg/L	-0.021865	mg/L	15:57:04
2	SIO2 251.611 Rt	52.2	-30.9	-0.046791	mg/L	-0.046791	mg/L	15:57:04
2	Sr 421.552 Rt	184.4	19.6	0.000027	mg/L	0.000027	mg/L	15:56:44
2	Lu 261.542 A	2778878.2	2778878.2	101.119	%			15:57:59
2	Ag 328.068 At	-324.3	46.6	0.000298	mg/L	0.000298	mg/L	15:58:10
2	As 188.979 At	-8.7	4.0	0.003871	mg/L	0.003871	mg/L	15:58:30
2	Ba 233.527 At	-63.5	-0.4	-0.000009	mg/L	-0.000009	mg/L	15:58:30
2	Bi 222.821 At	44.0	1.0	0.000977	mg/L	0.000977	mg/L	15:58:30
2	Cd 226.502 At	-57.9	3.6	0.000096	mg/L	0.000096	mg/L	15:58:30
2	Co 228.616 At	-107.2	2.0	0.000107	mg/L	0.000107	mg/L	15:58:30
2	Cr 267.716 At	180.9	1.4	0.000033	mg/L	0.000033	mg/L	15:58:30
2	Cu 324.752 At	4220.1	57.3	0.000321	mg/L	0.000321	mg/L	15:58:10

Method: ILMO5 OPT5 Page 25 Date: 5/20/2009 3:58:32 PM

2	Ga 417.206 At	-92.0	4.3	0.000057 mg/L	0.000057 mg/L	15:58:10
2	La 379.478 At	-497.1	2.3	0.000010 mg/L	0.000010 mg/L	15:58:10
2	Mo 202.031 At	45.5	7.2	0.000844 mg/L	0.000844 mg/L	15:58:30
2	Ni 232.003 At	-95.8	-3.4	-0.000330 mg/L	-0.000330 mg/L	15:58:30
2	P 213.617 At	-77.6	0.7	0.000318 mg/L	0.000318 mg/L	15:58:30
2	Pb 220.353 At	46.4	5.7	0.001393 mg/L	0.001393 mg/L	15:58:30
2	Sb 206.836 At	-7.3	5.3	0.002783 mg/L	0.002783 mg/L	15:58:30
2	Sc 361.383 At	-0.8	7.1	0.000006 mg/L	0.000006 mg/L	15:58:10
2	Se 196.026 At	-31.2	0.3	0.000434 mg/L	0.000434 mg/L	15:58:30
2	Sn 189.927 At	-39.5	-1.5	-0.000528 mg/L	-0.000528 mg/L	15:58:30
2	Ti 336.121 At	-707.0	43.0	0.000156 mg/L	0.000156 mg/L	15:58:10
2	Tl 190.801 At	-9.1	1.8	0.002299 mg/L	0.002299 mg/L	15:58:30
2	V 292.402 At	-470.9	6.5	0.000076 mg/L	0.000076 mg/L	15:58:10
2	Zn 206.200 At	16.1	-6.3	-0.000574 mg/L	-0.000574 mg/L	15:58:30

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	187416.7	101.206	%	0.5754				0.57%
Lu 261.542 A	2770106.9	100.800	%	0.4514				0.45%
Ag 328.068 At	33.6	0.000214	mg/L	0.0001191	0.000214	mg/L	0.0001191	55.76%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-0.4	-0.000412	mg/L	0.0004339	-0.000412	mg/L	0.0004339	105.41%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	3.5	0.003413	mg/L	0.0006469	0.003413	mg/L	0.0006469	18.95%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	4.8	0.002484	mg/L	0.0007736	0.002484	mg/L	0.0007736	31.14%
Ba 233.527 At	-0.2	-0.000006	mg/L	0.0000056	-0.000006	mg/L	0.0000056	100.02%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	9.2	0.000065	mg/L	0.0000026	0.000065	mg/L	0.0000026	4.05%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	-2.1	-0.001957	mg/L	0.0041503	-0.001957	mg/L	0.0041503	212.04%
Ca 315.887 Rt	4.6	0.001243	mg/L	0.0002917	0.001243	mg/L	0.0002917	23.47%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	1.2	0.000033	mg/L	0.0000897	0.000033	mg/L	0.0000897	275.29%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	2.9	0.000154	mg/L	0.0000655	0.000154	mg/L	0.0000655	42.61%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	0.9	0.000020	mg/L	0.0000189	0.000020	mg/L	0.0000189	95.05%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	55.4	0.000310	mg/L	0.0000149	0.000310	mg/L	0.0000149	4.79%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-5.0	-0.005508	mg/L	0.0012568	-0.005508	mg/L	0.0012568	22.82%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-2.8	-0.000036	mg/L	0.0001313	-0.000036	mg/L	0.0001313	367.60%
K 766.490 Rt	-5.8	-0.002255	mg/L	0.0013285	-0.002255	mg/L	0.0013285	58.92%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	7.0	0.000031	mg/L	0.0000298	0.000031	mg/L	0.0000298	95.49%
Li 670.784 Rt	0.4	0.000004	mg/L	0.0005292	0.000004	mg/L	0.0005292	>999.9%
Mg 279.077 Rt	3.1	0.005855	mg/L	0.0016164	0.005855	mg/L	0.0016164	27.61%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	0.6	0.000044	mg/L	0.0000641	0.000044	mg/L	0.0000641	146.76%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	11.0	0.001278	mg/L	0.0006143	0.001278	mg/L	0.0006143	48.07%
Na 589.592 Rt	-3.8	-0.000493	mg/L	0.0008692	-0.000493	mg/L	0.0008692	176.15%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	-1.5	-0.000154	mg/L	0.0002488	-0.000154	mg/L	0.0002488	161.36%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	2.3	0.001106	mg/L	0.0011143	0.001106	mg/L	0.0011143	100.72%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	2.2	0.000522	mg/L	0.0012318	0.000522	mg/L	0.0012318	236.18%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	4.4	0.002323	mg/L	0.0006500	0.002323	mg/L	0.0006500	27.98%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	6.7	0.000005	mg/L	0.0000005	0.000005	mg/L	0.0000005	10.02%
Se 196.026 At	0.2	0.000297	mg/L	0.0001939	0.000297	mg/L	0.0001939	65.35%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-34.4	-0.024355	mg/L	0.0035207	-0.024355	mg/L	0.0035207	14.46%
SIO2 251.611 Rt	-34.4	-0.052119	mg/L	0.0075343	-0.052119	mg/L	0.0075343	14.46%
Sn 189.927 At	-1.4	-0.000493	mg/L	0.0000488	-0.000493	mg/L	0.0000488	9.89%
Sr 421.552 Rt	8.5	0.000012	mg/L	0.0000217	0.000012	mg/L	0.0000217	186.13%

Ti 336.121 At	43.6	0.000158	mg/L	0.0000030	0.000158	mg/L	0.0000030	1.89%
Tl 190.801 At	1.4	0.001840	mg/L	0.0006492	0.001840	mg/L	0.0006492	35.29%
QC value within limits for Tl 190.801 A Recovery = Not calculated								
V 292.402 At	14.0	0.000159	mg/L	0.0001176	0.000159	mg/L	0.0001176	73.83%
QC value within limits for V 292.402 A Recovery = Not calculated								
Zn 206.200 At	-5.0	-0.000452	mg/L	0.0001725	-0.000452	mg/L	0.0001725	38.18%
QC value within limits for Zn 206.200 A Recovery = Not calculated								

All analyte(s) passed QC.

Method: ILMO5 OPT5 Page 1 Date: 5/20/2009 4:04:25 PM

Analysis Begun

Start Time: 5/20/2009 4:00:29 PM
Logged In Analyst: Optima5
Spectrometer Model: Optima 5300 DV, S/N 077N5011902
Plasma On Time: 5/20/2009 6:20:45 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\Administrator\Sample Information\START.sif
Batch ID: W920086
Results Data Set: 09140B
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: ILMO5 OPT5
IEC File: ILMO5.iec
Method Description:
Method Last Saved: 4/14/2009 2:25:07 PM
MSF File:

Sequence No.: 1
Sample ID: ME2QR4
Analyst: DT/FEH
Initial Sample Wt:
Dilution:
Autosampler Location: 51
Date Collected: 5/20/2009 4:00:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	170648.1	170648.1	92.1506	%			16:02:21
1	Al 308.215 Rt	35624.0	38604.8	38.9810	mg/L	38.9810	mg/L	16:02:31
1	B 249.677 Rt	52.2	51.4	0.035282	mg/L	0.035282	mg/L	16:02:31
1	Be 313.107 Rt	765.6	739.9	0.005668	mg/L	0.005668	mg/L	16:02:31
1	Ca 315.887 Rt	150144.1	163011.8	43.7408	mg/L	43.7408	mg/L	16:02:21
1	Fe 273.955 Rt	788562.4	855715.0	948.229	mg/L	948.229	mg/L	16:02:21
1	K 766.490 Rt	78603.1	84972.4	32.9211	mg/L	32.9211	mg/L	16:02:21
1	Li 670.784 Rt	2323.3	2425.4	0.028011	mg/L	0.028011	mg/L	16:02:31
1	Mg 279.077 Rt	8615.2	9353.0	17.4860	mg/L	17.4860	mg/L	16:02:31
1	Mn 260.568 Rt	103729.3	112563.1	8.22030	mg/L	8.22030	mg/L	16:02:21
1	Na 589.592 Rt	246822.9	267779.6	34.3985	mg/L	34.3985	mg/L	16:02:21
1	Si 251.611 Rt	15839.5	17106.0	12.0743	mg/L	12.0743	mg/L	16:02:31
1	SIO2 251.611 Rt	15839.5	17106.0	25.8390	mg/L	25.8390	mg/L	16:02:31
1	Sr 421.552 Rt	90137.1	97651.6	0.134046	mg/L	0.134046	mg/L	16:02:21
1	Lu 261.542 A	2519004.9	2519004.9	91.6629	%			16:03:08
1	Ag 328.068 At	-1602.5	-1380.9	0.029734	mg/L	0.029734	mg/L	16:03:19
1	As 188.979 At	161.9	189.3	0.170761	mg/L	0.170761	mg/L	16:03:39
1	Ba 233.527 At	19830.2	21696.2	0.488679	mg/L	0.488679	mg/L	16:03:19
1	Bi 222.821 At	506.1	509.7	-0.344885	mg/L	-0.344885	mg/L	16:03:19
1	Cd 226.502 At	7702.9	8464.5	-0.026971	mg/L	-0.026971	mg/L	16:03:19
1	Co 228.616 At	1057.4	1261.6	0.063796	mg/L	0.063796	mg/L	16:03:39
1	Cr 267.716 At	242207.2	264059.5	6.05603	mg/L	6.05603	mg/L	16:03:19
1	Cu 324.752 At	209538.2	224480.5	1.25724	mg/L	1.25724	mg/L	16:03:19
1	Ga 417.206 At	17803.6	19518.2	0.035886	mg/L	0.035886	mg/L	16:03:19
1	La 379.478 At	49284.9	54261.5	0.240667	mg/L	0.240667	mg/L	16:03:08
1	Mo 202.031 At	835.1	873.3	0.107832	mg/L	0.107832	mg/L	16:03:19
1	Ni 232.003 At	26.8	120.6	0.761011	mg/L	0.761011	mg/L	16:03:19
1	P 213.617 At	16206.8	17758.3	8.92406	mg/L	8.92406	mg/L	16:03:19
1	Pb 220.353 At	16648.5	18122.6	4.34360	mg/L	4.34360	mg/L	16:03:19
1	Sb 206.836 At	187.4	217.0	0.030569	mg/L	0.030569	mg/L	16:03:39
1	Sc 361.383 At	7988.7	8723.2	0.006841	mg/L	0.006841	mg/L	16:03:19
1	Se 196.026 At	-88.5	-65.5	0.000011	mg/L	0.000011	mg/L	16:03:39
1	Sn 189.927 At	12269.8	13423.4	4.85024	mg/L	4.85024	mg/L	16:03:39
1	Ti 336.121 At	274176.8	299856.5	1.08585	mg/L	1.08585	mg/L	16:03:19
1	Tl 190.801 At	-51.4	-45.3	0.017217	mg/L	0.017217	mg/L	16:03:39
1	V 292.402 At	18299.0	20435.6	0.167582	mg/L	0.167582	mg/L	16:03:19
1	Zn 206.200 At	118162.0	128887.2	11.5853	mg/L	11.5853	mg/L	16:03:19
2	Lu 261.542 R	170927.0	170927.0	92.3012	%			16:02:43
2	Al 308.215 Rt	36140.0	39100.8	39.4818	mg/L	39.4818	mg/L	16:02:53
2	B 249.677 Rt	48.2	47.1	0.033093	mg/L	0.033093	mg/L	16:02:53
2	Be 313.107 Rt	759.1	731.5	0.005612	mg/L	0.005612	mg/L	16:02:53
2	Ca 315.887 Rt	150330.6	162948.0	43.7237	mg/L	43.7237	mg/L	16:02:43

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2	Fe 273.955 Rt	791556.3	857562.2	950.276 mg/L	950.276 mg/L	16:02:43
2	K 766.490 Rt	78729.7	84970.4	32.9203 mg/L	32.9203 mg/L	16:02:43
2	Li 670.784 Rt	2366.5	2468.1	0.028504 mg/L	0.028504 mg/L	16:02:53
2	Mg 279.077 Rt	8675.1	9402.7	17.5789 mg/L	17.5789 mg/L	16:02:53
2	Mn 260.568 Rt	104099.3	112780.3	8.23614 mg/L	8.23614 mg/L	16:02:43
2	Na 589.592 Rt	246649.0	267154.2	34.3181 mg/L	34.3181 mg/L	16:02:43
2	Si 251.611 Rt	16053.8	17310.1	12.2185 mg/L	12.2185 mg/L	16:02:53
2	SIO2 251.611 Rt	16053.8	17310.1	26.1476 mg/L	26.1476 mg/L	16:02:53
2	Sr 421.552 Rt	90273.5	97639.8	0.134030 mg/L	0.134030 mg/L	16:02:43
2	Lu 261.542 A	2513468.1	2513468.1	91.4614 %		16:03:53
2	Ag 328.068 At	-1646.1	-1432.5	0.029473 mg/L	0.029473 mg/L	16:04:04
2	As 188.979 At	164.7	192.7	0.173982 mg/L	0.173982 mg/L	16:04:24
2	Ba 233.527 At	19832.1	21745.9	0.489800 mg/L	0.489800 mg/L	16:04:04
2	Bi 222.821 At	509.1	514.2	-0.343076 mg/L	-0.343076 mg/L	16:04:04
2	Cd 226.502 At	7724.4	8506.5	-0.026405 mg/L	-0.026405 mg/L	16:04:04
2	Co 228.616 At	1045.1	1250.7	0.063210 mg/L	0.063210 mg/L	16:04:24
2	Cr 267.716 At	243174.2	265698.8	6.09363 mg/L	6.09363 mg/L	16:04:04
2	Cu 324.752 At	208950.4	224341.5	1.25646 mg/L	1.25646 mg/L	16:04:04
2	Ga 417.206 At	17792.6	19549.0	0.035804 mg/L	0.035804 mg/L	16:04:04
2	La 379.478 At	48994.9	54062.9	0.239786 mg/L	0.239786 mg/L	16:03:53
2	Mo 202.031 At	844.1	885.2	0.109145 mg/L	0.109145 mg/L	16:04:04
2	Ni 232.003 At	-66.1	19.0	0.752256 mg/L	0.752256 mg/L	16:04:04
2	P 213.617 At	16208.8	17799.5	8.94481 mg/L	8.94481 mg/L	16:04:04
2	Pb 220.353 At	16685.5	18203.1	4.36307 mg/L	4.36307 mg/L	16:04:04
2	Sb 206.836 At	193.3	223.8	0.033755 mg/L	0.033755 mg/L	16:04:24
2	Sc 361.383 At	7953.6	8704.1	0.006826 mg/L	0.006826 mg/L	16:04:04
2	Se 196.026 At	-93.2	-70.8	-0.008807 mg/L	-0.008807 mg/L	16:04:24
2	Sn 189.927 At	12326.6	13514.9	4.88333 mg/L	4.88333 mg/L	16:04:24
2	Ti 336.121 At	274847.9	301249.2	1.09089 mg/L	1.09089 mg/L	16:04:04
2	Tl 190.801 At	-53.1	-47.3	0.014850 mg/L	0.014850 mg/L	16:04:24
2	V 292.402 At	18369.2	20556.3	0.168817 mg/L	0.168817 mg/L	16:04:04
2	Zn 206.200 At	118015.8	129011.2	11.5964 mg/L	11.5964 mg/L	16:04:04

Mean Data: ME2QR4

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	170787.6	92.2259	%	0.10650				0.12%
Lu 261.542 A	2516236.5	91.5621	%	0.14247				0.16%
Ag 328.068 At	-1406.7	0.029604	mg/L	0.0001850	0.029604	mg/L	0.0001850	0.62%
Al 308.215 Rt	38852.8	39.2314	mg/L	0.35414	39.2314	mg/L	0.35414	0.90%
As 188.979 At	191.0	0.172371	mg/L	0.0022775	0.172371	mg/L	0.0022775	1.32%
B 249.677 Rt	49.2	0.034188	mg/L	0.0015477	0.034188	mg/L	0.0015477	4.53%
Ba 233.527 At	21721.1	0.489240	mg/L	0.0007924	0.489240	mg/L	0.0007924	0.16%
Be 313.107 Rt	735.7	0.005640	mg/L	0.0000397	0.005640	mg/L	0.0000397	0.70%
Bi 222.821 At	511.9	-0.343981	mg/L	0.0012791	-0.343981	mg/L	0.0012791	0.37%
Ca 315.887 Rt	162979.9	43.7322	mg/L	0.01210	43.7322	mg/L	0.01210	0.03%
Cd 226.502 At	8485.5	-0.026688	mg/L	0.0003999	-0.026688	mg/L	0.0003999	1.50%
Co 228.616 At	1256.1	0.063503	mg/L	0.0004143	0.063503	mg/L	0.0004143	0.65%
Cr 267.716 At	264879.2	6.07483	mg/L	0.026588	6.07483	mg/L	0.026588	0.44%
Cu 324.752 At	224411.0	1.25685	mg/L	0.000554	1.25685	mg/L	0.000554	0.04%
Fe 273.955 Rt	856638.6	949.252	mg/L	1.4473	949.252	mg/L	1.4473	0.15%
Ga 417.206 At	19533.6	0.035845	mg/L	0.0000579	0.035845	mg/L	0.0000579	0.16%
K 766.490 Rt	84971.4	32.9207	mg/L	0.00055	32.9207	mg/L	0.00055	0.00%
La 379.478 At	54162.2	0.240227	mg/L	0.0006228	0.240227	mg/L	0.0006228	0.26%
Li 670.784 Rt	2446.7	0.028257	mg/L	0.0003488	0.028257	mg/L	0.0003488	1.23%
Mg 279.077 Rt	9377.9	17.5324	mg/L	0.06567	17.5324	mg/L	0.06567	0.37%
Mn 260.568 Rt	112671.7	8.22822	mg/L	0.011205	8.22822	mg/L	0.011205	0.14%
Mo 202.031 At	879.2	0.108489	mg/L	0.0009281	0.108489	mg/L	0.0009281	0.86%
Na 589.592 Rt	267466.9	34.3583	mg/L	0.05681	34.3583	mg/L	0.05681	0.17%
Ni 232.003 At	69.8	0.756633	mg/L	0.0061905	0.756633	mg/L	0.0061905	0.82%
P 213.617 At	17778.9	8.93444	mg/L	0.014676	8.93444	mg/L	0.014676	0.16%
Pb 220.353 At	18162.8	4.35333	mg/L	0.013766	4.35333	mg/L	0.013766	0.32%
Sb 206.836 At	220.4	0.032162	mg/L	0.0022525	0.032162	mg/L	0.0022525	7.00%
Sc 361.383 At	8713.7	0.006834	mg/L	0.0000106	0.006834	mg/L	0.0000106	0.16%
Se 196.026 At	-68.1	-0.004398	mg/L	0.0062354	-0.004398	mg/L	0.0062354	141.78%
Si 251.611 Rt	17208.0	12.1464	mg/L	0.10196	12.1464	mg/L	0.10196	0.84%
SIO2 251.611 Rt	17208.0	25.9933	mg/L	0.21820	25.9933	mg/L	0.21820	0.84%
Sn 189.927 At	13469.2	4.86679	mg/L	0.023396	4.86679	mg/L	0.023396	0.48%
Sr 421.552 Rt	97645.7	0.134038	mg/L	0.0000115	0.134038	mg/L	0.0000115	0.01%
Ti 336.121 At	300552.9	1.08837	mg/L	0.003567	1.08837	mg/L	0.003567	0.33%
Tl 190.801 At	-46.3	0.016033	mg/L	0.0016733	0.016033	mg/L	0.0016733	10.44%

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V 292.402 At	20495.9	0.168199 mg/L	0.0008734	0.168199 mg/L	0.0008734	0.52%
Zn 206.200 At	128949.2	11.5908 mg/L	0.00789	11.5908 mg/L	0.00789	0.07%

Sequence No.: 2
Sample ID: ME2QR5
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 5/20/2009 4:06:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR5

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	168419.3	168419.3	90.9470	%			16:08:00
1	Al 308.215 Rt	73108.0	80331.6	81.1219	mg/L	81.1219	mg/L	16:08:00
1	B 249.677 Rt	152.3	162.2	0.083956	mg/L	0.083956	mg/L	16:08:21
1	Be 313.107 Rt	718.4	699.0	0.004800	mg/L	0.004800	mg/L	16:08:21
1	Ca 315.887 Rt	914489.7	1005597.7	269.831	mg/L	269.831	mg/L	16:08:00
1	Fe 273.955 Rt	122078.2	134212.7	148.703	mg/L	148.703	mg/L	16:08:00
1	K 766.490 Rt	32088.4	34956.4	13.5432	mg/L	13.5432	mg/L	16:08:00
1	Li 670.784 Rt	10392.4	11331.1	0.130864	mg/L	0.130864	mg/L	16:08:21
1	Mg 279.077 Rt	67881.5	74642.5	139.549	mg/L	139.549	mg/L	16:08:00
1	Mn 260.568 Rt	57014.8	62688.3	4.59774	mg/L	4.59774	mg/L	16:08:00
1	Na 589.592 Rt	6497.1	7076.2	0.908992	mg/L	0.908992	mg/L	16:08:21
1	Si 251.611 Rt	20790.4	22777.2	16.0769	mg/L	16.0769	mg/L	16:08:21
1	SIO2 251.611 Rt	20790.4	22777.2	34.4045	mg/L	34.4045	mg/L	16:08:21
1	Sr 421.552 Rt	225500.4	247783.6	0.340132	mg/L	0.340132	mg/L	16:08:00
1	Lu 261.542 A	2438422.8	2438422.8	88.7306	%			16:09:06
1	Ag 328.068 At	-1016.4	-778.2	0.000331	mg/L	0.000331	mg/L	16:09:17
1	As 188.979 At	23.5	39.1	0.039945	mg/L	0.039945	mg/L	16:09:37
1	Ba 233.527 At	31808.1	35910.3	0.808834	mg/L	0.808834	mg/L	16:09:17
1	Bi 222.821 At	92.2	61.4	-0.048065	mg/L	-0.048065	mg/L	16:09:37
1	Cd 226.502 At	938.9	1119.1	-0.009429	mg/L	-0.009429	mg/L	16:09:17
1	Co 228.616 At	1028.7	1267.4	0.062834	mg/L	0.062834	mg/L	16:09:37
1	Cr 267.716 At	8436.3	9330.2	0.212819	mg/L	0.212819	mg/L	16:09:17
1	Cu 324.752 At	83864.0	90399.2	0.506859	mg/L	0.506859	mg/L	16:09:17
1	Ga 417.206 At	4758.7	5458.4	0.031410	mg/L	0.031410	mg/L	16:09:17
1	La 379.478 At	32230.6	36818.0	0.163300	mg/L	0.163300	mg/L	16:09:17
1	Mo 202.031 At	244.7	238.1	0.016979	mg/L	0.016979	mg/L	16:09:37
1	Ni 232.003 At	752.0	938.9	0.236143	mg/L	0.236143	mg/L	16:09:17
1	P 213.617 At	3889.0	4460.3	2.21393	mg/L	2.21393	mg/L	16:09:37
1	Pb 220.353 At	1071.7	1167.7	0.278011	mg/L	0.278011	mg/L	16:09:37
1	Sb 206.836 At	15.1	29.5	0.008397	mg/L	0.008397	mg/L	16:09:37
1	Sc 361.383 At	23662.1	26675.3	0.020921	mg/L	0.020921	mg/L	16:09:17
1	Se 196.026 At	-27.7	-0.1	-0.000631	mg/L	-0.000631	mg/L	16:09:37
1	Sn 189.927 At	65.2	111.1	0.040132	mg/L	0.040132	mg/L	16:09:37
1	Ti 336.121 At	397514.8	448744.1	1.62087	mg/L	1.62087	mg/L	16:09:06
1	Tl 190.801 At	-22.2	-14.3	0.002513	mg/L	0.002513	mg/L	16:09:37
1	V 292.402 At	15330.2	17749.4	0.179993	mg/L	0.179993	mg/L	16:09:17
1	Zn 206.200 At	8602.6	9673.0	0.868817	mg/L	0.868817	mg/L	16:09:17
2	Lu 261.542 R	169287.6	169287.6	91.4159	%			16:08:33
2	Al 308.215 Rt	73280.9	80108.4	80.8965	mg/L	80.8965	mg/L	16:08:33
2	B 249.677 Rt	152.8	161.9	0.083821	mg/L	0.083821	mg/L	16:08:53
2	Be 313.107 Rt	718.4	694.9	0.004771	mg/L	0.004771	mg/L	16:08:53
2	Ca 315.887 Rt	922134.7	1008803.2	270.691	mg/L	270.691	mg/L	16:08:33
2	Fe 273.955 Rt	122722.5	134229.0	148.722	mg/L	148.722	mg/L	16:08:33
2	K 766.490 Rt	32175.7	34871.0	13.5102	mg/L	13.5102	mg/L	16:08:33
2	Li 670.784 Rt	10388.0	11267.7	0.130131	mg/L	0.130131	mg/L	16:08:53
2	Mg 279.077 Rt	68495.1	74930.9	140.088	mg/L	140.088	mg/L	16:08:33
2	Mn 260.568 Rt	57286.2	62663.6	4.59591	mg/L	4.59591	mg/L	16:08:33
2	Na 589.592 Rt	6513.9	7057.8	0.906635	mg/L	0.906635	mg/L	16:08:53
2	Si 251.611 Rt	20845.7	22720.4	16.0367	mg/L	16.0367	mg/L	16:08:53
2	SIO2 251.611 Rt	20845.7	22720.4	34.3186	mg/L	34.3186	mg/L	16:08:53
2	Sr 421.552 Rt	226612.2	247728.1	0.340055	mg/L	0.340055	mg/L	16:08:33
2	Lu 261.542 A	2432932.1	2432932.1	88.5308	%			16:09:49
2	Ag 328.068 At	-1018.1	-782.7	0.000299	mg/L	0.000299	mg/L	16:09:59
2	As 188.979 At	24.5	40.4	0.041132	mg/L	0.041132	mg/L	16:10:20
2	Ba 233.527 At	31963.0	36166.2	0.814597	mg/L	0.814597	mg/L	16:09:59
2	Bi 222.821 At	85.1	53.7	-0.055462	mg/L	-0.055462	mg/L	16:10:20
2	Cd 226.502 At	955.8	1140.6	-0.008873	mg/L	-0.008873	mg/L	16:09:59
2	Co 228.616 At	1037.1	1279.5	0.063468	mg/L	0.063468	mg/L	16:10:20
2	Cr 267.716 At	8486.3	9408.2	0.214605	mg/L	0.214605	mg/L	16:09:59
2	Cu 324.752 At	84349.2	91160.6	0.511127	mg/L	0.511127	mg/L	16:09:59

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2	Ga 417.206 At	4793.9	5510.3	0.032087 mg/L	0.032087 mg/L	16:09:59
2	La 379.478 At	32228.5	36897.6	0.163653 mg/L	0.163653 mg/L	16:09:59
2	Mo 202.031 At	250.1	244.7	0.017757 mg/L	0.017757 mg/L	16:10:20
2	Ni 232.003 At	736.6	923.4	0.234634 mg/L	0.234634 mg/L	16:09:59
2	P 213.617 At	3913.2	4497.6	2.23185 mg/L	2.23185 mg/L	16:10:20
2	Pb 220.353 At	1087.6	1188.4	0.283018 mg/L	0.283018 mg/L	16:10:20
2	Sb 206.836 At	13.1	27.3	0.007227 mg/L	0.007227 mg/L	16:10:20
2	Sc 361.383 At	23822.9	26917.1	0.021110 mg/L	0.021110 mg/L	16:09:59
2	Se 196.026 At	-29.5	-2.2	-0.004396 mg/L	-0.004396 mg/L	16:10:20
2	Sn 189.927 At	74.7	122.0	0.044071 mg/L	0.044071 mg/L	16:10:20
2	Ti 336.121 At	396648.8	448777.0	1.62097 mg/L	1.62097 mg/L	16:09:49
2	Tl 190.801 At	-21.3	-13.3	0.003839 mg/L	0.003839 mg/L	16:10:20
2	V 292.402 At	15375.9	17840.1	0.180973 mg/L	0.180973 mg/L	16:09:59
2	Zn 206.200 At	8645.5	9743.3	0.875136 mg/L	0.875136 mg/L	16:09:59

Mean Data: ME2QR5

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	168853.4	91.1814	%	0.33155				0.36%
Lu 261.542 A	2435677.4	88.6307	%	0.14128				0.16%
Ag 328.068 At	-780.5	0.000315	mg/L	0.0000228	0.000315	mg/L	0.0000228	7.26%
Al 308.215 Rt	80220.0	81.0092	mg/L	0.15940	81.0092	mg/L	0.15940	0.20%
As 188.979 At	39.8	0.040539	mg/L	0.0008396	0.040539	mg/L	0.0008396	2.07%
B 249.677 Rt	162.1	0.083888	mg/L	0.0000954	0.083888	mg/L	0.0000954	0.11%
Ba 233.527 At	36038.2	0.811716	mg/L	0.0040750	0.811716	mg/L	0.0040750	0.50%
Be 313.107 Rt	696.9	0.004786	mg/L	0.0000204	0.004786	mg/L	0.0000204	0.43%
Bi 222.821 At	57.5	-0.051764	mg/L	0.0052306	-0.051764	mg/L	0.0052306	10.10%
Ca 315.887 Rt	1007200.4	270.261	mg/L	0.6082	270.261	mg/L	0.6082	0.23%
Cd 226.502 At	1129.8	-0.009151	mg/L	0.0003930	-0.009151	mg/L	0.0003930	4.29%
Co 228.616 At	1273.5	0.063151	mg/L	0.0004485	0.063151	mg/L	0.0004485	0.71%
Cr 267.716 At	9369.2	0.213712	mg/L	0.0012628	0.213712	mg/L	0.0012628	0.59%
Cu 324.752 At	90779.9	0.508993	mg/L	0.0030181	0.508993	mg/L	0.0030181	0.59%
Fe 273.955 Rt	134220.9	148.713	mg/L	0.0128	148.713	mg/L	0.0128	0.01%
Ga 417.206 At	5484.3	0.031749	mg/L	0.0004788	0.031749	mg/L	0.0004788	1.51%
K 766.490 Rt	34913.7	13.5267	mg/L	0.02340	13.5267	mg/L	0.02340	0.17%
La 379.478 At	36857.8	0.163476	mg/L	0.0002497	0.163476	mg/L	0.0002497	0.15%
Li 670.784 Rt	11299.4	0.130497	mg/L	0.0005181	0.130497	mg/L	0.0005181	0.40%
Mg 279.077 Rt	74786.7	139.818	mg/L	0.3812	139.818	mg/L	0.3812	0.27%
Mn 260.568 Rt	62675.9	4.59683	mg/L	0.001294	4.59683	mg/L	0.001294	0.03%
Mo 202.031 At	241.4	0.017368	mg/L	0.0005499	0.017368	mg/L	0.0005499	3.17%
Na 589.592 Rt	7067.0	0.907814	mg/L	0.0016663	0.907814	mg/L	0.0016663	0.18%
Ni 232.003 At	931:1	0.235389	mg/L	0.0010673	0.235389	mg/L	0.0010673	0.45%
P 213.617 At	4479.0	2.22289	mg/L	0.012671	2.22289	mg/L	0.012671	0.57%
Pb 220.353 At	1178.1	0.280515	mg/L	0.0035406	0.280515	mg/L	0.0035406	1.26%
Sb 206.836 At	28.4	0.007812	mg/L	0.0008274	0.007812	mg/L	0.0008274	10.59%
Sc 361.383 At	26796.2	0.021016	mg/L	0.0001341	0.021016	mg/L	0.0001341	0.64%
Se 196.026 At	-1.2	-0.002514	mg/L	0.0026621	-0.002514	mg/L	0.0026621	105.90%
Si 251.611 Rt	22748.8	16.0568	mg/L	0.02840	16.0568	mg/L	0.02840	0.18%
SIO2 251.611 Rt	22748.8	34.3616	mg/L	0.06077	34.3616	mg/L	0.06077	0.18%
Sn 189.927 At	116.5	0.042101	mg/L	0.0027856	0.042101	mg/L	0.0027856	6.62%
Sr 421.552 Rt	247755.9	0.340093	mg/L	0.0000539	0.340093	mg/L	0.0000539	0.02%
Ti 336.121 At	448760.5	1.62092	mg/L	0.000071	1.62092	mg/L	0.000071	0.00%
Tl 190.801 At	-13.8	0.003176	mg/L	0.0009377	0.003176	mg/L	0.0009377	29.52%
V 292.402 At	17794.8	0.180483	mg/L	0.0006927	0.180483	mg/L	0.0006927	0.38%
Zn 206.200 At	9708.2	0.871977	mg/L	0.0044681	0.871977	mg/L	0.0044681	0.51%

Sequence No.: 3
Sample ID: ME2QR6
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 5/20/2009 4:12:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR6

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	171058.3	171058.3	92.3721	%			16:13:55
1	Al 308.215 Rt	77880.0	84257.5	85.0838	mg/L	85.0838	mg/L	16:13:55
1	B 249.677 Rt	198.7	209.9	0.113570	mg/L	0.113570	mg/L	16:14:05
1	Be 313.107 Rt	980.7	970.8	0.006995	mg/L	0.006995	mg/L	16:14:05
1	Ca 315.887 Rt	619398.8	670625.8	179.948	mg/L	179.948	mg/L	16:13:55
1	Fe 273.955 Rt	478452.1	517944.3	573.932	mg/L	573.932	mg/L	16:13:55
1	K 766.490 Rt	23414.5	25021.9	9.69430	mg/L	9.69430	mg/L	16:14:05
1	Li 670.784 Rt	7760.0	8305.0	0.095915	mg/L	0.095915	mg/L	16:14:05
1	Mg 279.077 Rt	37710.8	40828.9	76.3319	mg/L	76.3319	mg/L	16:14:05
1	Mn 260.568 Rt	100087.6	108350.7	7.93209	mg/L	7.93209	mg/L	16:13:55
1	Na 589.592 Rt	15904.8	17150.4	2.20311	mg/L	2.20311	mg/L	16:14:05
1	Si 251.611 Rt	17882.6	19276.7	13.5981	mg/L	13.5981	mg/L	16:14:05
1	SIO2 251.611 Rt	17882.6	19276.7	29.0999	mg/L	29.0999	mg/L	16:14:05
1	Sr 421.552 Rt	323570.2	350126.6	0.480617	mg/L	0.480617	mg/L	16:13:55
1	Lu 261.542 A	2468984.0	2468984.0	89.8427	%			16:14:44
1	Ag 328.068 At	444.5	862.0	0.028425	mg/L	0.028425	mg/L	16:14:55
1	As 188.979 At	108.8	133.8	0.124578	mg/L	0.124578	mg/L	16:15:15
1	Ba 233.527 At	66236.7	73787.5	1.66197	mg/L	1.66197	mg/L	16:14:55
1	Bi 222.821 At	339.6	335.6	-0.165916	mg/L	-0.165916	mg/L	16:15:15
1	Cd 226.502 At	4648.7	5235.2	-0.012704	mg/L	-0.012704	mg/L	16:14:55
1	Co 228.616 At	982.2	1201.2	0.058547	mg/L	0.058547	mg/L	16:15:15
1	Cr 267.716 At	142142.6	158035.3	3.62373	mg/L	3.62373	mg/L	16:14:55
1	Cu 324.752 At	359549.8	396083.2	2.21984	mg/L	2.21984	mg/L	16:14:44
1	Ga 417.206 At	13245.4	14838.2	0.056314	mg/L	0.056314	mg/L	16:14:55
1	La 379.478 At	44778.5	50335.0	0.223252	mg/L	0.223252	mg/L	16:14:44
1	Mo 202.031 At	674.1	712.6	0.080678	mg/L	0.080678	mg/L	16:14:55
1	Ni 232.003 At	5899.8	6658.2	1.09115	mg/L	1.09115	mg/L	16:14:55
1	P 213.617 At	19458.2	21735.5	10.6981	mg/L	10.6981	mg/L	16:14:55
1	Pb 220.353 At	15408.0	17109.9	4.12381	mg/L	4.12381	mg/L	16:14:55
1	Sb 206.836 At	123.6	150.0	0.028919	mg/L	0.028919	mg/L	16:15:15
1	Sc 361.383 At	15426.5	17178.5	0.013473	mg/L	0.013473	mg/L	16:14:55
1	Se 196.026 At	-60.8	-36.6	-0.003244	mg/L	-0.003244	mg/L	16:15:15
1	Sn 189.927 At	5628.1	6301.9	2.27707	mg/L	2.27707	mg/L	16:15:15
1	Ti 336.121 At	487492.7	543349.3	1.96578	mg/L	1.96578	mg/L	16:14:44
1	Tl 190.801 At	-41.3	-35.3	0.008276	mg/L	0.008276	mg/L	16:15:15
1	V 292.402 At	23730.5	26885.6	0.256298	mg/L	0.256298	mg/L	16:14:55
1	Zn 206.200 At	147032.0	163632.7	14.7099	mg/L	14.7099	mg/L	16:14:55
2	Lu 261.542 R	169448.8	169448.8	91.5030	%			16:14:17
2	Al 308.215 Rt	77437.8	84575.1	85.4046	mg/L	85.4046	mg/L	16:14:17
2	B 249.677 Rt	204.8	218.6	0.118058	mg/L	0.118058	mg/L	16:14:27
2	Be 313.107 Rt	985.6	986.2	0.007103	mg/L	0.007103	mg/L	16:14:27
2	Ca 315.887 Rt	614425.8	671560.4	180.199	mg/L	180.199	mg/L	16:14:17
2	Fe 273.955 Rt	474970.8	519059.7	575.168	mg/L	575.168	mg/L	16:14:17
2	K 766.490 Rt	23620.0	25487.3	9.87460	mg/L	9.87460	mg/L	16:14:27
2	Li 670.784 Rt	7832.7	8464.2	0.097754	mg/L	0.097754	mg/L	16:14:27
2	Mg 279.077 Rt	37893.4	41416.2	77.4299	mg/L	77.4299	mg/L	16:14:27
2	Mn 260.568 Rt	99281.6	108499.0	7.94289	mg/L	7.94289	mg/L	16:14:17
2	Na 589.592 Rt	15990.5	17407.7	2.23616	mg/L	2.23616	mg/L	16:14:27
2	Si 251.611 Rt	18037.3	19629.6	13.8474	mg/L	13.8474	mg/L	16:14:27
2	SIO2 251.611 Rt	18037.3	19629.6	29.6335	mg/L	29.6335	mg/L	16:14:27
2	Sr 421.552 Rt	320671.7	350286.2	0.480836	mg/L	0.480836	mg/L	16:14:17
2	Lu 261.542 A	2460913.8	2460913.8	89.5490	%			16:15:31
2	Ag 328.068 At	503.8	929.9	0.028936	mg/L	0.028936	mg/L	16:15:42
2	As 188.979 At	103.3	128.0	0.119009	mg/L	0.119009	mg/L	16:16:02
2	Ba 233.527 At	65693.6	73422.8	1.65376	mg/L	1.65376	mg/L	16:15:42
2	Bi 222.821 At	342.6	340.1	-0.162182	mg/L	-0.162182	mg/L	16:16:02
2	Cd 226.502 At	4636.0	5238.0	-0.012946	mg/L	-0.012946	mg/L	16:15:42
2	Co 228.616 At	979.9	1202.3	0.058588	mg/L	0.058588	mg/L	16:16:02
2	Cr 267.716 At	141360.4	157680.6	3.61559	mg/L	3.61559	mg/L	16:15:42
2	Cu 324.752 At	359544.9	397390.2	2.22717	mg/L	2.22717	mg/L	16:15:31

Method: ILMO5 OPT5 Page 7 Date: 5/20/2009 4:16:05 PM

2	Ga 417.206 At	13204.6	14841.0	0.056048 mg/L	0.056048 mg/L	16:15:42
2	La 379.478 At	44705.2	50416.5	0.223614 mg/L	0.223614 mg/L	16:15:31
2	Mo 202.031 At	667.5	707.6	0.079984 mg/L	0.079984 mg/L	16:15:42
2	Ni 232.003 At	5866.2	6642.2	1.09112 mg/L	1.09112 mg/L	16:15:42
2	P 213.617 At	19395.5	21736.5	10.6988 mg/L	10.6988 mg/L	16:15:42
2	Pb 220.353 At	15330.6	17079.7	4.11641 mg/L	4.11641 mg/L	16:15:42
2	Sb 206.836 At	118.8	145.1	0.026395 mg/L	0.026395 mg/L	16:16:02
2	Sc 361.383 At	15352.5	17152.2	0.013452 mg/L	0.013452 mg/L	16:15:42
2	Se 196.026 At	-59.4	-35.2	-0.000820 mg/L	-0.000820 mg/L	16:16:02
2	Sn 189.927 At	5639.5	6335.3	2.28910 mg/L	2.28910 mg/L	16:16:02
2	Ti 336.121 At	487194.6	544795.7	1.97100 mg/L	1.97100 mg/L	16:15:31
2	Tl 190.801 At	-39.0	-32.8	0.011591 mg/L	0.011591 mg/L	16:16:02
2	V 292.402 At	23616.6	26845.0	0.255760 mg/L	0.255760 mg/L	16:15:42
2	Zn 206.200 At	145826.1	162822.8	14.6371 mg/L	14.6371 mg/L	16:15:42

Mean Data: ME2QR6

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	170253.6	91.9375	%	0.61459				0.67%
Lu 261.542 A	2464948.9	89.6959	%	0.20765				0.23%
Ag 328.068 At	896.0	0.028680	mg/L	0.0003617	0.028680	mg/L	0.0003617	1.26%
Al 308.215 Rt	84416.3	85.2442	mg/L	0.22680	85.2442	mg/L	0.22680	0.27%
As 188.979 At	130.9	0.121793	mg/L	0.0039383	0.121793	mg/L	0.0039383	3.23%
B 249.677 Rt	214.2	0.115814	mg/L	0.0031735	0.115814	mg/L	0.0031735	2.74%
Ba 233.527 At	73605.2	1.65786	mg/L	0.005808	1.65786	mg/L	0.005808	0.35%
Be 313.107 Rt	978.5	0.007049	mg/L	0.0000760	0.007049	mg/L	0.0000760	1.08%
Bi 222.821 At	337.9	-0.164049	mg/L	0.0026405	-0.164049	mg/L	0.0026405	1.61%
Ca 315.887 Rt	671093.1	180.074	mg/L	0.1773	180.074	mg/L	0.1773	0.10%
Cd 226.502 At	5236.6	-0.012825	mg/L	0.0001709	-0.012825	mg/L	0.0001709	1.33%
Co 228.616 At	1201.7	0.058568	mg/L	0.0000289	0.058568	mg/L	0.0000289	0.05%
Cr 267.716 At	157858.0	3.61966	mg/L	0.005757	3.61966	mg/L	0.005757	0.16%
Cu 324.752 At	396736.7	2.22351	mg/L	0.005183	2.22351	mg/L	0.005183	0.23%
Fe 273.955 Rt	518502.0	574.550	mg/L	0.8738	574.550	mg/L	0.8738	0.15%
Ga 417.206 At	14839.6	0.056181	mg/L	0.0001879	0.056181	mg/L	0.0001879	0.33%
K 766.490 Rt	25254.6	9.78445	mg/L	0.127493	9.78445	mg/L	0.127493	1.30%
La 379.478 At	50375.8	0.223433	mg/L	0.0002558	0.223433	mg/L	0.0002558	0.11%
Li 670.784 Rt	8384.6	0.096835	mg/L	0.0013002	0.096835	mg/L	0.0013002	1.34%
Mg 279.077 Rt	41122.5	76.8809	mg/L	0.77643	76.8809	mg/L	0.77643	1.01%
Mn 260.568 Rt	108424.9	7.93749	mg/L	0.007637	7.93749	mg/L	0.007637	0.10%
Mo 202.031 At	710.1	0.080331	mg/L	0.0004908	0.080331	mg/L	0.0004908	0.61%
Na 589.592 Rt	17279.0	2.21964	mg/L	0.023366	2.21964	mg/L	0.023366	1.05%
Ni 232.003 At	6650.2	1.09113	mg/L	0.000023	1.09113	mg/L	0.000023	0.00%
P 213.617 At	21736.0	10.6985	mg/L	0.00044	10.6985	mg/L	0.00044	0.00%
Pb 220.353 At	17094.8	4.12011	mg/L	0.005229	4.12011	mg/L	0.005229	0.13%
Sb 206.836 At	147.6	0.027657	mg/L	0.0017853	0.027657	mg/L	0.0017853	6.46%
Sc 361.383 At	17165.4	0.013462	mg/L	0.0000146	0.013462	mg/L	0.0000146	0.11%
Se 196.026 At	-35.9	-0.002032	mg/L	0.0017143	-0.002032	mg/L	0.0017143	84.37%
Si 251.611 Rt	19453.1	13.7228	mg/L	0.17631	13.7228	mg/L	0.17631	1.28%
SIO2 251.611 Rt	19453.1	29.3667	mg/L	0.37731	29.3667	mg/L	0.37731	1.28%
Sn 189.927 At	6318.6	2.28309	mg/L	0.008510	2.28309	mg/L	0.008510	0.37%
Sr 421.552 Rt	350206.4	0.480727	mg/L	0.0001549	0.480727	mg/L	0.0001549	0.03%
Ti 336.121 At	544072.5	1.96839	mg/L	0.003689	1.96839	mg/L	0.003689	0.19%
Tl 190.801 At	-34.0	0.009934	mg/L	0.0023445	0.009934	mg/L	0.0023445	23.60%
V 292.402 At	26865.3	0.256029	mg/L	0.0003807	0.256029	mg/L	0.0003807	0.15%
Zn 206.200 At	163227.7	14.6735	mg/L	0.05150	14.6735	mg/L	0.05150	0.35%

Method: ILMO5 OPT5 Page 8 Date: 5/20/2009 4:22:04 PM

Sequence No.: 4
Sample ID: ME2QR7
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 5/20/2009 4:17:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR7

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	167476.1	167476.1	90.4377	%			16:19:40
1	Al 308.215 Rt	82307.1	90956.1	91.8479	mg/L	91.8479	mg/L	16:19:40
1	B 249.677 Rt	324.8	353.9	0.183680	mg/L	0.183680	mg/L	16:20:00
1	Be 313.107 Rt	1230.9	1270.1	0.008802	mg/L	0.008802	mg/L	16:20:00
1	Ca 315.887 Rt	1336570.4	1477969.4	396.582	mg/L	396.582	mg/L	16:19:40
1	Fe 273.955 Rt	172249.2	190444.5	211.013	mg/L	211.013	mg/L	16:19:40
1	K 766.490 Rt	27003.4	29532.5	11.4418	mg/L	11.4418	mg/L	16:19:40
1	Li 670.784 Rt	9889.7	10839.6	0.125187	mg/L	0.125187	mg/L	16:20:00
1	Mg 279.077 Rt	75601.9	83599.5	156.294	mg/L	156.294	mg/L	16:19:40
1	Mn 260.568 Rt	143205.7	158345.5	11.6302	mg/L	11.6302	mg/L	16:19:40
1	Na 589.592 Rt	16986.4	18714.7	2.40405	mg/L	2.40405	mg/L	16:19:40
1	Si 251.611 Rt	22553.4	24855.3	17.5368	mg/L	17.5368	mg/L	16:20:00
1	SIO2 251.611 Rt	22553.4	24855.3	37.5287	mg/L	37.5287	mg/L	16:20:00
1	Sr 421.552 Rt	429503.3	474753.0	0.651691	mg/L	0.651691	mg/L	16:19:40
1	Lu 261.542 A	2409493.4	2409493.4	87.6779	%			16:20:49
1	Ag 328.068 At	-854.1	-606.9	0.002945	mg/L	0.002945	mg/L	16:21:00
1	As 188.979 At	29.0	45.8	0.047254	mg/L	0.047254	mg/L	16:21:20
1	Ba 233.527 At	47790.5	54569.3	1.22910	mg/L	1.22910	mg/L	16:21:00
1	Bi 222.821 At	128.0	103.6	-0.058164	mg/L	-0.058164	mg/L	16:21:20
1	Cd 226.502 At	1914.0	2244.0	0.003523	mg/L	0.003523	mg/L	16:21:00
1	Co 228.616 At	840.6	1066.8	0.050585	mg/L	0.050585	mg/L	16:21:20
1	Cr 267.716 At	26198.8	29703.2	0.679515	mg/L	0.679515	mg/L	16:21:00
1	Cu 324.752 At	185140.0	207043.2	1.16014	mg/L	1.16014	mg/L	16:20:49
1	Ga 417.206 At	5964.9	6898.5	0.033278	mg/L	0.033278	mg/L	16:21:00
1	La 379.478 At	32138.6	37149.2	0.164769	mg/L	0.164769	mg/L	16:20:49
1	Mo 202.031 At	286.3	288.8	0.021243	mg/L	0.021243	mg/L	16:21:20
1	Ni 232.003 At	770.0	969.6	0.299715	mg/L	0.299715	mg/L	16:21:00
1	P 213.617 At	5354.4	6184.4	3.06458	mg/L	3.06458	mg/L	16:21:00
1	Pb 220.353 At	2943.1	3316.6	0.794894	mg/L	0.794894	mg/L	16:21:20
1	Sb 206.836 At	41.2	59.5	0.017789	mg/L	0.017789	mg/L	16:21:20
1	Sc 361.383 At	21745.7	24809.7	0.019458	mg/L	0.019458	mg/L	16:21:00
1	Se 196.026 At	-32.3	-5.7	-0.009495	mg/L	-0.009495	mg/L	16:21:20
1	Sn 189.927 At	525.9	637.4	0.230293	mg/L	0.230293	mg/L	16:21:20
1	Ti 336.121 At	567607.1	648119.7	2.34186	mg/L	2.34186	mg/L	16:20:49
1	Tl 190.801 At	-33.8	-27.8	0.008719	mg/L	0.008719	mg/L	16:21:20
1	V 292.402 At	28171.4	32602.8	0.335533	mg/L	0.335533	mg/L	16:21:00
1	Zn 206.200 At	40345.9	45993.8	4.13400	mg/L	4.13400	mg/L	16:21:00
2	Lu 261.542 R	166510.1	166510.1	89.9160	%			16:20:15
2	Al 308.215 Rt	81712.8	90823.1	91.7136	mg/L	91.7136	mg/L	16:20:15
2	B 249.677 Rt	318.8	349.3	0.181294	mg/L	0.181294	mg/L	16:20:35
2	Be 313.107 Rt	1224.1	1270.5	0.008804	mg/L	0.008804	mg/L	16:20:35
2	Ca 315.887 Rt	1331259.0	1480636.2	397.298	mg/L	397.298	mg/L	16:20:15
2	Fe 273.955 Rt	171073.6	190242.0	210.788	mg/L	210.788	mg/L	16:20:15
2	K 766.490 Rt	26846.4	29531.1	11.4413	mg/L	11.4413	mg/L	16:20:15
2	Li 670.784 Rt	9831.7	10838.6	0.125175	mg/L	0.125175	mg/L	16:20:35
2	Mg 279.077 Rt	75347.1	83801.1	156.671	mg/L	156.671	mg/L	16:20:15
2	Mn 260.568 Rt	142304.2	158261.5	11.6240	mg/L	11.6240	mg/L	16:20:15
2	Na 589.592 Rt	16855.8	18678.4	2.39940	mg/L	2.39940	mg/L	16:20:15
2	Si 251.611 Rt	22607.9	25060.7	17.6819	mg/L	17.6819	mg/L	16:20:35
2	SIO2 251.611 Rt	22607.9	25060.7	37.8392	mg/L	37.8392	mg/L	16:20:35
2	Sr 421.552 Rt	426597.1	474276.0	0.651037	mg/L	0.651037	mg/L	16:20:15
2	Lu 261.542 A	2426141.6	2426141.6	88.2837	%			16:21:33
2	Ag 328.068 At	-861.3	-608.3	0.002916	mg/L	0.002916	mg/L	16:21:43
2	As 188.979 At	33.7	50.9	0.052194	mg/L	0.052194	mg/L	16:22:03
2	Ba 233.527 At	47595.1	53973.9	1.21569	mg/L	1.21569	mg/L	16:21:43
2	Bi 222.821 At	114.5	87.2	-0.073373	mg/L	-0.073373	mg/L	16:22:03
2	Cd 226.502 At	1887.1	2198.5	0.002382	mg/L	0.002382	mg/L	16:21:43
2	Co 228.616 At	845.7	1066.0	0.050536	mg/L	0.050536	mg/L	16:22:03
2	Cr 267.716 At	26148.9	29441.7	0.673515	mg/L	0.673515	mg/L	16:21:43
2	Cu 324.752 At	187850.4	208664.4	1.16923	mg/L	1.16923	mg/L	16:21:33

2	Ga 417.206 At	5913.1	6793.2	0.031937 mg/L	0.031937 mg/L	16:21:43
2	La 379.478 At	32546.8	37360.1	0.165704 mg/L	0.165704 mg/L	16:21:33
2	Mo 202.031 At	285.0	285.0	0.020713 mg/L	0.020713 mg/L	16:22:03
2	Ni 232.003 At	707.7	893.0	0.292437 mg/L	0.292437 mg/L	16:21:43
2	P 213.617 At	5303.3	6084.6	3.01594 mg/L	3.01594 mg/L	16:21:43
2	Pb 220.353 At	2952.5	3304.2	0.791882 mg/L	0.791882 mg/L	16:22:03
2	Sb 206.836 At	34.5	51.6	0.013663 mg/L	0.013663 mg/L	16:22:03
2	Sc 361.383 At	21630.7	24509.3	0.019222 mg/L	0.019222 mg/L	16:21:43
2	Se 196.026 At	-31.9	-5.0	-0.008366 mg/L	-0.008366 mg/L	16:22:03
2	Sn 189.927 At	528.1	635.8	0.229714 mg/L	0.229714 mg/L	16:22:03
2	Ti 336.121 At	572017.4	648673.0	2.34385 mg/L	2.34385 mg/L	16:21:33
2	Tl 190.801 At	-35.5	-29.5	0.006533 mg/L	0.006533 mg/L	16:22:03
2	V 292.402 At	28002.1	32190.6	0.331115 mg/L	0.331115 mg/L	16:21:43
2	Zn 206.200 At	40258.2	45578.7	4.09668 mg/L	4.09668 mg/L	16:21:43

Mean Data: ME2QR7

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	166993.1	90.1769	%	0.36885				0.41%
Lu 261.542 A	2417817.5	87.9808	%	0.42837				0.49%
Ag 328.068 At	-607.6	0.002930	mg/L	0.0000201	0.002930	mg/L	0.0000201	0.69%
Al 308.215 Rt	90889.6	91.7807	mg/L	0.09492	91.7807	mg/L	0.09492	0.10%
As 188.979 At	48.3	0.049724	mg/L	0.0034935	0.049724	mg/L	0.0034935	7.03%
B 249.677 Rt	351.6	0.182487	mg/L	0.0016867	0.182487	mg/L	0.0016867	0.92%
Ba 233.527 At	54271.6	1.22240	mg/L	0.009483	1.22240	mg/L	0.009483	0.78%
Be 313.107 Rt	1270.3	0.008803	mg/L	0.0000010	0.008803	mg/L	0.0000010	0.01%
Bi 222.821 At	95.4	-0.065768	mg/L	0.0107545	-0.065768	mg/L	0.0107545	16.35%
Ca 315.887 Rt	1479302.8	396.940	mg/L	0.5060	396.940	mg/L	0.5060	0.13%
Cd 226.502 At	2221.3	0.002953	mg/L	0.0008069	0.002953	mg/L	0.0008069	27.33%
Co 228.616 At	1066.4	0.050561	mg/L	0.0000344	0.050561	mg/L	0.0000344	0.07%
Cr 267.716 At	29572.5	0.676515	mg/L	0.0042423	0.676515	mg/L	0.0042423	0.63%
Cu 324.752 At	207853.8	1.16469	mg/L	0.006429	1.16469	mg/L	0.006429	0.55%
Fe 273.955 Rt	190343.2	210.901	mg/L	0.1587	210.901	mg/L	0.1587	0.08%
Ga 417.206 At	6845.8	0.032608	mg/L	0.0009487	0.032608	mg/L	0.0009487	2.91%
K 766.490 Rt	29531.8	11.4416	mg/L	0.00037	11.4416	mg/L	0.00037	0.00%
La 379.478 At	37254.7	0.165236	mg/L	0.0006613	0.165236	mg/L	0.0006613	0.40%
Li 670.784 Rt	10839.1	0.125181	mg/L	0.0000080	0.125181	mg/L	0.0000080	0.01%
Mg 279.077 Rt	83700.3	156.483	mg/L	0.2665	156.483	mg/L	0.2665	0.17%
Mn 260.568 Rt	158303.5	11.6271	mg/L	0.00437	11.6271	mg/L	0.00437	0.04%
Mo 202.031 At	286.9	0.020978	mg/L	0.0003747	0.020978	mg/L	0.0003747	1.79%
Na 589.592 Rt	18696.6	2.40173	mg/L	0.003291	2.40173	mg/L	0.003291	0.14%
Ni 232.003 At	931.3	0.296076	mg/L	0.0051460	0.296076	mg/L	0.0051460	1.74%
P 213.617 At	6134.5	3.04026	mg/L	0.034393	3.04026	mg/L	0.034393	1.13%
Pb 220.353 At	3310.4	0.793388	mg/L	0.0021300	0.793388	mg/L	0.0021300	0.27%
Sb 206.836 At	55.5	0.015726	mg/L	0.0029175	0.015726	mg/L	0.0029175	18.55%
Sc 361.383 At	24659.5	0.019340	mg/L	0.0001666	0.019340	mg/L	0.0001666	0.86%
Se 196.026 At	-5.4	-0.008931	mg/L	0.0007983	-0.008931	mg/L	0.0007983	8.94%
Si 251.611 Rt	24958.0	17.6093	mg/L	0.10261	17.6093	mg/L	0.10261	0.58%
SIO2 251.611 Rt	24958.0	37.6839	mg/L	0.21958	37.6839	mg/L	0.21958	0.58%
Sn 189.927 At	636.6	0.230004	mg/L	0.0004093	0.230004	mg/L	0.0004093	0.18%
Sr 421.552 Rt	474514.5	0.651364	mg/L	0.0004630	0.651364	mg/L	0.0004630	0.07%
Ti 336.121 At	648396.4	2.34286	mg/L	0.001408	2.34286	mg/L	0.001408	0.06%
Tl 190.801 At	-28.6	0.007626	mg/L	0.0015461	0.007626	mg/L	0.0015461	20.27%
V 292.402 At	32396.7	0.333324	mg/L	0.0031241	0.333324	mg/L	0.0031241	0.94%
Zn 206.200 At	45786.2	4.11534	mg/L	0.026384	4.11534	mg/L	0.026384	0.64%

Method: ILMO5 OPT5 Page 10 Date: 5/20/2009 4:28:09 PM

Sequence No.: 5
Sample ID: ME2QR8
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 5/20/2009 4:23:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	167584.5	167584.5	90.4962	%			16:25:45
1	Al 308.215 Rt	79314.2	87590.0	88.4519	mg/L	88.4519	mg/L	16:25:45
1	B 249.677 Rt	273.5	297.0	0.154889	mg/L	0.154889	mg/L	16:26:05
1	Be 313.107 Rt	1286.6	1330.7	0.009302	mg/L	0.009302	mg/L	16:26:05
1	Ca 315.887 Rt	1504924.5	1663047.7	446.244	mg/L	446.244	mg/L	16:25:45
1	Fe 273.955 Rt	112707.7	124526.8	137.964	mg/L	137.964	mg/L	16:25:45
1	K 766.490 Rt	22210.9	24217.4	9.38260	mg/L	9.38260	mg/L	16:25:45
1	Li 670.784 Rt	7319.8	7992.7	0.092309	mg/L	0.092309	mg/L	16:26:05
1	Mg 279.077 Rt	85832.4	94850.4	177.328	mg/L	177.328	mg/L	16:25:45
1	Mn 260.568 Rt	104534.5	115510.6	8.48303	mg/L	8.48303	mg/L	16:25:45
1	Na 589.592 Rt	23694.3	26114.9	3.35468	mg/L	3.35468	mg/L	16:25:45
1	Si 251.611 Rt	28037.0	30898.7	21.8126	mg/L	21.8126	mg/L	16:26:05
1	SIO2 251.611 Rt	28037.0	30898.7	46.6790	mg/L	46.6790	mg/L	16:26:05
1	Sr 421.552 Rt	524677.0	579614.4	0.795634	mg/L	0.795634	mg/L	16:25:45
1	Lu 261.542 A	2416293.4	2416293.4	87.9254	%			16:26:54
1	Ag 328.068 At	-295.4	31.3	0.004569	mg/L	0.004569	mg/L	16:27:05
1	As 188.979 At	10.0	24.0	0.025434	mg/L	0.025434	mg/L	16:27:25
1	Ba 233.527 At	35091.7	39973.1	0.900344	mg/L	0.900344	mg/L	16:27:05
1	Bi 222.821 At	117.2	90.9	-0.027581	mg/L	-0.027581	mg/L	16:27:25
1	Cd 226.502 At	1051.6	1256.9	-0.003055	mg/L	-0.003055	mg/L	16:27:05
1	Co 228.616 At	514.3	692.9	0.031911	mg/L	0.031911	mg/L	16:27:25
1	Cr 267.716 At	41284.5	46776.6	1.07121	mg/L	1.07121	mg/L	16:27:05
1	Cu 324.752 At	205672.1	229800.7	1.28785	mg/L	1.28785	mg/L	16:26:54
1	Ga 417.206 At	3955.5	4594.0	0.021312	mg/L	0.021312	mg/L	16:27:05
1	La 379.478 At	24578.4	28447.7	0.126174	mg/L	0.126174	mg/L	16:27:05
1	Mo 202.031 At	291.4	293.6	0.017672	mg/L	0.017672	mg/L	16:27:25
1	Ni 232.003 At	1312.9	1584.5	0.268331	mg/L	0.268331	mg/L	16:27:05
1	P 213.617 At	2852.0	3321.1	1.64178	mg/L	1.64178	mg/L	16:27:05
1	Pb 220.353 At	6040.6	6830.0	1.65564	mg/L	1.65564	mg/L	16:27:05
1	Sb 206.836 At	29.7	46.3	0.009841	mg/L	0.009841	mg/L	16:27:25
1	Sc 361.383 At	16461.1	18729.5	0.014689	mg/L	0.014689	mg/L	16:27:05
1	Se 196.026 At	-25.8	1.7	-0.006668	mg/L	-0.006668	mg/L	16:27:25
1	Sn 189.927 At	1637.8	1900.3	0.686626	mg/L	0.686626	mg/L	16:27:25
1	Ti 336.121 At	467084.0	531970.1	1.92009	mg/L	1.92009	mg/L	16:26:54
1	Tl 190.801 At	-28.5	-21.7	0.003402	mg/L	0.003402	mg/L	16:27:25
1	V 292.402 At	13209.2	15495.4	0.158022	mg/L	0.158022	mg/L	16:27:05
1	Zn 206.200 At	19938.8	22654.7	2.03595	mg/L	2.03595	mg/L	16:27:05
2	Lu 261.542 R	167413.2	167413.2	90.4037	%			16:26:20
2	Al 308.215 Rt	79082.7	87423.6	88.2838	mg/L	88.2838	mg/L	16:26:20
2	B 249.677 Rt	271.7	295.3	0.154021	mg/L	0.154021	mg/L	16:26:40
2	Be 313.107 Rt	1293.8	1340.2	0.009369	mg/L	0.009369	mg/L	16:26:40
2	Ca 315.887 Rt	1499087.2	1658292.5	444.968	mg/L	444.968	mg/L	16:26:20
2	Fe 273.955 Rt	112244.7	124142.1	137.538	mg/L	137.538	mg/L	16:26:20
2	K 766.490 Rt	22096.9	24116.4	9.34346	mg/L	9.34346	mg/L	16:26:20
2	Li 670.784 Rt	7352.2	8036.8	0.092818	mg/L	0.092818	mg/L	16:26:40
2	Mg 279.077 Rt	85712.6	94814.8	177.262	mg/L	177.262	mg/L	16:26:20
2	Mn 260.568 Rt	104107.4	115156.4	8.45701	mg/L	8.45701	mg/L	16:26:20
2	Na 589.592 Rt	23610.2	26048.7	3.34617	mg/L	3.34617	mg/L	16:26:20
2	Si 251.611 Rt	28060.5	30956.4	21.8535	mg/L	21.8535	mg/L	16:26:40
2	SIO2 251.611 Rt	28060.5	30956.4	46.7664	mg/L	46.7664	mg/L	16:26:40
2	Sr 421.552 Rt	522428.0	577719.9	0.793034	mg/L	0.793034	mg/L	16:26:20
2	Lu 261.542 A	2417627.5	2417627.5	87.9739	%			16:27:37
2	Ag 328.068 At	-290.8	36.8	0.004584	mg/L	0.004584	mg/L	16:27:48
2	As 188.979 At	12.4	26.7	0.028059	mg/L	0.028059	mg/L	16:28:08
2	Ba 233.527 At	35301.9	40190.1	0.905232	mg/L	0.905232	mg/L	16:27:48
2	Bi 222.821 At	107.6	79.8	-0.037931	mg/L	-0.037931	mg/L	16:28:08
2	Cd 226.502 At	1056.5	1261.8	-0.002810	mg/L	-0.002810	mg/L	16:27:48
2	Co 228.616 At	514.5	692.9	0.031910	mg/L	0.031910	mg/L	16:28:08
2	Cr 267.716 At	41428.6	46914.4	1.07437	mg/L	1.07437	mg/L	16:27:48
2	Cu 324.752 At	205185.2	229118.2	1.28402	mg/L	1.28402	mg/L	16:27:37

Method: ILMO5 OPT5 Page 11 Date: 5/20/2009 4:28:11 PM

2	Ga 417.206 At	3945.8	4580.5	0.021235 mg/L	0.021235 mg/L	16:27:48
2	La 379.478 At	24495.0	28337.5	0.125686 mg/L	0.125686 mg/L	16:27:48
2	Mo 202.031 At	286.2	287.5	0.016961 mg/L	0.016961 mg/L	16:28:08
2	Ni 232.003 At	1305.2	1575.0	0.266867 mg/L	0.266867 mg/L	16:27:48
2	P 213.617 At	2860.5	3329.0	1.64556 mg/L	1.64556 mg/L	16:27:48
2	Pb 220.353 At	6058.7	6846.8	1.65976 mg/L	1.65976 mg/L	16:27:48
2	Sb 206.836 At	34.5	51.7	0.012674 mg/L	0.012674 mg/L	16:28:08
2	Sc 361.383 At	16484.8	18746.3	0.014702 mg/L	0.014702 mg/L	16:27:48
2	Se 196.026 At	-25.2	2.5	-0.005453 mg/L	-0.005453 mg/L	16:28:08
2	Sn 189.927 At	1636.1	1897.4	0.685567 mg/L	0.685567 mg/L	16:28:08
2	Ti 336.121 At	467119.3	531717.1	1.91919 mg/L	1.91919 mg/L	16:27:37
2	Tl 190.801 At	-28.9	-22.1	0.002804 mg/L	0.002804 mg/L	16:28:08
2	V 292.402 At	13258.3	15542.9	0.158561 mg/L	0.158561 mg/L	16:27:48
2	Zn 206.200 At	20079.4	22802.0	2.04920 mg/L	2.04920 mg/L	16:27:48

Mean Data: ME2QR8

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	167498.8	90.4500	%	0.06541				0.07%
Lu 261.542 A	2416960.5	87.9496	%	0.03433				0.04%
Ag 328.068 At	34.0	0.004577	mg/L	0.0000111	0.004577	mg/L	0.0000111	0.24%
Al 308.215 Rt	87506.8	88.3678	mg/L	0.11886	88.3678	mg/L	0.11886	0.13%
As 188.979 At	25.4	0.026747	mg/L	0.0018558	0.026747	mg/L	0.0018558	6.94%
B 249.677 Rt	296.2	0.154455	mg/L	0.0006134	0.154455	mg/L	0.0006134	0.40%
Ba 233.527 At	40081.6	0.902788	mg/L	0.0034557	0.902788	mg/L	0.0034557	0.38%
Be 313.107 Rt	1335.4	0.009335	mg/L	0.0000473	0.009335	mg/L	0.0000473	0.51%
Bi 222.821 At	85.4	-0.032756	mg/L	0.0073186	-0.032756	mg/L	0.0073186	22.34%
Ca 315.887 Rt	1660670.1	445.606	mg/L	0.9023	445.606	mg/L	0.9023	0.20%
Cd 226.502 At	1259.4	-0.002932	mg/L	0.0001736	-0.002932	mg/L	0.0001736	5.92%
Co 228.616 At	692.9	0.031910	mg/L	0.0000008	0.031910	mg/L	0.0000008	0.00%
Cr 267.716 At	46845.5	1.07279	mg/L	0.002237	1.07279	mg/L	0.002237	0.21%
Cu 324.752 At	229459.4	1.28594	mg/L	0.002704	1.28594	mg/L	0.002704	0.21%
Fe 273.955 Rt	124334.4	137.751	mg/L	0.3015	137.751	mg/L	0.3015	0.22%
Ga 417.206 At	4587.3	0.021274	mg/L	0.0000544	0.021274	mg/L	0.0000544	0.26%
K 766.490 Rt	24166.9	9.36303	mg/L	0.027672	9.36303	mg/L	0.027672	0.30%
La 379.478 At	28392.6	0.125930	mg/L	0.0003456	0.125930	mg/L	0.0003456	0.27%
Li 670.784 Rt	8014.8	0.092563	mg/L	0.0003600	0.092563	mg/L	0.0003600	0.39%
Mg 279.077 Rt	94832.6	177.295	mg/L	0.0470	177.295	mg/L	0.0470	0.03%
Mn 260.568 Rt	115333.5	8.47002	mg/L	0.018403	8.47002	mg/L	0.018403	0.22%
Mo 202.031 At	290.6	0.017316	mg/L	0.0005030	0.017316	mg/L	0.0005030	2.90%
Na 589.592 Rt	26081.8	3.35042	mg/L	0.006021	3.35042	mg/L	0.006021	0.18%
Ni 232.003 At	1579.8	0.267599	mg/L	0.0010354	0.267599	mg/L	0.0010354	0.39%
P 213.617 At	3325.1	1.64367	mg/L	0.002670	1.64367	mg/L	0.002670	0.16%
Pb 220.353 At	6838.4	1.65770	mg/L	0.002912	1.65770	mg/L	0.002912	0.18%
Sb 206.836 At	49.0	0.011258	mg/L	0.0020030	0.011258	mg/L	0.0020030	17.79%
Sc 361.383 At	18737.9	0.014696	mg/L	0.0000093	0.014696	mg/L	0.0000093	0.06%
Se 196.026 At	2.1	-0.006061	mg/L	0.0008587	-0.006061	mg/L	0.0008587	14.17%
Si 251.611 Rt	30927.6	21.8330	mg/L	0.02888	21.8330	mg/L	0.02888	0.13%
SIO2 251.611 Rt	30927.6	46.7227	mg/L	0.06180	46.7227	mg/L	0.06180	0.13%
Sn 189.927 At	1898.8	0.686097	mg/L	0.0007487	0.686097	mg/L	0.0007487	0.11%
Sr 421.552 Rt	578667.2	0.794334	mg/L	0.0018389	0.794334	mg/L	0.0018389	0.23%
Ti 336.121 At	531843.6	1.91964	mg/L	0.000639	1.91964	mg/L	0.000639	0.03%
Tl 190.801 At	-21.9	0.003103	mg/L	0.0004233	0.003103	mg/L	0.0004233	13.64%
V 292.402 At	15519.2	0.158291	mg/L	0.0003808	0.158291	mg/L	0.0003808	0.24%
Zn 206.200 At	22728.4	2.04258	mg/L	0.009365	2.04258	mg/L	0.009365	0.46%

Sequence No.: 6
Sample ID: ME2QR8L
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 5/20/2009 4:29:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8L

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	182345.1	182345.1	98.4670	%			16:31:47
1	Al 308.215 Rt	16564.5	16768.7	16.9336	mg/L	16.9336	mg/L	16:31:47
1	B 249.677 Rt	63.9	59.7	0.031122	mg/L	0.031122	mg/L	16:32:07
1	Be 313.107 Rt	345.0	259.4	0.001814	mg/L	0.001814	mg/L	16:32:07
1	Ca 315.887 Rt	330023.8	335240.3	89.9547	mg/L	89.9547	mg/L	16:31:47
1	Fe 273.955 Rt	25180.4	25555.1	28.3129	mg/L	28.3129	mg/L	16:31:47
1	K 766.490 Rt	4916.5	4666.9	1.80811	mg/L	1.80811	mg/L	16:31:47
1	Li 670.784 Rt	1604.4	1533.5	0.017711	mg/L	0.017711	mg/L	16:31:47
1	Mg 279.077 Rt	18175.2	18462.1	34.5160	mg/L	34.5160	mg/L	16:31:47
1	Mn 260.568 Rt	23083.1	23440.6	1.72149	mg/L	1.72149	mg/L	16:31:47
1	Na 589.592 Rt	5061.4	5072.5	0.651600	mg/L	0.651600	mg/L	16:31:47
1	Si 251.611 Rt	6142.1	6155.0	4.34507	mg/L	4.34507	mg/L	16:32:07
1	SIO2 251.611 Rt	6142.1	6155.0	9.29844	mg/L	9.29844	mg/L	16:32:07
1	Sr 421.552 Rt	111282.2	112851.3	0.154911	mg/L	0.154911	mg/L	16:31:47
1	Lu 261.542 A	2687258.1	2687258.1	97.7854	%			16:32:51
1	Ag 328.068 At	-360.3	-1.1	0.000884	mg/L	0.000884	mg/L	16:33:02
1	As 188.979 At	-3.7	8.9	0.008999	mg/L	0.008999	mg/L	16:33:22
1	Ba 233.527 At	8117.3	8363.5	0.188376	mg/L	0.188376	mg/L	16:33:02
1	Bi 222.821 At	58.2	17.1	-0.007518	mg/L	-0.007518	mg/L	16:33:22
1	Cd 226.502 At	161.6	226.2	-0.001472	mg/L	-0.001472	mg/L	16:33:22
1	Co 228.616 At	48.1	157.3	0.007381	mg/L	0.007381	mg/L	16:33:22
1	Cr 267.716 At	9592.4	9632.2	0.220600	mg/L	0.220600	mg/L	16:33:02
1	Cu 324.752 At	44340.1	41228.3	0.231029	mg/L	0.231029	mg/L	16:33:02
1	Ga 417.206 At	804.8	918.4	0.004119	mg/L	0.004119	mg/L	16:33:02
1	La 379.478 At	4801.0	5403.7	0.023967	mg/L	0.023967	mg/L	16:33:02
1	Mo 202.031 At	122.9	87.9	0.006896	mg/L	0.006896	mg/L	16:33:22
1	Ni 232.003 At	210.1	306.2	0.053184	mg/L	0.053184	mg/L	16:33:22
1	P 213.617 At	636.8	728.6	0.360549	mg/L	0.360549	mg/L	16:33:22
1	Pb 220.353 At	1435.9	1428.3	0.346234	mg/L	0.346234	mg/L	16:33:22
1	Sb 206.836 At	0.0	12.5	0.003616	mg/L	0.003616	mg/L	16:33:22
1	Sc 361.383 At	3496.9	3584.0	0.002811	mg/L	0.002811	mg/L	16:33:02
1	Se 196.026 At	-26.3	4.2	0.005430	mg/L	0.005430	mg/L	16:33:22
1	Sn 189.927 At	336.4	381.6	0.137899	mg/L	0.137899	mg/L	16:33:22
1	Ti 336.121 At	101474.2	104514.6	0.377221	mg/L	0.377221	mg/L	16:33:02
1	Tl 190.801 At	-14.1	-3.7	0.001656	mg/L	0.001656	mg/L	16:33:22
1	V 292.402 At	2574.4	3104.9	0.031659	mg/L	0.031659	mg/L	16:33:02
1	Zn 206.200 At	4987.1	5077.8	0.456355	mg/L	0.456355	mg/L	16:33:02
2	Lu 261.542 R	183087.9	183087.9	98.8681	%			16:32:18
2	Al 308.215 Rt	16634.4	16771.2	16.9361	mg/L	16.9361	mg/L	16:32:18
2	B 249.677 Rt	64.7	60.2	0.031395	mg/L	0.031395	mg/L	16:32:38
2	Be 313.107 Rt	351.7	264.7	0.001852	mg/L	0.001852	mg/L	16:32:38
2	Ca 315.887 Rt	330775.3	334640.6	89.7938	mg/L	89.7938	mg/L	16:32:18
2	Fe 273.955 Rt	25275.3	25547.4	28.3043	mg/L	28.3043	mg/L	16:32:18
2	K 766.490 Rt	4904.4	4634.5	1.79554	mg/L	1.79554	mg/L	16:32:18
2	Li 670.784 Rt	1647.6	1570.6	0.018140	mg/L	0.018140	mg/L	16:32:18
2	Mg 279.077 Rt	18204.3	18416.7	34.4310	mg/L	34.4310	mg/L	16:32:18
2	Mn 260.568 Rt	23160.0	23423.2	1.72022	mg/L	1.72022	mg/L	16:32:18
2	Na 589.592 Rt	5077.7	5068.1	0.651035	mg/L	0.651035	mg/L	16:32:18
2	Si 251.611 Rt	6168.6	6156.5	4.34622	mg/L	4.34622	mg/L	16:32:38
2	SIO2 251.611 Rt	6168.6	6156.5	9.30091	mg/L	9.30091	mg/L	16:32:38
2	Sr 421.552 Rt	111688.0	112803.3	0.154845	mg/L	0.154845	mg/L	16:32:18
2	Lu 261.542 A	2710722.1	2710722.1	98.6392	%			16:33:33
2	Ag 328.068 At	-351.9	10.6	0.000955	mg/L	0.000955	mg/L	16:33:44
2	As 188.979 At	-1.0	11.7	0.011670	mg/L	0.011670	mg/L	16:34:04
2	Ba 233.527 At	8115.2	8289.5	0.186710	mg/L	0.186710	mg/L	16:33:44
2	Bi 222.821 At	57.1	15.4	-0.009043	mg/L	-0.009043	mg/L	16:34:04
2	Cd 226.502 At	166.4	229.6	-0.001379	mg/L	-0.001379	mg/L	16:34:04
2	Co 228.616 At	45.7	154.3	0.007241	mg/L	0.007241	mg/L	16:34:04
2	Cr 267.716 At	9508.4	9462.1	0.216698	mg/L	0.216698	mg/L	16:33:44
2	Cu 324.752 At	43863.7	40352.8	0.226120	mg/L	0.226120	mg/L	16:33:44

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2	Ga 417.206 At	767.3	873.2	0.003551 mg/L	0.003551 mg/L	16:33:44
2	La 379.478 At	4767.4	5327.1	0.023627 mg/L	0.023627 mg/L	16:33:44
2	Mo 202.031 At	117.1	80.9	0.006096 mg/L	0.006096 mg/L	16:34:04
2	Ni 232.003 At	203.1	297.3	0.052445 mg/L	0.052445 mg/L	16:34:04
2	P 213.617 At	627.2	713.3	0.353193 mg/L	0.353193 mg/L	16:34:04
2	Pb 220.353 At	1416.0	1395.4	0.338238 mg/L	0.338238 mg/L	16:34:04
2	Sb 206.836 At	3.2	15.7	0.005328 mg/L	0.005328 mg/L	16:34:04
2	Sc 361.383 At	3516.4	3572.8	0.002802 mg/L	0.002802 mg/L	16:33:44
2	Se 196.026 At	-24.6	6.2	0.008842 mg/L	0.008842 mg/L	16:34:04
2	Sn 189.927 At	340.1	382.4	0.138156 mg/L	0.138156 mg/L	16:34:04
2	Ti 336.121 At	100728.3	102860.1	0.371229 mg/L	0.371229 mg/L	16:33:44
2	Tl 190.801 At	-12.3	-1.7	0.004179 mg/L	0.004179 mg/L	16:34:04
2	V 292.402 At	2558.2	3065.7	0.031230 mg/L	0.031230 mg/L	16:33:44
2	Zn 206.200 At	4983.9	5030.5	0.452099 mg/L	0.452099 mg/L	16:33:44

Mean Data: ME2QR8L

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	182716.5	98.6676	%	0.28365				0.29%
Lu 261.542 A	2698990.1	98.2123	%	0.60374				0.61%
Ag 328.068 At	4.7	0.000919	mg/L	0.0000505	0.000919	mg/L	0.0000505	5.49%
Al 308.215 Rt	16770.0	16.9349	mg/L	0.00176	16.9349	mg/L	0.00176	0.01%
As 188.979 At	10.3	0.010334	mg/L	0.0018883	0.010334	mg/L	0.0018883	18.27%
B 249.677 Rt	59.9	0.031259	mg/L	0.0001931	0.031259	mg/L	0.0001931	0.62%
Ba 233.527 At	8326.5	0.187543	mg/L	0.0011783	0.187543	mg/L	0.0011783	0.63%
Be 313.107 Rt	262.1	0.001833	mg/L	0.0000267	0.001833	mg/L	0.0000267	1.46%
Bi 222.821 At	16.3	-0.008281	mg/L	0.0010788	-0.008281	mg/L	0.0010788	13.03%
Ca 315.887 Rt	334940.4	89.8742	mg/L	0.11379	89.8742	mg/L	0.11379	0.13%
Cd 226.502 At	227.9	-0.001426	mg/L	0.0000659	-0.001426	mg/L	0.0000659	4.63%
Co 228.616 At	155.8	0.007311	mg/L	0.0000989	0.007311	mg/L	0.0000989	1.35%
Cr 267.716 At	9547.1	0.218649	mg/L	0.0027591	0.218649	mg/L	0.0027591	1.26%
Cu 324.752 At	40790.5	0.228575	mg/L	0.0034715	0.228575	mg/L	0.0034715	1.52%
Fe 273.955 Rt	25551.2	28.3086	mg/L	0.00605	28.3086	mg/L	0.00605	0.02%
Ga 417.206 At	895.8	0.003835	mg/L	0.0004019	0.003835	mg/L	0.0004019	10.48%
K 766.490 Rt	4650.7	1.80183	mg/L	0.008889	1.80183	mg/L	0.008889	0.49%
La 379.478 At	5365.4	0.023797	mg/L	0.0002404	0.023797	mg/L	0.0002404	1.01%
Li 670.784 Rt	1552.1	0.017925	mg/L	0.0003031	0.017925	mg/L	0.0003031	1.69%
Mg 279.077 Rt	18439.4	34.4735	mg/L	0.06005	34.4735	mg/L	0.06005	0.17%
Mn 260.568 Rt	23431.9	1.72085	mg/L	0.000899	1.72085	mg/L	0.000899	0.05%
Mo 202.031 At	84.4	0.006496	mg/L	0.0005655	0.006496	mg/L	0.0005655	8.71%
Na 589.592 Rt	5070.3	0.651317	mg/L	0.0003990	0.651317	mg/L	0.0003990	0.06%
Ni 232.003 At	301.7	0.052815	mg/L	0.0005227	0.052815	mg/L	0.0005227	0.99%
P 213.617 At	720.9	0.356871	mg/L	0.0052014	0.356871	mg/L	0.0052014	1.46%
Pb 220.353 At	1411.9	0.342236	mg/L	0.0056541	0.342236	mg/L	0.0056541	1.65%
Sb 206.836 At	14.1	0.004472	mg/L	0.0012105	0.004472	mg/L	0.0012105	27.07%
Sc 361.383 At	3578.4	0.002806	mg/L	0.0000062	0.002806	mg/L	0.0000062	0.22%
Se 196.026 At	5.2	0.007136	mg/L	0.0024129	0.007136	mg/L	0.0024129	33.81%
Si 251.611 Rt	6155.7	4.34564	mg/L	0.000815	4.34564	mg/L	0.000815	0.02%
SIO2 251.611 Rt	6155.7	9.29968	mg/L	0.001744	9.29968	mg/L	0.001744	0.02%
Sn 189.927 At	382.0	0.138027	mg/L	0.0001817	0.138027	mg/L	0.0001817	0.13%
Sr 421.552 Rt	112827.3	0.154878	mg/L	0.0000466	0.154878	mg/L	0.0000466	0.03%
Ti 336.121 At	103687.3	0.374225	mg/L	0.0042370	0.374225	mg/L	0.0042370	1.13%
Tl 190.801 At	-2.7	0.002918	mg/L	0.0017842	0.002918	mg/L	0.0017842	61.15%
V 292.402 At	3085.3	0.031444	mg/L	0.0003033	0.031444	mg/L	0.0003033	0.96%
Zn 206.200 At	5054.1	0.454227	mg/L	0.0030097	0.454227	mg/L	0.0030097	0.66%

Sequence No.: 7
Sample ID: ME2QR8D
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 5/20/2009 4:36:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8D

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	167393.3	167393.3	90.3930	%			16:38:47
1	Al 308.215 Rt	108939.3	120463.8	121.651	mg/L	121.651	mg/L	16:38:47
1	B 249.677 Rt	314.1	342.3	0.178431	mg/L	0.178431	mg/L	16:39:07
1	Be 313.107 Rt	1458.4	1522.4	0.010640	mg/L	0.010640	mg/L	16:39:07
1	Ca 315.887 Rt	1528157.6	1690650.0	453.650	mg/L	453.650	mg/L	16:38:47
1	Fe 273.955 Rt	109839.3	121495.8	134.605	mg/L	134.605	mg/L	16:38:47
1	K 766.490 Rt	21334.5	23275.9	9.01782	mg/L	9.01782	mg/L	16:38:47
1	Li 670.784 Rt	7311.6	7992.9	0.092311	mg/L	0.092311	mg/L	16:39:07
1	Mg 279.077 Rt	81694.3	90380.8	168.972	mg/L	168.972	mg/L	16:38:47
1	Mn 260.568 Rt	128687.4	142362.5	10.4588	mg/L	10.4588	mg/L	16:38:47
1	Na 589.592 Rt	23438.1	25861.4	3.32211	mg/L	3.32211	mg/L	16:38:47
1	Si 251.611 Rt	30581.9	33749.5	23.8244	mg/L	23.8244	mg/L	16:39:07
1	SIO2 251.611 Rt	30581.9	33749.5	50.9841	mg/L	50.9841	mg/L	16:39:07
1	Sr 421.552 Rt	414304.6	458173.9	0.628933	mg/L	0.628933	mg/L	16:38:47
1	Lu 261.542 A	2394492.4	2394492.4	87.1320	%			16:39:56
1	Ag 328.068 At	118.6	503.4	0.007132	mg/L	0.007132	mg/L	16:40:07
1	As 188.979 At	16.6	31.7	0.033295	mg/L	0.033295	mg/L	16:40:27
1	Ba 233.527 At	41967.7	48227.9	1.08627	mg/L	1.08627	mg/L	16:40:07
1	Bi 222.821 At	125.6	101.7	-0.007609	mg/L	-0.007609	mg/L	16:40:07
1	Cd 226.502 At	1126.6	1354.0	0.000599	mg/L	0.000599	mg/L	16:40:27
1	Co 228.616 At	513.5	697.4	0.031590	mg/L	0.031590	mg/L	16:40:27
1	Cr 267.716 At	44573.7	50979.0	1.16747	mg/L	1.16747	mg/L	16:40:07
1	Cu 324.752 At	345228.5	392096.9	2.19758	mg/L	2.19758	mg/L	16:39:56
1	Ga 417.206 At	4221.3	4940.0	0.025699	mg/L	0.025699	mg/L	16:40:07
1	La 379.478 At	23660.1	27648.2	0.122629	mg/L	0.122629	mg/L	16:40:07
1	Mo 202.031 At	358.5	373.7	0.025545	mg/L	0.025545	mg/L	16:40:27
1	Ni 232.003 At	1427.3	1729.4	0.280262	mg/L	0.280262	mg/L	16:40:07
1	P 213.617 At	2742.9	3225.4	1.57027	mg/L	1.57027	mg/L	16:40:07
1	Pb 220.353 At	7604.8	8687.9	2.10823	mg/L	2.10823	mg/L	16:40:07
1	Sb 206.836 At	37.0	55.0	0.013594	mg/L	0.013594	mg/L	16:40:27
1	Sc 361.383 At	17236.2	19789.6	0.015521	mg/L	0.015521	mg/L	16:40:07
1	Se 196.026 At	-23.8	3.8	-0.002274	mg/L	-0.002274	mg/L	16:40:27
1	Sn 189.927 At	1673.0	1957.7	0.707364	mg/L	0.707364	mg/L	16:40:27
1	Ti 336.121 At	519568.3	597042.1	2.15600	mg/L	2.15600	mg/L	16:39:56
1	Tl 190.801 At	-31.6	-25.6	0.003832	mg/L	0.003832	mg/L	16:40:27
1	V 292.402 At	14184.6	16751.6	0.171812	mg/L	0.171812	mg/L	16:40:07
1	Zn 206.200 At	21382.1	24517.6	2.20340	mg/L	2.20340	mg/L	16:40:07
2	Lu 261.542 R	166167.3	166167.3	89.7310	%			16:39:22
2	Al 308.215 Rt	108850.3	121253.8	122.449	mg/L	122.449	mg/L	16:39:22
2	B 249.677 Rt	312.4	343.0	0.178774	mg/L	0.178774	mg/L	16:39:42
2	Be 313.107 Rt	1450.2	1525.2	0.010660	mg/L	0.010660	mg/L	16:39:42
2	Ca 315.887 Rt	1526248.0	1700994.3	456.426	mg/L	456.426	mg/L	16:39:22
2	Fe 273.955 Rt	109429.8	121936.0	135.093	mg/L	135.093	mg/L	16:39:22
2	K 766.490 Rt	21239.1	23343.6	9.04408	mg/L	9.04408	mg/L	16:39:22
2	Li 670.784 Rt	7230.3	7962.0	0.091954	mg/L	0.091954	mg/L	16:39:42
2	Mg 279.077 Rt	81560.4	90898.4	169.940	mg/L	169.940	mg/L	16:39:22
2	Mn 260.568 Rt	128273.7	142951.8	10.5021	mg/L	10.5021	mg/L	16:39:22
2	Na 589.592 Rt	23444.0	26059.3	3.34753	mg/L	3.34753	mg/L	16:39:22
2	Si 251.611 Rt	30483.3	33889.2	23.9231	mg/L	23.9231	mg/L	16:39:42
2	SIO2 251.611 Rt	30483.3	33889.2	51.1954	mg/L	51.1954	mg/L	16:39:42
2	Sr 421.552 Rt	412979.0	460078.0	0.631547	mg/L	0.631547	mg/L	16:39:22
2	Lu 261.542 A	2401569.0	2401569.0	87.3896	%			16:40:39
2	Ag 328.068 At	170.9	562.8	0.007541	mg/L	0.007541	mg/L	16:40:50
2	As 188.979 At	15.3	30.2	0.031840	mg/L	0.031840	mg/L	16:41:10
2	Ba 233.527 At	42015.7	48141.0	1.08432	mg/L	1.08432	mg/L	16:40:50
2	Bi 222.821 At	109.5	82.9	-0.025872	mg/L	-0.025872	mg/L	16:40:50
2	Cd 226.502 At	1108.9	1329.9	-0.000162	mg/L	-0.000162	mg/L	16:41:10
2	Co 228.616 At	516.6	699.1	0.031683	mg/L	0.031683	mg/L	16:41:10
2	Cr 267.716 At	44673.4	50942.4	1.16662	mg/L	1.16662	mg/L	16:40:50
2	Cu 324.752 At	347198.4	393183.5	2.20367	mg/L	2.20367	mg/L	16:40:39

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2	Ga 417.206 At	4254.6	4963.9	0.025902 mg/L	0.025902 mg/L	16:40:50
2	La 379.478 At	23665.6	27574.5	0.122302 mg/L	0.122302 mg/L	16:40:50
2	Mo 202.031 At	352.5	365.6	0.024533 mg/L	0.024533 mg/L	16:41:10
2	Ni 232.003 At	1444.8	1744.7	0.282298 mg/L	0.282298 mg/L	16:40:50
2	P 213.617 At	2750.0	3224.3	1.56970 mg/L	1.56970 mg/L	16:40:50
2	Pb 220.353 At	7594.2	8649.9	2.09901 mg/L	2.09901 mg/L	16:40:50
2	Sb 206.836 At	31.4	48.4	0.010146 mg/L	0.010146 mg/L	16:41:10
2	Sc 361.383 At	17217.7	19710.2	0.015458 mg/L	0.015458 mg/L	16:40:50
2	Se 196.026 At	-25.8	1.6	-0.005985 mg/L	-0.005985 mg/L	16:41:10
2	Sn 189.927 At	1672.6	1951.6	0.705150 mg/L	0.705150 mg/L	16:41:10
2	Ti 336.121 At	521077.3	597011.8	2.15584 mg/L	2.15584 mg/L	16:40:39
2	Tl 190.801 At	-31.5	-25.3	0.004315 mg/L	0.004315 mg/L	16:41:10
2	V 292.402 At	14192.4	16712.6	0.171354 mg/L	0.171354 mg/L	16:40:50
2	Zn 206.200 At	21425.2	24494.6	2.20133 mg/L	2.20133 mg/L	16:40:50

Mean Data: ME2QR8D

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	166780.3	90.0620	%	0.46811				0.52%
Lu 261.542 A	2398030.7	87.2608	%	0.18209				0.21%
Ag 328.068 At	533.1	0.007336	mg/L	0.0002888	0.007336	mg/L	0.0002888	3.94%
Al 308.215 Rt	120858.8	122.050	mg/L	0.5641	122.050	mg/L	0.5641	0.46%
As 188.979 At	30.9	0.032567	mg/L	0.0010292	0.032567	mg/L	0.0010292	3.16%
B 249.677 Rt	342.7	0.178603	mg/L	0.0002421	0.178603	mg/L	0.0002421	0.14%
Ba 233.527 At	48184.5	1.08529	mg/L	0.001384	1.08529	mg/L	0.001384	0.13%
Be 313.107 Rt	1523.8	0.010650	mg/L	0.0000138	0.010650	mg/L	0.0000138	0.13%
Bi 222.821 At	92.3	-0.016740	mg/L	0.0129141	-0.016740	mg/L	0.0129141	77.14%
Ca 315.887 Rt	1695822.1	455.038	mg/L	1.9627	455.038	mg/L	1.9627	0.43%
Cd 226.502 At	1341.9	0.000218	mg/L	0.0005384	0.000218	mg/L	0.0005384	246.47%
Co 228.616 At	698.2	0.031637	mg/L	0.0000661	0.031637	mg/L	0.0000661	0.21%
Cr 267.716 At	50960.7	1.16704	mg/L	0.000600	1.16704	mg/L	0.000600	0.05%
Cu 324.752 At	392640.2	2.20062	mg/L	0.004305	2.20062	mg/L	0.004305	0.20%
Fe 273.955 Rt	121715.9	134.849	mg/L	0.3448	134.849	mg/L	0.3448	0.26%
Ga 417.206 At	4952.0	0.025800	mg/L	0.0001440	0.025800	mg/L	0.0001440	0.56%
K 766.490 Rt	23309.7	9.03095	mg/L	0.018569	9.03095	mg/L	0.018569	0.21%
La 379.478 At	27611.4	0.122465	mg/L	0.0002311	0.122465	mg/L	0.0002311	0.19%
Li 670.784 Rt	7977.5	0.092132	mg/L	0.0002526	0.092132	mg/L	0.0002526	0.27%
Mg 279.077 Rt	90639.6	169.456	mg/L	0.6842	169.456	mg/L	0.6842	0.40%
Mn 260.568 Rt	142657.1	10.4805	mg/L	0.03061	10.4805	mg/L	0.03061	0.29%
Mo 202.031 At	369.7	0.025039	mg/L	0.0007151	0.025039	mg/L	0.0007151	2.86%
Na 589.592 Rt	25960.3	3.33482	mg/L	0.017969	3.33482	mg/L	0.017969	0.54%
Ni 232.003 At	1737.1	0.281280	mg/L	0.0014398	0.281280	mg/L	0.0014398	0.51%
P 213.617 At	3224.8	1.56999	mg/L	0.000406	1.56999	mg/L	0.000406	0.03%
Pb 220.353 At	8668.9	2.10362	mg/L	0.006522	2.10362	mg/L	0.006522	0.31%
Sb 206.836 At	51.7	0.011870	mg/L	0.0024383	0.011870	mg/L	0.0024383	20.54%
Sc 361.383 At	19749.9	0.015489	mg/L	0.0000440	0.015489	mg/L	0.0000440	0.28%
Se 196.026 At	2.7	-0.004129	mg/L	0.0026235	-0.004129	mg/L	0.0026235	63.53%
Si 251.611 Rt	33819.4	23.8737	mg/L	0.06983	23.8737	mg/L	0.06983	0.29%
SIO2 251.611 Rt	33819.4	51.0898	mg/L	0.14943	51.0898	mg/L	0.14943	0.29%
Sn 189.927 At	1954.6	0.706257	mg/L	0.0015654	0.706257	mg/L	0.0015654	0.22%
Sr 421.552 Rt	459126.0	0.630240	mg/L	0.0018482	0.630240	mg/L	0.0018482	0.29%
Ti 336.121 At	597026.9	2.15592	mg/L	0.000109	2.15592	mg/L	0.000109	0.01%
Tl 190.801 At	-25.4	0.004073	mg/L	0.0003418	0.004073	mg/L	0.0003418	8.39%
V 292.402 At	16732.1	0.171583	mg/L	0.0003241	0.171583	mg/L	0.0003241	0.19%
Zn 206.200 At	24506.1	2.20236	mg/L	0.001463	2.20236	mg/L	0.001463	0.07%

Sequence No.: 8
Sample ID: ME2QR8S
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 5/20/2009 4:42:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR8S

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	165956.0	165956.0	89.6168	%			16:44:52
1	Al 308.215 Rt	95574.7	106594.5	107.630	mg/L	107.630	mg/L	16:44:52
1	B 249.677 Rt	315.4	346.7	0.180471	mg/L	0.180471	mg/L	16:45:12
1	Be 313.107 Rt	15644.5	17366.1	0.122317	mg/L	0.122317	mg/L	16:44:52
1	Ca 315.887 Rt	1742999.1	1945024.7	521.906	mg/L	521.906	mg/L	16:44:52
1	Fe 273.955 Rt	138100.2	154083.4	170.702	mg/L	170.702	mg/L	16:44:52
1	K 766.490 Rt	19859.2	21834.0	8.45920	mg/L	8.45920	mg/L	16:44:52
1	Li 670.784 Rt	6658.0	7333.6	0.084697	mg/L	0.084697	mg/L	16:45:12
1	Mg 279.077 Rt	93011.9	103792.4	194.046	mg/L	194.046	mg/L	16:44:52
1	Mn 260.568 Rt	142339.4	158829.2	11.6665	mg/L	11.6665	mg/L	16:44:52
1	Na 589.592 Rt	25781.4	28700.8	3.68685	mg/L	3.68685	mg/L	16:44:52
1	Si 251.611 Rt	48384.9	53908.1	38.0677	mg/L	38.0677	mg/L	16:44:52
1	SIO2 251.611 Rt	48384.9	53908.1	81.4650	mg/L	81.4650	mg/L	16:44:52
1	Sr 421.552 Rt	459897.4	513018.7	0.704219	mg/L	0.704219	mg/L	16:44:52
1	Lu 261.542 A	2383045.1	2383045.1	86.7155	%			16:46:03
1	Ag 328.068 At	14543.6	17138.9	0.117441	mg/L	0.117441	mg/L	16:46:14
1	As 188.979 At	90.6	117.2	0.114223	mg/L	0.114223	mg/L	16:46:34
1	Ba 233.527 At	193846.2	223605.1	5.03642	mg/L	5.03642	mg/L	16:46:14
1	Bi 222.821 At	152.3	133.2	-0.030640	mg/L	-0.030640	mg/L	16:46:34
1	Cd 226.502 At	4474.8	5221.3	0.094200	mg/L	0.094200	mg/L	16:46:34
1	Co 228.616 At	16994.1	19705.6	1.03075	mg/L	1.03075	mg/L	16:46:14
1	Cr 267.716 At	84995.9	97839.4	2.24190	mg/L	2.24190	mg/L	16:46:14
1	Cu 324.752 At	379397.1	433403.3	2.42915	mg/L	2.42915	mg/L	16:46:03
1	Ga 417.206 At	4437.7	5212.9	0.020169	mg/L	0.020169	mg/L	16:46:14
1	La 379.478 At	26853.4	31461.1	0.139540	mg/L	0.139540	mg/L	16:46:14
1	Mo 202.031 At	388.1	409.8	0.021390	mg/L	0.021390	mg/L	16:46:34
1	Ni 232.003 At	12056.2	13994.5	1.44350	mg/L	1.44350	mg/L	16:46:14
1	P 213.617 At	2660.0	3145.0	1.54203	mg/L	1.54203	mg/L	16:46:34
1	Pb 220.353 At	6502.1	7458.1	1.80712	mg/L	1.80712	mg/L	16:46:34
1	Sb 206.836 At	205.1	249.0	0.106628	mg/L	0.106628	mg/L	16:46:34
1	Sc 361.383 At	16594.7	19144.9	0.015015	mg/L	0.015015	mg/L	16:46:14
1	Se 196.026 At	16.1	49.7	0.075949	mg/L	0.075949	mg/L	16:46:34
1	Sn 189.927 At	1942.4	2277.6	0.822961	mg/L	0.822961	mg/L	16:46:34
1	Ti 336.121 At	570415.7	658543.6	2.37774	mg/L	2.37774	mg/L	16:46:03
1	Tl 190.801 At	29.3	44.5	0.097865	mg/L	0.097865	mg/L	16:46:34
1	V 292.402 At	103306.7	119605.2	1.27360	mg/L	1.27360	mg/L	16:46:14
1	Zn 206.200 At	31445.1	36240.2	3.25720	mg/L	3.25720	mg/L	16:46:14
2	Lu 261.542 R	166049.5	166049.5	89.6673	%			16:45:28
2	Al 308.215 Rt	95512.7	106465.3	107.499	mg/L	107.499	mg/L	16:45:28
2	B 249.677 Rt	318.6	350.1	0.182213	mg/L	0.182213	mg/L	16:45:48
2	Be 313.107 Rt	15711.2	17430.7	0.122772	mg/L	0.122772	mg/L	16:45:28
2	Ca 315.887 Rt	1744071.1	1945124.6	521.933	mg/L	521.933	mg/L	16:45:28
2	Fe 273.955 Rt	138055.9	153947.2	170.551	mg/L	170.551	mg/L	16:45:28
2	K 766.490 Rt	19795.9	21751.0	8.42703	mg/L	8.42703	mg/L	16:45:28
2	Li 670.784 Rt	6664.9	7337.1	0.084736	mg/L	0.084736	mg/L	16:45:48
2	Mg 279.077 Rt	93230.3	103977.5	194.392	mg/L	194.392	mg/L	16:45:28
2	Mn 260.568 Rt	142253.9	158644.4	11.6529	mg/L	11.6529	mg/L	16:45:28
2	Na 589.592 Rt	25724.9	28621.6	3.67668	mg/L	3.67668	mg/L	16:45:28
2	Si 251.611 Rt	48513.0	54020.6	38.1471	mg/L	38.1471	mg/L	16:45:28
2	SIO2 251.611 Rt	48513.0	54020.6	81.6348	mg/L	81.6348	mg/L	16:45:28
2	Sr 421.552 Rt	459333.6	512100.8	0.702959	mg/L	0.702959	mg/L	16:45:28
2	Lu 261.542 A	2372065.6	2372065.6	86.3160	%			16:46:46
2	Ag 328.068 At	14624.4	17310.2	0.118546	mg/L	0.118546	mg/L	16:46:57
2	As 188.979 At	95.1	122.9	0.119695	mg/L	0.119695	mg/L	16:47:17
2	Ba 233.527 At	195328.9	226357.5	5.09842	mg/L	5.09842	mg/L	16:46:57
2	Bi 222.821 At	142.5	122.7	-0.041136	mg/L	-0.041136	mg/L	16:47:17
2	Cd 226.502 At	4462.6	5231.0	0.094508	mg/L	0.094508	mg/L	16:47:17
2	Co 228.616 At	17105.6	19925.4	1.04228	mg/L	1.04228	mg/L	16:46:57
2	Cr 267.716 At	85381.3	98739.6	2.26254	mg/L	2.26254	mg/L	16:46:57
2	Cu 324.752 At	377900.6	433694.7	2.43079	mg/L	2.43079	mg/L	16:46:46

2	Ga 417.206 At	4496.0	5304.1	0.021359 mg/L	0.021359 mg/L	16:46:57
2	La 379.478 At	27040.9	31821.7	0.141139 mg/L	0.141139 mg/L	16:46:57
2	Mo 202.031 At	384.8	408.1	0.021148 mg/L	0.021148 mg/L	16:47:17
2	Ni 232.003 At	12113.8	14125.6	1.45507 mg/L	1.45507 mg/L	16:46:57
2	P 213.617 At	2661.8	3161.3	1.55000 mg/L	1.55000 mg/L	16:47:17
2	Pb 220.353 At	6506.0	7497.3	1.81667 mg/L	1.81667 mg/L	16:47:17
2	Sb 206.836 At	214.4	260.9	0.112688 mg/L	0.112688 mg/L	16:47:17
2	Sc 361.383 At	16706.2	19362.6	0.015186 mg/L	0.015186 mg/L	16:46:57
2	Se 196.026 At	15.2	48.7	0.074150 mg/L	0.074150 mg/L	16:47:17
2	Sn 189.927 At	1951.2	2298.2	0.830391 mg/L	0.830391 mg/L	16:47:17
2	Ti 336.121 At	570420.5	661593.9	2.38879 mg/L	2.38879 mg/L	16:46:46
2	Tl 190.801 At	32.9	48.8	0.103298 mg/L	0.103298 mg/L	16:47:17
2	V 292.402 At	103833.6	120767.0	1.28610 mg/L	1.28610 mg/L	16:46:57
2	Zn 206.200 At	31629.4	36621.5	3.29148 mg/L	3.29148 mg/L	16:46:57

Mean Data: ME2QR8S

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	166002.8	89.6421	%	0.03572				0.04%
Lu 261.542 A	2377555.4	86.5157	%	0.28251				0.33%
Ag 328.068 At	17224.5	0.117994	mg/L	0.0007812	0.117994	mg/L	0.0007812	0.66%
Al 308.215 Rt	106529.9	107.565	mg/L	0.0924	107.565	mg/L	0.0924	0.09%
As 188.979 At	120.0	0.116959	mg/L	0.0038693	0.116959	mg/L	0.0038693	3.31%
B 249.677 Rt	348.4	0.181342	mg/L	0.0012324	0.181342	mg/L	0.0012324	0.68%
Ba 233.527 At	224981.3	5.06742	mg/L	0.043838	5.06742	mg/L	0.043838	0.87%
Be 313.107 Rt	17398.4	0.122544	mg/L	0.0003223	0.122544	mg/L	0.0003223	0.26%
Bi 222.821 At	127.9	-0.035888	mg/L	0.0074216	-0.035888	mg/L	0.0074216	20.68%
Ca 315.887 Rt	1945074.6	521.920	mg/L	0.0189	521.920	mg/L	0.0189	0.00%
Cd 226.502 At	5226.2	0.094354	mg/L	0.0002176	0.094354	mg/L	0.0002176	0.23%
Co 228.616 At	19815.5	1.03652	mg/L	0.008157	1.03652	mg/L	0.008157	0.79%
Cr 267.716 At	98289.5	2.25222	mg/L	0.014597	2.25222	mg/L	0.014597	0.65%
Cu 324.752 At	433549.0	2.42997	mg/L	0.001159	2.42997	mg/L	0.001159	0.05%
Fe 273.955 Rt	154015.3	170.626	mg/L	0.1068	170.626	mg/L	0.1068	0.06%
Ga 417.206 At	5258.5	0.020764	mg/L	0.0008414	0.020764	mg/L	0.0008414	4.05%
K 766.490 Rt	21792.5	8.44312	mg/L	0.022745	8.44312	mg/L	0.022745	0.27%
La 379.478 At	31641.4	0.140340	mg/L	0.0011309	0.140340	mg/L	0.0011309	0.81%
Li 670.784 Rt	7335.3	0.084716	mg/L	0.0000281	0.084716	mg/L	0.0000281	0.03%
Mg 279.077 Rt	103884.9	194.219	mg/L	0.2447	194.219	mg/L	0.2447	0.13%
Mn 260.568 Rt	158736.8	11.6597	mg/L	0.00962	11.6597	mg/L	0.00962	0.08%
Mo 202.031 At	408.9	0.021269	mg/L	0.0001707	0.021269	mg/L	0.0001707	0.80%
Na 589.592 Rt	28661.2	3.68177	mg/L	0.007194	3.68177	mg/L	0.007194	0.20%
Ni 232.003 At	14060.1	1.44929	mg/L	0.008181	1.44929	mg/L	0.008181	0.56%
P 213.617 At	3153.1	1.54601	mg/L	0.005633	1.54601	mg/L	0.005633	0.36%
Pb 220.353 At	7477.7	1.81189	mg/L	0.006747	1.81189	mg/L	0.006747	0.37%
Sb 206.836 At	254.9	0.109658	mg/L	0.0042846	0.109658	mg/L	0.0042846	3.91%
Sc 361.383 At	19253.7	0.015100	mg/L	0.0001207	0.015100	mg/L	0.0001207	0.80%
Se 196.026 At	49.2	0.075049	mg/L	0.0012723	0.075049	mg/L	0.0012723	1.70%
Si 251.611 Rt	53964.4	38.1074	mg/L	0.05612	38.1074	mg/L	0.05612	0.15%
SIO2 251.611 Rt	53964.4	81.5499	mg/L	0.12010	81.5499	mg/L	0.12010	0.15%
Sn 189.927 At	2287.9	0.826676	mg/L	0.0052536	0.826676	mg/L	0.0052536	0.64%
Sr 421.552 Rt	512559.8	0.703589	mg/L	0.0008909	0.703589	mg/L	0.0008909	0.13%
Ti 336.121 At	660068.8	2.38326	mg/L	0.007811	2.38326	mg/L	0.007811	0.33%
Tl 190.801 At	46.7	0.100582	mg/L	0.0038418	0.100582	mg/L	0.0038418	3.82%
V 292.402 At	120186.1	1.27985	mg/L	0.008833	1.27985	mg/L	0.008833	0.69%
Zn 206.200 At	36430.8	3.27434	mg/L	0.024238	3.27434	mg/L	0.024238	0.74%

Matrix Recovery Check: ME2QR8S

Analyte	Expected Conc.	Measured Conc.	Std. Dev.	Units	Recovery (%)
Be 313.107 R	0.109335	0.122544	0.000	mg/L	113.2
Mn 260.568 R	9.47002	11.6597	0.010	mg/L	319.0
Ag 328.068 A	0.104577	0.117994	0.001	mg/L	113.4
As 188.979 A	0.106747	0.116959	0.004	mg/L	112.8
Ba 233.527 A	4.90279	5.06742	0.044	mg/L	104.1
Cd 226.502 A	0.097068	0.094354	0.000	mg/L	97.3
Co 228.616 A	1.03191	1.03652	0.008	mg/L	100.5
Cr 267.716 A	1.47279	2.25222	0.015	mg/L	294.9
Cu 324.752 A	1.78594	2.42997	0.001	mg/L	228.8
Ni 232.003 A	1.26760	1.44929	0.008	mg/L	118.2
Pb 220.353 A	1.69770	1.81189	0.007	mg/L	385.5

Method: ILMO5 OPT5 Page 18 Date: 5/20/2009 4:47:21 PM

Sb 206.836 A	0.211258	0.109658	0.004	mg/L	49.2
Se 196.026 A	0.093939	0.075049	0.001	mg/L	81.1
Tl 190.801 A	0.103103	0.100582	0.004	mg/L	97.5
V 292.402 A	1.15829	1.27985	0.009	mg/L	112.2
Zn 206.200 A	3.04258	3.27434	0.024	mg/L	123.2

Method: ILMO5 OPT5 Page 19 Date: 5/20/2009 4:53:07 PM

Sequence No.: 9
Sample ID: ME2QR9
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 5/20/2009 4:49:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QR9

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	173556.3	173556.3	93.7210	%			16:50:55
1	Al 308.215 Rt	48041.2	51206.2	51.7062	mg/L	51.7062	mg/L	16:51:05
1	B 249.677 Rt	333.2	350.3	0.191577	mg/L	0.191577	mg/L	16:51:05
1	Be 313.107 Rt	856.6	823.0	0.006351	mg/L	0.006351	mg/L	16:51:05
1	Ca 315.887 Rt	106860.8	114098.6	30.6159	mg/L	30.6159	mg/L	16:50:55
1	Fe 273.955 Rt	893999.6	953877.3	1057.00	mg/L	1057.00	mg/L	16:50:55
1	K 766.490 Rt	37377.0	39555.0	15.3249	mg/L	15.3249	mg/L	16:51:05
1	Li 670.784 Rt	3271.3	3394.7	0.039206	mg/L	0.039206	mg/L	16:51:05
1	Mg 279.077 Rt	10886.2	11619.5	21.7234	mg/L	21.7234	mg/L	16:51:05
1	Mn 260.568 Rt	135457.5	144530.8	10.5650	mg/L	10.5650	mg/L	16:50:55
1	Na 589.592 Rt	56048.0	59735.4	7.67350	mg/L	7.67350	mg/L	16:50:55
1	Si 251.611 Rt	14855.8	15768.4	11.1261	mg/L	11.1261	mg/L	16:51:05
1	SIO2 251.611 Rt	14855.8	15768.4	23.8099	mg/L	23.8099	mg/L	16:51:05
1	Sr 421.552 Rt	170316.1	181563.3	0.249231	mg/L	0.249231	mg/L	16:50:55
1	Lu 261.542 A	2529685.1	2529685.1	92.0515	%			16:51:44
1	Ag 328.068 At	627.9	1049.4	0.049896	mg/L	0.049896	mg/L	16:51:57
1	As 188.979 At	186.2	214.9	0.193816	mg/L	0.193816	mg/L	16:52:17
1	Ba 233.527 At	37344.0	40630.9	0.915161	mg/L	0.915161	mg/L	16:51:57
1	Bi 222.821 At	673.0	688.7	-0.281990	mg/L	-0.281990	mg/L	16:51:57
1	Cd 226.502 At	8584.9	9387.1	-0.031454	mg/L	-0.031454	mg/L	16:51:57
1	Co 228.616 At	952.0	1142.2	0.056892	mg/L	0.056892	mg/L	16:52:17
1	Cr 267.716 At	296251.8	321655.2	7.37689	mg/L	7.37689	mg/L	16:51:57
1	Cu 324.752 At	304144.9	326291.3	1.82732	mg/L	1.82732	mg/L	16:51:57
1	Ga 417.206 At	22413.8	24444.5	0.074769	mg/L	0.074769	mg/L	16:51:57
1	La 379.478 At	55018.5	60263.2	0.267287	mg/L	0.267287	mg/L	16:51:57
1	Mo 202.031 At	719.9	744.3	0.095426	mg/L	0.095426	mg/L	16:51:57
1	Ni 232.003 At	-850.3	-832.4	0.740572	mg/L	0.740572	mg/L	16:51:57
1	P 213.617 At	33874.2	36876.6	18.2223	mg/L	18.2223	mg/L	16:51:57
1	Pb 220.353 At	29899.2	32440.8	7.81703	mg/L	7.81703	mg/L	16:51:57
1	Sb 206.836 At	244.3	277.9	0.047100	mg/L	0.047100	mg/L	16:52:17
1	Sc 361.383 At	8658.2	9413.8	0.007383	mg/L	0.007383	mg/L	16:51:57
1	Se 196.026 At	-90.5	-67.2	0.009006	mg/L	0.009006	mg/L	16:52:17
1	Sn 189.927 At	12120.5	13204.7	4.77123	mg/L	4.77123	mg/L	16:52:17
1	Ti 336.121 At	342831.7	373176.8	1.35158	mg/L	1.35158	mg/L	16:51:57
1	Tl 190.801 At	-67.0	-62.0	0.008150	mg/L	0.008150	mg/L	16:52:17
1	V 292.402 At	23210.7	25687.1	0.218864	mg/L	0.218864	mg/L	16:51:57
1	Zn 206.200 At	285180.8	309783.5	27.8485	mg/L	27.8485	mg/L	16:51:57
2	Lu 261.542 R	170875.3	170875.3	92.2733	%			16:51:16
2	Al 308.215 Rt	47622.5	51556.7	52.0603	mg/L	52.0603	mg/L	16:51:27
2	B 249.677 Rt	309.4	330.2	0.181021	mg/L	0.181021	mg/L	16:51:27
2	Be 313.107 Rt	843.7	823.4	0.006346	mg/L	0.006346	mg/L	16:51:27
2	Ca 315.887 Rt	105799.9	114737.8	30.7875	mg/L	30.7875	mg/L	16:51:16
2	Fe 273.955 Rt	884486.7	958534.1	1062.17	mg/L	1062.17	mg/L	16:51:16
2	K 766.490 Rt	36993.7	39765.3	15.4064	mg/L	15.4064	mg/L	16:51:27
2	Li 670.784 Rt	3260.2	3437.4	0.039698	mg/L	0.039698	mg/L	16:51:27
2	Mg 279.077 Rt	10815.8	11725.4	21.9213	mg/L	21.9213	mg/L	16:51:27
2	Mn 260.568 Rt	134085.0	145311.1	10.6220	mg/L	10.6220	mg/L	16:51:16
2	Na 589.592 Rt	55832.2	60439.7	7.76398	mg/L	7.76398	mg/L	16:51:16
2	Si 251.611 Rt	14750.7	15903.2	11.2217	mg/L	11.2217	mg/L	16:51:27
2	SIO2 251.611 Rt	14750.7	15903.2	24.0145	mg/L	24.0145	mg/L	16:51:27
2	Sr 421.552 Rt	168193.6	182114.4	0.249988	mg/L	0.249988	mg/L	16:51:16
2	Lu 261.542 A	2560180.5	2560180.5	93.1612	%			16:52:32
2	Ag 328.068 At	659.3	1075.0	0.050286	mg/L	0.050286	mg/L	16:52:46
2	As 188.979 At	185.8	212.1	0.191083	mg/L	0.191083	mg/L	16:53:06
2	Ba 233.527 At	37086.6	39871.4	0.898053	mg/L	0.898053	mg/L	16:52:46
2	Bi 222.821 At	640.8	645.4	-0.324399	mg/L	-0.324399	mg/L	16:52:46
2	Cd 226.502 At	8562.4	9251.9	-0.036367	mg/L	-0.036367	mg/L	16:52:46
2	Co 228.616 At	955.0	1133.1	0.056463	mg/L	0.056463	mg/L	16:53:06
2	Cr 267.716 At	295373.6	316879.1	7.26733	mg/L	7.26733	mg/L	16:52:46
2	Cu 324.752 At	302313.4	320389.7	1.79424	mg/L	1.79424	mg/L	16:52:46

Method: ILMO5 OPT5 Page 20 Date: 5/20/2009 4:53:09 PM

2	Ga 417.206 At	22326.1	24060.3	0.068625 mg/L	0.068625 mg/L	16:52:46
2	La 379.478 At	55642.3	60220.8	0.267099 mg/L	0.267099 mg/L	16:52:46
2	Mo 202.031 At	690.9	703.8	0.090817 mg/L	0.090817 mg/L	16:52:46
2	Ni 232.003 At	-808.7	-776.7	0.754389 mg/L	0.754389 mg/L	16:52:46
2	P 213.617 At	33713.5	36265.8	17.9287 mg/L	17.9287 mg/L	16:52:46
2	Pb 220.353 At	29831.3	31981.1	7.70494 mg/L	7.70494 mg/L	16:52:46
2	Sb 206.836 At	248.3	279.0	0.048477 mg/L	0.048477 mg/L	16:53:06
2	Sc 361.383 At	8641.9	9284.2	0.007281 mg/L	0.007281 mg/L	16:52:46
2	Se 196.026 At	-91.3	-66.9	0.010108 mg/L	0.010108 mg/L	16:53:06
2	Sn 189.927 At	12147.0	13076.3	4.72483 mg/L	4.72483 mg/L	16:53:06
2	Ti 336.121 At	341508.8	367320.6	1.33035 mg/L	1.33035 mg/L	16:52:46
2	Tl 190.801 At	-62.8	-56.7	0.015593 mg/L	0.015593 mg/L	16:53:06
2	V 292.402 At	23073.7	25239.7	0.213502 mg/L	0.213502 mg/L	16:52:46
2	Zn 206.200 At	283350.8	304128.9	27.3402 mg/L	27.3402 mg/L	16:52:46

Mean Data: ME2QR9

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	172215.8	92.9971	%	1.02371				1.10%
Lu 261.542 A	2544932.8	92.6064	%	0.78466				0.85%
Ag 328.068 At	1062.2	0.050091	mg/L	0.0002761	0.050091	mg/L	0.0002761	0.55%
Al 308.215 Rt	51381.4	51.8832	mg/L	0.25040	51.8832	mg/L	0.25040	0.48%
As 188.979 At	213.5	0.192449	mg/L	0.0019326	0.192449	mg/L	0.0019326	1.00%
B 249.677 Rt	340.2	0.186299	mg/L	0.0074643	0.186299	mg/L	0.0074643	4.01%
Ba 233.527 At	40251.2	0.906607	mg/L	0.0120972	0.906607	mg/L	0.0120972	1.33%
Be 313.107 Rt	823.2	0.006348	mg/L	0.0000038	0.006348	mg/L	0.0000038	0.06%
Bi 222.821 At	667.0	-0.303194	mg/L	0.0299875	-0.303194	mg/L	0.0299875	9.89%
Ca 315.887 Rt	114418.2	30.7017	mg/L	0.12129	30.7017	mg/L	0.12129	0.40%
Cd 226.502 At	9319.5	-0.033911	mg/L	0.0034744	-0.033911	mg/L	0.0034744	10.25%
Co 228.616 At	1137.7	0.056678	mg/L	0.0003033	0.056678	mg/L	0.0003033	0.54%
Cr 267.716 At	319267.1	7.32211	mg/L	0.077466	7.32211	mg/L	0.077466	1.06%
Cu 324.752 At	323340.5	1.81078	mg/L	0.023396	1.81078	mg/L	0.023396	1.29%
Fe 273.955 Rt	956205.7	1059.58	mg/L	3.649	1059.58	mg/L	3.649	0.34%
Ga 417.206 At	24252.4	0.071697	mg/L	0.0043444	0.071697	mg/L	0.0043444	6.06%
K 766.490 Rt	39660.2	15.3656	mg/L	0.05761	15.3656	mg/L	0.05761	0.37%
La 379.478 At	60242.0	0.267193	mg/L	0.0001330	0.267193	mg/L	0.0001330	0.05%
Li 670.784 Rt	3416.0	0.039452	mg/L	0.0003483	0.039452	mg/L	0.0003483	0.88%
Mg 279.077 Rt	11672.5	21.8224	mg/L	0.13998	21.8224	mg/L	0.13998	0.64%
Mn 260.568 Rt	144920.9	10.5935	mg/L	0.04036	10.5935	mg/L	0.04036	0.38%
Mo 202.031 At	724.0	0.093122	mg/L	0.0032586	0.093122	mg/L	0.0032586	3.50%
Na 589.592 Rt	60087.5	7.71874	mg/L	0.063979	7.71874	mg/L	0.063979	0.83%
Ni 232.003 At	-804.5	0.747480	mg/L	0.0097702	0.747480	mg/L	0.0097702	1.31%
P 213.617 At	36571.2	18.0755	mg/L	0.20764	18.0755	mg/L	0.20764	1.15%
Pb 220.353 At	32210.9	7.76098	mg/L	0.079261	7.76098	mg/L	0.079261	1.02%
Sb 206.836 At	278.4	0.047789	mg/L	0.0009737	0.047789	mg/L	0.0009737	2.04%
Sc 361.383 At	9349.0	0.007332	mg/L	0.0000719	0.007332	mg/L	0.0000719	0.98%
Se 196.026 At	-67.0	0.009557	mg/L	0.0007798	0.009557	mg/L	0.0007798	8.16%
Si 251.611 Rt	15835.8	11.1739	mg/L	0.06761	11.1739	mg/L	0.06761	0.61%
SIO2 251.611 Rt	15835.8	23.9122	mg/L	0.14468	23.9122	mg/L	0.14468	0.61%
Sn 189.927 At	13140.5	4.74803	mg/L	0.032809	4.74803	mg/L	0.032809	0.69%
Sr 421.552 Rt	181838.9	0.249609	mg/L	0.0005349	0.249609	mg/L	0.0005349	0.21%
Ti 336.121 At	370248.7	1.34096	mg/L	0.015010	1.34096	mg/L	0.015010	1.12%
Tl 190.801 At	-59.4	0.011872	mg/L	0.0052632	0.011872	mg/L	0.0052632	44.33%
V 292.402 At	25463.4	0.216183	mg/L	0.0037917	0.216183	mg/L	0.0037917	1.75%
Zn 206.200 At	306956.2	27.5944	mg/L	0.35944	27.5944	mg/L	0.35944	1.30%

Sequence No.: 10
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 4:54:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	183958.7	183958.7	99.3384	%			16:56:44
1	Al 308.215 Rt	2081.6	2041.9	2.00390	mg/L	2.00390	mg/L	16:57:05
1	B 249.677 Rt	3901.3	3922.1	2.02481	mg/L	2.02481	mg/L	16:57:05
1	Be 313.107 Rt	286533.8	288351.3	2.03106	mg/L	2.03106	mg/L	16:56:44
1	Ca 315.887 Rt	76068.3	76653.4	20.5683	mg/L	20.5683	mg/L	16:56:44
1	Fe 273.955 Rt	9139.4	9183.0	10.1671	mg/L	10.1671	mg/L	16:57:05
1	K 766.490 Rt	51818.1	51837.2	20.0834	mg/L	20.0834	mg/L	16:56:44
1	Li 670.784 Rt	158.7	64.0	0.000739	mg/L	0.000739	mg/L	16:57:05
1	Mg 279.077 Rt	10839.1	10915.3	20.4068	mg/L	20.4068	mg/L	16:57:05
1	Mn 260.568 Rt	27146.7	27325.6	2.00769	mg/L	2.00769	mg/L	16:57:05
1	Na 589.592 Rt	155371.6	156338.7	20.0830	mg/L	20.0830	mg/L	16:56:44
1	Si 251.611 Rt	1681.9	1610.4	1.08249	mg/L	1.08249	mg/L	16:57:05
1	SIO2 251.611 Rt	1681.9	1610.4	2.31654	mg/L	2.31654	mg/L	16:57:05
1	Sr 421.552 Rt	1118.1	962.2	0.001321	mg/L	0.001321	mg/L	16:57:05
1	Lu 261.542 A	2766661.2	2766661.2	100.675	%			16:57:51
1	Ag 328.068 At	305632.4	303951.3	1.99707	mg/L	1.99707	mg/L	16:58:01
1	As 188.979 At	2105.2	2103.8	2.02233	mg/L	2.02233	mg/L	16:58:22
1	Ba 233.527 At	90392.8	89849.4	2.02374	mg/L	2.02374	mg/L	16:58:01
1	Bi 222.821 At	83.0	40.0	-0.003414	mg/L	-0.003414	mg/L	16:58:22
1	Cd 226.502 At	77175.8	76719.5	2.02030	mg/L	2.02030	mg/L	16:58:01
1	Co 228.616 At	38423.2	38273.7	2.00814	mg/L	2.00814	mg/L	16:58:01
1	Cr 267.716 At	88979.8	88206.0	2.02283	mg/L	2.02283	mg/L	16:58:01
1	Cu 324.752 At	364115.0	357558.6	2.00444	mg/L	2.00444	mg/L	16:57:51
1	Ga 417.206 At	952.2	1041.1	0.003413	mg/L	0.003413	mg/L	16:58:01
1	La 379.478 At	1075.8	1562.5	0.006930	mg/L	0.006930	mg/L	16:58:01
1	Mo 202.031 At	18087.6	17928.7	2.05530	mg/L	2.05530	mg/L	16:58:01
1	Ni 232.003 At	21839.3	21784.3	2.00300	mg/L	2.00300	mg/L	16:58:01
1	P 213.617 At	-18.8	58.8	-0.001591	mg/L	-0.001591	mg/L	16:58:22
1	Pb 220.353 At	8333.5	8237.6	2.00217	mg/L	2.00217	mg/L	16:58:22
1	Sb 206.836 At	3918.5	3904.7	2.04104	mg/L	2.04104	mg/L	16:58:22
1	Sc 361.383 At	-98.4	-89.8	-0.000070	mg/L	-0.000070	mg/L	16:58:22
1	Se 196.026 At	1157.9	1181.2	2.02274	mg/L	2.02274	mg/L	16:58:22
1	Sn 189.927 At	-39.6	-1.8	-0.000639	mg/L	-0.000639	mg/L	16:58:22
1	Ti 336.121 At	560768.6	557752.6	2.02055	mg/L	2.02055	mg/L	16:57:51
1	Tl 190.801 At	1559.7	1559.9	2.01823	mg/L	2.01823	mg/L	16:58:22
1	V 292.402 At	188159.5	187370.6	2.02462	mg/L	2.02462	mg/L	16:58:01
1	Zn 206.200 At	22829.6	22654.4	2.02865	mg/L	2.02865	mg/L	16:58:01
2	Lu 261.542 R	186147.8	186147.8	100.520	%			16:57:16
2	Al 308.215 Rt	2099.7	2035.2	1.99691	mg/L	1.99691	mg/L	16:57:36
2	B 249.677 Rt	3929.3	3903.8	2.01532	mg/L	2.01532	mg/L	16:57:36
2	Be 313.107 Rt	290814.2	289217.5	2.03716	mg/L	2.03716	mg/L	16:57:16
2	Ca 315.887 Rt	76475.0	76157.5	20.4353	mg/L	20.4353	mg/L	16:57:16
2	Fe 273.955 Rt	9171.4	9106.6	10.0825	mg/L	10.0825	mg/L	16:57:36
2	K 766.490 Rt	52460.7	51862.9	20.0934	mg/L	20.0934	mg/L	16:57:16
2	Li 670.784 Rt	168.8	72.1	0.000833	mg/L	0.000833	mg/L	16:57:36
2	Mg 279.077 Rt	10851.6	10799.4	20.1902	mg/L	20.1902	mg/L	16:57:36
2	Mn 260.568 Rt	27285.2	27142.0	1.99419	mg/L	1.99419	mg/L	16:57:36
2	Na 589.592 Rt	157911.2	157025.8	20.1713	mg/L	20.1713	mg/L	16:57:16
2	Si 251.611 Rt	1675.1	1583.7	1.06348	mg/L	1.06348	mg/L	16:57:36
2	SIO2 251.611 Rt	1675.1	1583.7	2.27584	mg/L	2.27584	mg/L	16:57:36
2	Sr 421.552 Rt	1123.6	954.5	0.001310	mg/L	0.001310	mg/L	16:57:36
2	Lu 261.542 A	2765467.8	2765467.8	100.631	%			16:58:34
2	Ag 328.068 At	306952.5	305394.2	2.00655	mg/L	2.00655	mg/L	16:58:45
2	As 188.979 At	2112.0	2111.4	2.02963	mg/L	2.02963	mg/L	16:59:05
2	Ba 233.527 At	90692.0	90185.4	2.03131	mg/L	2.03131	mg/L	16:58:45
2	Bi 222.821 At	93.5	50.4	0.006505	mg/L	0.006505	mg/L	16:59:05
2	Cd 226.502 At	77542.3	77116.8	2.03079	mg/L	2.03079	mg/L	16:58:45
2	Co 228.616 At	38600.2	38466.1	2.01826	mg/L	2.01826	mg/L	16:58:45
2	Cr 267.716 At	89301.5	88563.8	2.03104	mg/L	2.03104	mg/L	16:58:45
2	Cu 324.752 At	365364.2	358956.1	2.01227	mg/L	2.01227	mg/L	16:58:34

2	Ga 417.206 At	925.1	1014.7	0.003085 mg/L	0.003085 mg/L	16:58:45
2	La 379.478 At	1075.0	1562.2	0.006929 mg/L	0.006929 mg/L	16:58:45
2	Mo 202.031 At	18170.9	18019.1	2.06569 mg/L	2.06569 mg/L	16:58:45
2	Ni 232.003 At	21939.0	21892.7	2.01285 mg/L	2.01285 mg/L	16:58:45
2	P 213.617 At	-20.1	57.5	-0.002467 mg/L	-0.002467 mg/L	16:59:05
2	Pb 220.353 At	8324.8	8232.5	2.00095 mg/L	2.00095 mg/L	16:59:05
2	Sb 206.836 At	3920.6	3908.5	2.04302 mg/L	2.04302 mg/L	16:59:05
2	Sc 361.383 At	-89.4	-80.9	-0.000063 mg/L	-0.000063 mg/L	16:59:05
2	Se 196.026 At	1148.5	1172.4	2.00770 mg/L	2.00770 mg/L	16:59:05
2	Sn 189.927 At	-41.3	-3.4	-0.001238 mg/L	-0.001238 mg/L	16:59:05
2	Ti 336.121 At	560538.7	557764.5	2.02059 mg/L	2.02059 mg/L	16:58:34
2	Tl 190.801 At	1559.8	1560.8	2.01928 mg/L	2.01928 mg/L	16:59:05
2	V 292.402 At	188884.6	188171.9	2.03330 mg/L	2.03330 mg/L	16:58:45
2	Zn 206.200 At	22835.6	22670.2	2.03007 mg/L	2.03007 mg/L	16:58:45

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	185053.3	99.9294	%	0.83588				0.84%
Lu 261.542 A	2766064.5	100.653	%	0.0307				0.03%
Ag 328.068 At	304672.8	2.00181	mg/L	0.006706	2.00181	mg/L	0.006706	0.33%
QC value within limits for Ag 328.068 A Recovery = 100.09%								
Al 308.215 Rt	2038.5	2.00040	mg/L	0.004944	2.00040	mg/L	0.004944	0.25%
QC value within limits for Al 308.215 R Recovery = 100.02%								
As 188.979 At	2107.6	2.02598	mg/L	0.005165	2.02598	mg/L	0.005165	0.25%
QC value within limits for As 188.979 A Recovery = 101.30%								
B 249.677 Rt	3912.9	2.02006	mg/L	0.006707	2.02006	mg/L	0.006707	0.33%
Ba 233.527 At	90017.4	2.02753	mg/L	0.005351	2.02753	mg/L	0.005351	0.26%
QC value within limits for Ba 233.527 A Recovery = 101.38%								
Be 313.107 Rt	288784.4	2.03411	mg/L	0.004315	2.03411	mg/L	0.004315	0.21%
QC value within limits for Be 313.107 R Recovery = 101.71%								
Bi 222.821 At	45.2	0.001546	mg/L	0.0070138	0.001546	mg/L	0.0070138	453.70%
Ca 315.887 Rt	76405.4	20.5018	mg/L	0.09409	20.5018	mg/L	0.09409	0.46%
QC value within limits for Ca 315.887 R Recovery = 102.51%								
Cd 226.502 At	76918.2	2.02554	mg/L	0.007424	2.02554	mg/L	0.007424	0.37%
QC value within limits for Cd 226.502 A Recovery = 101.28%								
Co 228.616 At	38369.9	2.01320	mg/L	0.007152	2.01320	mg/L	0.007152	0.36%
QC value within limits for Co 228.616 A Recovery = 100.66%								
Cr 267.716 At	88384.9	2.02694	mg/L	0.005805	2.02694	mg/L	0.005805	0.29%
QC value within limits for Cr 267.716 A Recovery = 101.35%								
Cu 324.752 At	358257.3	2.00835	mg/L	0.005540	2.00835	mg/L	0.005540	0.28%
QC value within limits for Cu 324.752 A Recovery = 100.42%								
Fe 273.955 Rt	9144.8	10.1248	mg/L	0.05985	10.1248	mg/L	0.05985	0.59%
QC value within limits for Fe 273.955 R Recovery = 101.25%								
Ga 417.206 At	1027.9	0.003249	mg/L	0.0002324	0.003249	mg/L	0.0002324	7.15%
K 766.490 Rt	51850.1	20.0884	mg/L	0.00706	20.0884	mg/L	0.00706	0.04%
QC value within limits for K 766.490 R Recovery = 100.44%								
La 379.478 At	1562.3	0.006929	mg/L	0.0000010	0.006929	mg/L	0.0000010	0.02%
Li 670.784 Rt	68.0	0.000786	mg/L	0.0000666	0.000786	mg/L	0.0000666	8.47%
Mg 279.077 Rt	10857.4	20.2985	mg/L	0.15319	20.2985	mg/L	0.15319	0.75%
QC value within limits for Mg 279.077 R Recovery = 101.49%								
Mn 260.568 Rt	27233.8	2.00094	mg/L	0.009546	2.00094	mg/L	0.009546	0.48%
QC value within limits for Mn 260.568 R Recovery = 100.05%								
Mo 202.031 At	17973.9	2.06050	mg/L	0.007346	2.06050	mg/L	0.007346	0.36%
Na 589.592 Rt	156682.3	20.1271	mg/L	0.06241	20.1271	mg/L	0.06241	0.31%
QC value within limits for Na 589.592 R Recovery = 100.64%								
Ni 232.003 At	21838.5	2.00793	mg/L	0.006965	2.00793	mg/L	0.006965	0.35%
QC value within limits for Ni 232.003 A Recovery = 100.40%								
P 213.617 At	58.1	-0.002029	mg/L	0.0006190	-0.002029	mg/L	0.0006190	30.51%
Pb 220.353 At	8235.0	2.00156	mg/L	0.000866	2.00156	mg/L	0.000866	0.04%
QC value within limits for Pb 220.353 A Recovery = 100.08%								
Sb 206.836 At	3906.6	2.04203	mg/L	0.001400	2.04203	mg/L	0.001400	0.07%
QC value within limits for Sb 206.836 A Recovery = 102.10%								
Sc 361.383 At	-85.4	-0.000067	mg/L	0.0000050	-0.000067	mg/L	0.0000050	7.40%
Se 196.026 At	1176.8	2.01522	mg/L	0.010635	2.01522	mg/L	0.010635	0.53%
QC value within limits for Se 196.026 A Recovery = 100.76%								
Si 251.611 Rt	1597.1	1.07299	mg/L	0.013447	1.07299	mg/L	0.013447	1.25%
SIO2 251.611 Rt	1597.1	2.29619	mg/L	0.028777	2.29619	mg/L	0.028777	1.25%
Sn 189.927 At	-2.6	-0.000939	mg/L	0.0004232	-0.000939	mg/L	0.0004232	45.09%
Sr 421.552 Rt	958.3	0.001315	mg/L	0.0000075	0.001315	mg/L	0.0000075	0.57%
Ti 336.121 At	557758.5	2.02057	mg/L	0.000034	2.02057	mg/L	0.000034	0.00%

Tl 190.801 At	1560.4	2.01876 mg/L	0.000744	2.01876 mg/L	0.000744	0.04%
QC value within limits for Tl 190.801 A Recovery = 100.94%						
V 292.402 At	187771.3	2.02896 mg/L	0.006139	2.02896 mg/L	0.006139	0.30%
QC value within limits for V 292.402 A Recovery = 101.45%						
Zn 206.200 At	22662.3	2.02936 mg/L	0.001000	2.02936 mg/L	0.001000	0.05%
QC value within limits for Zn 206.200 A Recovery = 101.47%						

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 5:00:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	185644.2	185644.2	100.249	%			17:02:41
1	Al 308.215 Rt	52.1	-1.7	-0.001710	mg/L	-0.001710	mg/L	17:03:01
1	B 249.677 Rt	10.5	5.2	0.002709	mg/L	0.002709	mg/L	17:03:01
1	Be 313.107 Rt	105.1	13.8	0.000098	mg/L	0.000098	mg/L	17:03:01
1	Ca 315.887 Rt	-68.8	9.8	0.002617	mg/L	0.002617	mg/L	17:03:01
1	Fe 273.955 Rt	21.2	3.8	0.004276	mg/L	0.004276	mg/L	17:03:01
1	K 766.490 Rt	343.1	16.2	0.006262	mg/L	0.006262	mg/L	17:02:41
1	Li 670.784 Rt	120.7	24.6	0.000284	mg/L	0.000284	mg/L	17:02:41
1	Mg 279.077 Rt	-1.9	2.1	0.003850	mg/L	0.003850	mg/L	17:03:01
1	Mn 260.568 Rt	4.6	2.7	0.000195	mg/L	0.000195	mg/L	17:03:01
1	Na 589.592 Rt	65.7	-2.2	-0.000280	mg/L	-0.000280	mg/L	17:02:41
1	Si 251.611 Rt	46.8	-36.0	-0.025488	mg/L	-0.025488	mg/L	17:03:01
1	SIO2 251.611 Rt	46.8	-36.0	-0.054545	mg/L	-0.054545	mg/L	17:03:01
1	Sr 421.552 Rt	179.4	15.6	0.000021	mg/L	0.000021	mg/L	17:02:41
1	Lu 261.542 A	2800862.2	2800862.2	101.919	%			17:03:45
1	Ag 328.068 At	-332.7	40.9	0.000267	mg/L	0.000267	mg/L	17:03:55
1	As 188.979 At	-11.9	1.0	0.000941	mg/L	0.000941	mg/L	17:04:15
1	Ba 233.527 At	-57.3	6.2	0.000139	mg/L	0.000139	mg/L	17:04:15
1	Bi 222.821 At	42.1	-1.1	-0.001041	mg/L	-0.001041	mg/L	17:04:15
1	Cd 226.502 At	-66.0	-3.8	-0.000103	mg/L	-0.000103	mg/L	17:04:15
1	Co 228.616 At	-106.0	4.0	0.000212	mg/L	0.000212	mg/L	17:04:15
1	Cr 267.716 At	179.7	-1.2	-0.000026	mg/L	-0.000026	mg/L	17:04:15
1	Cu 324.752 At	4374.3	175.9	0.000986	mg/L	0.000986	mg/L	17:03:55
1	Ga 417.206 At	-80.1	16.7	0.000218	mg/L	0.000218	mg/L	17:03:55
1	La 379.478 At	-493.0	10.2	0.000045	mg/L	0.000045	mg/L	17:03:55
1	Mo 202.031 At	49.2	10.5	0.001220	mg/L	0.001220	mg/L	17:04:15
1	Ni 232.003 At	-100.3	-7.1	-0.000668	mg/L	-0.000668	mg/L	17:04:15
1	P 213.617 At	-74.4	4.4	0.002118	mg/L	0.002118	mg/L	17:04:15
1	Pb 220.353 At	35.3	-5.5	-0.001337	mg/L	-0.001337	mg/L	17:04:15
1	Sb 206.836 At	-12.0	0.7	0.000357	mg/L	0.000357	mg/L	17:04:15
1	Sc 361.383 At	3.8	11.6	0.000009	mg/L	0.000009	mg/L	17:03:55
1	Se 196.026 At	-27.9	3.8	0.006466	mg/L	0.006466	mg/L	17:04:15
1	Sn 189.927 At	-35.9	2.4	0.000868	mg/L	0.000868	mg/L	17:04:15
1	Ti 336.121 At	-690.9	64.4	0.000233	mg/L	0.000233	mg/L	17:03:55
1	Tl 190.801 At	-12.0	-1.0	-0.001282	mg/L	-0.001282	mg/L	17:04:15
1	V 292.402 At	-462.3	18.7	0.000208	mg/L	0.000208	mg/L	17:03:55
1	Zn 206.200 At	31.7	8.9	0.000792	mg/L	0.000792	mg/L	17:04:15
2	Lu 261.542 R	187772.2	187772.2	101.398	%			17:03:11
2	Al 308.215 Rt	53.5	-0.9	-0.000905	mg/L	-0.000905	mg/L	17:03:32
2	B 249.677 Rt	10.0	4.7	0.002418	mg/L	0.002418	mg/L	17:03:32
2	Be 313.107 Rt	99.6	7.3	0.000051	mg/L	0.000051	mg/L	17:03:32
2	Ca 315.887 Rt	-67.6	11.7	0.003151	mg/L	0.003151	mg/L	17:03:32
2	Fe 273.955 Rt	23.6	5.9	0.006585	mg/L	0.006585	mg/L	17:03:32
2	K 766.490 Rt	343.2	12.4	0.004785	mg/L	0.004785	mg/L	17:03:11
2	Li 670.784 Rt	121.1	23.6	0.000273	mg/L	0.000273	mg/L	17:03:11
2	Mg 279.077 Rt	-0.8	3.2	0.005959	mg/L	0.005959	mg/L	17:03:32
2	Mn 260.568 Rt	4.7	2.7	0.000199	mg/L	0.000199	mg/L	17:03:32
2	Na 589.592 Rt	76.2	7.4	0.000954	mg/L	0.000954	mg/L	17:03:11
2	Si 251.611 Rt	48.8	-34.6	-0.024443	mg/L	-0.024443	mg/L	17:03:32
2	SIO2 251.611 Rt	48.8	-34.6	-0.052307	mg/L	-0.052307	mg/L	17:03:32
2	Sr 421.552 Rt	160.4	-5.2	-0.000007	mg/L	-0.000007	mg/L	17:03:11
2	Lu 261.542 A	2809429.3	2809429.3	102.231	%			17:04:27
2	Ag 328.068 At	-362.0	13.2	0.000082	mg/L	0.000082	mg/L	17:04:37
2	As 188.979 At	-10.4	2.4	0.002350	mg/L	0.002350	mg/L	17:04:57
2	Ba 233.527 At	-60.3	3.4	0.000075	mg/L	0.000075	mg/L	17:04:57
2	Bi 222.821 At	39.9	-3.5	-0.003294	mg/L	-0.003294	mg/L	17:04:57
2	Cd 226.502 At	-57.0	5.2	0.000133	mg/L	0.000133	mg/L	17:04:57
2	Co 228.616 At	-108.9	1.6	0.000082	mg/L	0.000082	mg/L	17:04:57
2	Cr 267.716 At	178.2	-3.1	-0.000072	mg/L	-0.000072	mg/L	17:04:57
2	Cu 324.752 At	4396.0	184.1	0.001032	mg/L	0.001032	mg/L	17:04:37

Method: ILMO5 OPT5 Page 25 Date: 5/20/2009 5:04:59 PM

2	Ga 417.206 At	-119.4	-21.5	-0.000285 mg/L	-0.000285 mg/L	17:04:37
2	La 379.478 At	-495.5	9.2	0.000041 mg/L	0.000041 mg/L	17:04:37
2	Mo 202.031 At	47.6	8.8	0.001023 mg/L	0.001023 mg/L	17:04:57
2	Ni 232.003 At	-100.0	-6.5	-0.000605 mg/L	-0.000605 mg/L	17:04:57
2	P 213.617 At	-77.7	1.5	0.000688 mg/L	0.000688 mg/L	17:04:57
2	Pb 220.353 At	42.9	1.8	0.000444 mg/L	0.000444 mg/L	17:04:57
2	Sb 206.836 At	-12.1	0.6	0.000330 mg/L	0.000330 mg/L	17:04:57
2	Sc 361.383 At	24.4	31.8	0.000025 mg/L	0.000025 mg/L	17:04:37
2	Se 196.026 At	-35.0	-3.2	-0.005420 mg/L	-0.005420 mg/L	17:04:57
2	Sn 189.927 At	-38.9	-0.4	-0.000158 mg/L	-0.000158 mg/L	17:04:57
2	Ti 336.121 At	-712.9	44.9	0.000162 mg/L	0.000162 mg/L	17:04:37
2	Tl 190.801 At	-9.7	1.3	0.001621 mg/L	0.001621 mg/L	17:04:57
2	V 292.402 At	-474.7	7.9	0.000091 mg/L	0.000091 mg/L	17:04:37
2	Zn 206.200 At	31.9	8.9	0.000798 mg/L	0.000798 mg/L	17:04:57

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	186708.2	100.823	%	0.8126				0.81%
Lu 261.542 A	2805145.7	102.075	%	0.2204				0.22%
Ag 328.068 At	27.0	0.000174	mg/L	0.0001312	0.000174	mg/L	0.0001312	75.25%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	-1.3	-0.001308	mg/L	0.0005696	-0.001308	mg/L	0.0005696	43.56%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	1.7	0.001645	mg/L	0.0009962	0.001645	mg/L	0.0009962	60.55%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	5.0	0.002564	mg/L	0.0002058	0.002564	mg/L	0.0002058	8.03%
Ba 233.527 At	4.8	0.000107	mg/L	0.0000449	0.000107	mg/L	0.0000449	41.91%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	10.6	0.000074	mg/L	0.0000328	0.000074	mg/L	0.0000328	44.20%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	-2.3	-0.002167	mg/L	0.0015935	-0.002167	mg/L	0.0015935	73.52%
Ca 315.887 Rt	10.7	0.002884	mg/L	0.0003778	0.002884	mg/L	0.0003778	13.10%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	0.7	0.000015	mg/L	0.0001667	0.000015	mg/L	0.0001667	>999.9%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	2.8	0.000147	mg/L	0.0000923	0.000147	mg/L	0.0000923	62.82%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	-2.1	-0.000049	mg/L	0.0000322	-0.000049	mg/L	0.0000322	65.54%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	180.0	0.001009	mg/L	0.0000322	0.001009	mg/L	0.0000322	3.19%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	4.9	0.005430	mg/L	0.0016328	0.005430	mg/L	0.0016328	30.07%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-2.4	-0.000033	mg/L	0.0003558	-0.000033	mg/L	0.0003558	>999.9%
K 766.490 Rt	14.3	0.005524	mg/L	0.0010441	0.005524	mg/L	0.0010441	18.90%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	9.7	0.000043	mg/L	0.0000031	0.000043	mg/L	0.0000031	7.14%
Li 670.784 Rt	24.1	0.000278	mg/L	0.0000079	0.000278	mg/L	0.0000079	2.85%
Mg 279.077 Rt	2.6	0.004905	mg/L	0.0014909	0.004905	mg/L	0.0014909	30.40%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	2.7	0.000197	mg/L	0.0000026	0.000197	mg/L	0.0000026	1.33%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	9.7	0.001121	mg/L	0.0001396	0.001121	mg/L	0.0001396	12.45%
Na 589.592 Rt	2.6	0.000337	mg/L	0.0008729	0.000337	mg/L	0.0008729	258.89%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	-6.8	-0.000636	mg/L	0.0000443	-0.000636	mg/L	0.0000443	6.97%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	3.0	0.001403	mg/L	0.0010113	0.001403	mg/L	0.0010113	72.08%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	-1.8	-0.000447	mg/L	0.0012599	-0.000447	mg/L	0.0012599	282.09%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	0.6	0.000343	mg/L	0.0000191	0.000343	mg/L	0.0000191	5.56%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	21.7	0.000017	mg/L	0.0000112	0.000017	mg/L	0.0000112	65.73%
Se 196.026 At	0.3	0.000523	mg/L	0.0084044	0.000523	mg/L	0.0084044	>999.9%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-35.3	-0.024965	mg/L	0.0007394	-0.024965	mg/L	0.0007394	2.96%
SIO2 251.611 Rt	-35.3	-0.053426	mg/L	0.0015824	-0.053426	mg/L	0.0015824	2.96%
Sn 189.927 At	1.0	0.000355	mg/L	0.0007257	0.000355	mg/L	0.0007257	204.55%
Sr 421.552 Rt	5.2	0.000007	mg/L	0.0000202	0.000007	mg/L	0.0000202	282.14%

Ti 336.121 At	54.6	0.000198	mg/L	0.0000500	0.000198	mg/L	0.0000500 25.29%
Tl 190.801 At	0.1	0.000169	mg/L	0.0020527	0.000169	mg/L	0.0020527 >999.9%
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	13.3	0.000150	mg/L	0.0000826	0.000150	mg/L	0.0000826 55.15%
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	8.9	0.000795	mg/L	0.0000048	0.000795	mg/L	0.0000048 0.60%
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: ME2QS0
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 5/20/2009 5:06:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS0

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	173921.0	173921.0	93.9180	%			17:08:37
1	Al 308.215 Rt	30324.0	32234.1	32.5476	mg/L	32.5476	mg/L	17:08:37
1	B 249.677 Rt	109.5	111.4	0.071049	mg/L	0.071049	mg/L	17:08:57
1	Be 313.107 Rt	589.4	536.6	0.004542	mg/L	0.004542	mg/L	17:08:57
1	Ca 315.887 Rt	68778.7	73311.2	19.6715	mg/L	19.6715	mg/L	17:08:37
1	Fe 273.955 Rt	721105.4	767786.0	850.795	mg/L	850.795	mg/L	17:08:37
1	K 766.490 Rt	29472.8	31055.3	12.0318	mg/L	12.0318	mg/L	17:08:37
1	Li 670.784 Rt	1203.3	1185.4	0.013691	mg/L	0.013691	mg/L	17:08:57
1	Mg 279.077 Rt	4654.7	4960.1	9.27322	mg/L	9.27322	mg/L	17:08:57
1	Mn 260.568 Rt	47686.3	50772.6	3.68116	mg/L	3.68116	mg/L	17:08:37
1	Na 589.592 Rt	96404.4	102579.8	13.1772	mg/L	13.1772	mg/L	17:08:37
1	Si 251.611 Rt	13358.1	14140.5	9.97940	mg/L	9.97940	mg/L	17:08:57
1	SIO2 251.611 Rt	13358.1	14140.5	21.3559	mg/L	21.3559	mg/L	17:08:57
1	Sr 421.552 Rt	56549.0	60047.7	0.082427	mg/L	0.082427	mg/L	17:08:37
1	Lu 261.542 A	2558570.5	2558570.5	93.1026	%			17:09:45
1	Ag 328.068 At	-1814.7	-1581.9	0.024572	mg/L	0.024572	mg/L	17:09:56
1	As 188.979 At	295.5	330.0	0.303063	mg/L	0.303063	mg/L	17:10:16
1	Ba 233.527 At	16996.1	18317.6	0.412582	mg/L	0.412582	mg/L	17:09:56
1	Bi 222.821 At	566.9	566.4	-0.299146	mg/L	-0.299146	mg/L	17:09:56
1	Cd 226.502 At	7122.9	7711.6	-0.020716	mg/L	-0.020716	mg/L	17:09:56
1	Co 228.616 At	967.7	1147.4	0.057987	mg/L	0.057987	mg/L	17:10:16
1	Cr 267.716 At	378893.5	406785.9	9.33001	mg/L	9.33001	mg/L	17:09:56
1	Cu 324.752 At	405637.6	431572.7	2.41868	mg/L	2.41868	mg/L	17:09:45
1	Ga 417.206 At	15676.7	16933.4	0.024477	mg/L	0.024477	mg/L	17:09:56
1	La 379.478 At	40646.5	44151.7	0.195827	mg/L	0.195827	mg/L	17:09:45
1	Mo 202.031 At	945.5	977.8	0.119754	mg/L	0.119754	mg/L	17:09:56
1	Ni 232.003 At	4292.4	4701.7	0.988585	mg/L	0.988585	mg/L	17:09:56
1	P 213.617 At	13512.0	14590.5	7.31259	mg/L	7.31259	mg/L	17:09:56
1	Pb 220.353 At	23182.3	24859.6	5.98871	mg/L	5.98871	mg/L	17:09:56
1	Sb 206.836 At	338.3	375.8	0.088458	mg/L	0.088458	mg/L	17:10:16
1	Sc 361.383 At	7371.8	7925.8	0.006216	mg/L	0.006216	mg/L	17:09:56
1	Se 196.026 At	-92.3	-68.0	-0.012430	mg/L	-0.012430	mg/L	17:10:16
1	Sn 189.927 At	11480.4	12368.5	4.46908	mg/L	4.46908	mg/L	17:10:16
1	Ti 336.121 At	256929.1	276705.6	1.00234	mg/L	1.00234	mg/L	17:09:56
1	Tl 190.801 At	-35.6	-27.5	0.020311	mg/L	0.020311	mg/L	17:10:16
1	V 292.402 At	15744.1	17382.7	0.147582	mg/L	0.147582	mg/L	17:09:56
1	Zn 206.200 At	67823.4	72825.8	6.54619	mg/L	6.54619	mg/L	17:09:56
2	Lu 261.542 R	173064.7	173064.7	93.4555	%			17:09:09
2	Al 308.215 Rt	30244.7	32309.1	32.6232	mg/L	32.6232	mg/L	17:09:09
2	B 249.677 Rt	102.9	104.9	0.067685	mg/L	0.067685	mg/L	17:09:29
2	Be 313.107 Rt	576.9	526.4	0.004468	mg/L	0.004468	mg/L	17:09:29
2	Ca 315.887 Rt	68677.1	73564.8	19.7396	mg/L	19.7396	mg/L	17:09:09
2	Fe 273.955 Rt	718288.7	768571.4	851.665	mg/L	851.665	mg/L	17:09:09
2	K 766.490 Rt	29403.1	31136.0	12.0631	mg/L	12.0631	mg/L	17:09:09
2	Li 670.784 Rt	1257.7	1250.0	0.014436	mg/L	0.014436	mg/L	17:09:29
2	Mg 279.077 Rt	4640.7	4969.7	9.29114	mg/L	9.29114	mg/L	17:09:29
2	Mn 260.568 Rt	47555.2	50883.4	3.68926	mg/L	3.68926	mg/L	17:09:09
2	Na 589.592 Rt	96255.3	102928.1	13.2220	mg/L	13.2220	mg/L	17:09:09
2	Si 251.611 Rt	13388.1	14243.0	10.0519	mg/L	10.0519	mg/L	17:09:29
2	SIO2 251.611 Rt	13388.1	14243.0	21.5110	mg/L	21.5110	mg/L	17:09:29
2	Sr 421.552 Rt	56218.3	59991.8	0.082350	mg/L	0.082350	mg/L	17:09:09
2	Lu 261.542 A	2569611.9	2569611.9	93.5044	%			17:10:31
2	Ag 328.068 At	-1888.4	-1652.2	0.024141	mg/L	0.024141	mg/L	17:10:42
2	As 188.979 At	298.6	332.0	0.304956	mg/L	0.304956	mg/L	17:11:02
2	Ba 233.527 At	16999.2	18242.4	0.410888	mg/L	0.410888	mg/L	17:10:42
2	Bi 222.821 At	568.0	565.0	-0.300519	mg/L	-0.300519	mg/L	17:10:42
2	Cd 226.502 At	7137.7	7694.5	-0.021401	mg/L	-0.021401	mg/L	17:10:42
2	Co 228.616 At	970.3	1145.7	0.057901	mg/L	0.057901	mg/L	17:11:02
2	Cr 267.716 At	379663.9	405861.1	9.30879	mg/L	9.30879	mg/L	17:10:42
2	Cu 324.752 At	407704.8	431911.4	2.42058	mg/L	2.42058	mg/L	17:10:31

2	Ga 417.206 At	15836.7	17032.2	0.025581 mg/L	0.025581 mg/L	17:10:42
2	La 379.478 At	41146.6	44499.0	0.197367 mg/L	0.197367 mg/L	17:10:31
2	Mo 202.031 At	946.2	974.2	0.119314 mg/L	0.119314 mg/L	17:10:42
2	Ni 232.003 At	4204.0	4587.5	0.979310 mg/L	0.979310 mg/L	17:10:42
2	P 213.617 At	13511.3	14527.4	7.28226 mg/L	7.28226 mg/L	17:10:42
2	Pb 220.353 At	23252.9	24828.1	5.98099 mg/L	5.98099 mg/L	17:10:42
2	Sb 206.836 At	335.1	370.9	0.086003 mg/L	0.086003 mg/L	17:11:02
2	Sc 361.383 At	7372.7	7892.7	0.006190 mg/L	0.006190 mg/L	17:10:42
2	Se 196.026 At	-81.1	-55.7	0.008916 mg/L	0.008916 mg/L	17:11:02
2	Sn 189.927 At	11489.6	12325.3	4.45349 mg/L	4.45349 mg/L	17:11:02
2	Ti 336.121 At	257714.2	276359.4	1.00109 mg/L	1.00109 mg/L	17:10:42
2	Tl 190.801 At	-39.4	-31.4	0.015277 mg/L	0.015277 mg/L	17:11:02
2	V 292.402 At	15828.2	17400.0	0.147668 mg/L	0.147668 mg/L	17:10:42
2	Zn 206.200 At	67751.5	72435.9	6.51113 mg/L	6.51113 mg/L	17:10:42

Mean Data: ME2QS0

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	173492.8	93.6868	%	0.32700				0.35%
Lu 261.542 A	2564091.2	93.3035	%	0.28410				0.30%
Ag 328.068 At	-1617.1	0.024357	mg/L	0.0003050	0.024357	mg/L	0.0003050	1.25%
Al 308.215 Rt	32271.6	32.5854	mg/L	0.05350	32.5854	mg/L	0.05350	0.16%
As 188.979 At	331.0	0.304010	mg/L	0.0013387	0.304010	mg/L	0.0013387	0.44%
B 249.677 Rt	108.1	0.069367	mg/L	0.0023790	0.069367	mg/L	0.0023790	3.43%
Ba 233.527 At	18280.0	0.411735	mg/L	0.0011979	0.411735	mg/L	0.0011979	0.29%
Be 313.107 Rt	531.5	0.004505	mg/L	0.0000525	0.004505	mg/L	0.0000525	1.17%
Bi 222.821 At	565.7	-0.299833	mg/L	0.0009714	-0.299833	mg/L	0.0009714	0.32%
Ca 315.887 Rt	73438.0	19.7055	mg/L	0.04814	19.7055	mg/L	0.04814	0.24%
Cd 226.502 At	7703.0	-0.021058	mg/L	0.0004849	-0.021058	mg/L	0.0004849	2.30%
Co 228.616 At	1146.6	0.057944	mg/L	0.0000610	0.057944	mg/L	0.0000610	0.11%
Cr 267.716 At	406323.5	9.31940	mg/L	0.015000	9.31940	mg/L	0.015000	0.16%
Cu 324.752 At	431742.0	2.41963	mg/L	0.001343	2.41963	mg/L	0.001343	0.06%
Fe 273.955 Rt	768178.7	851.230	mg/L	0.6153	851.230	mg/L	0.6153	0.07%
Ga 417.206 At	16982.8	0.025029	mg/L	0.0007807	0.025029	mg/L	0.0007807	3.12%
K 766.490 Rt	31095.7	12.0475	mg/L	0.02211	12.0475	mg/L	0.02211	0.18%
La 379.478 At	44325.3	0.196597	mg/L	0.0010891	0.196597	mg/L	0.0010891	0.55%
Li 670.784 Rt	1217.7	0.014063	mg/L	0.0005270	0.014063	mg/L	0.0005270	3.75%
Mg 279.077 Rt	4964.9	9.28218	mg/L	0.012677	9.28218	mg/L	0.012677	0.14%
Mn 260.568 Rt	50828.0	3.68521	mg/L	0.005728	3.68521	mg/L	0.005728	0.16%
Mo 202.031 At	976.0	0.119534	mg/L	0.0003108	0.119534	mg/L	0.0003108	0.26%
Na 589.592 Rt	102753.9	13.1996	mg/L	0.03164	13.1996	mg/L	0.03164	0.24%
Ni 232.003 At	4644.6	0.983948	mg/L	0.0065587	0.983948	mg/L	0.0065587	0.67%
P 213.617 At	14558.9	7.29742	mg/L	0.021449	7.29742	mg/L	0.021449	0.29%
Pb 220.353 At	24843.9	5.98485	mg/L	0.005458	5.98485	mg/L	0.005458	0.09%
Sb 206.836 At	373.3	0.087231	mg/L	0.0017358	0.087231	mg/L	0.0017358	1.99%
Sc 361.383 At	7909.3	0.006203	mg/L	0.0000184	0.006203	mg/L	0.0000184	0.30%
Se 196.026 At	-61.9	-0.001757	mg/L	0.0150935	-0.001757	mg/L	0.0150935	859.14%
Si 251.611 Rt	14191.7	10.0156	mg/L	0.05124	10.0156	mg/L	0.05124	0.51%
SIO2 251.611 Rt	14191.7	21.4334	mg/L	0.10965	21.4334	mg/L	0.10965	0.51%
Sn 189.927 At	12346.9	4.46128	mg/L	0.011017	4.46128	mg/L	0.011017	0.25%
Sr 421.552 Rt	60019.7	0.082389	mg/L	0.0000543	0.082389	mg/L	0.0000543	0.07%
Ti 336.121 At	276532.5	1.00171	mg/L	0.000888	1.00171	mg/L	0.000888	0.09%
Tl 190.801 At	-29.4	0.017794	mg/L	0.0035594	0.017794	mg/L	0.0035594	20.00%
V 292.402 At	17391.3	0.147625	mg/L	0.0000602	0.147625	mg/L	0.0000602	0.04%
Zn 206.200 At	72630.9	6.52866	mg/L	0.024786	6.52866	mg/L	0.024786	0.38%

Method: ILMO5 OPT5 Page 29 Date: 5/20/2009 5:16:58 PM

Sequence No.: 13
Sample ID: ME2QS1
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 5/20/2009 5:12:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	172571.8	172571.8	93.1894	%			17:14:39
1	Al 308.215 Rt	34172.6	36616.5	36.9758	mg/L	36.9758	mg/L	17:14:39
1	B 249.677 Rt	323.3	341.7	0.176751	mg/L	0.176751	mg/L	17:14:59
1	Be 313.107 Rt	415.8	355.2	0.002439	mg/L	0.002439	mg/L	17:14:59
1	Ca 315.887 Rt	231822.6	248843.5	66.7719	mg/L	66.7719	mg/L	17:14:39
1	Fe 273.955 Rt	56122.1	60206.4	66.7080	mg/L	66.7080	mg/L	17:14:39
1	K 766.490 Rt	61861.9	66056.9	25.5926	mg/L	25.5926	mg/L	17:14:39
1	Li 670.784 Rt	4301.5	4520.1	0.052203	mg/L	0.052203	mg/L	17:14:39
1	Mg 279.077 Rt	17747.6	19048.7	35.6126	mg/L	35.6126	mg/L	17:14:39
1	Mn 260.568 Rt	10627.5	11402.3	0.833458	mg/L	0.833458	mg/L	17:14:59
1	Na 589.592 Rt	98139.1	105243.7	13.5194	mg/L	13.5194	mg/L	17:14:39
1	Si 251.611 Rt	13090.0	13964.0	9.85666	mg/L	9.85666	mg/L	17:14:59
1	SIO2 251.611 Rt	13090.0	13964.0	21.0933	mg/L	21.0933	mg/L	17:14:59
1	Sr 421.552 Rt	98660.4	105707.5	0.145104	mg/L	0.145104	mg/L	17:14:39
1	Lu 261.542 A	2550764.4	2550764.4	92.8186	%			17:15:44
1	Ag 328.068 At	-507.5	-179.4	0.001439	mg/L	0.001439	mg/L	17:15:54
1	As 188.979 At	5.1	18.2	0.018689	mg/L	0.018689	mg/L	17:16:15
1	Ba 233.527 At	14034.4	15182.6	0.341969	mg/L	0.341969	mg/L	17:15:54
1	Bi 222.821 At	76.2	39.7	-0.009612	mg/L	-0.009612	mg/L	17:16:15
1	Cd 226.502 At	411.7	504.5	-0.003916	mg/L	-0.003916	mg/L	17:16:15
1	Co 228.616 At	244.7	371.7	0.017354	mg/L	0.017354	mg/L	17:16:15
1	Cr 267.716 At	8780.3	9282.2	0.212590	mg/L	0.212590	mg/L	17:15:54
1	Cu 324.752 At	96430.9	99775.8	0.559623	mg/L	0.559623	mg/L	17:15:54
1	Ga 417.206 At	2272.8	2544.0	0.014544	mg/L	0.014544	mg/L	17:15:54
1	La 379.478 At	13333.3	14858.8	0.065904	mg/L	0.065904	mg/L	17:15:54
1	Mo 202.031 At	325.2	312.6	0.030409	mg/L	0.030409	mg/L	17:16:15
1	Ni 232.003 At	359.4	478.6	0.105277	mg/L	0.105277	mg/L	17:15:54
1	P 213.617 At	3939.8	4322.1	2.10915	mg/L	2.10915	mg/L	17:16:15
1	Pb 220.353 At	1635.9	1722.3	0.416243	mg/L	0.416243	mg/L	17:16:15
1	Sb 206.836 At	11.9	25.3	0.009099	mg/L	0.009099	mg/L	17:16:15
1	Sc 361.383 At	7954.5	8577.9	0.006727	mg/L	0.006727	mg/L	17:15:54
1	Se 196.026 At	-37.9	-9.7	-0.012116	mg/L	-0.012116	mg/L	17:16:15
1	Sn 189.927 At	227.4	282.6	0.102116	mg/L	0.102116	mg/L	17:16:15
1	Ti 336.121 At	238296.9	257476.3	0.931701	mg/L	0.931701	mg/L	17:15:44
1	Tl 190.801 At	-16.1	-6.6	-0.002906	mg/L	-0.002906	mg/L	17:16:15
1	V 292.402 At	7870.6	8951.8	0.091615	mg/L	0.091615	mg/L	17:15:54
1	Zn 206.200 At	12607.6	13560.8	1.21765	mg/L	1.21765	mg/L	17:15:54
2	Lu 261.542 R	174660.4	174660.4	94.3172	%			17:15:10
2	Al 308.215 Rt	34572.3	36601.6	36.9608	mg/L	36.9608	mg/L	17:15:10
2	B 249.677 Rt	324.2	338.5	0.175106	mg/L	0.175106	mg/L	17:15:30
2	Be 313.107 Rt	403.7	337.1	0.002312	mg/L	0.002312	mg/L	17:15:30
2	Ca 315.887 Rt	234054.0	248234.6	66.6085	mg/L	66.6085	mg/L	17:15:10
2	Fe 273.955 Rt	56713.9	60113.7	66.6053	mg/L	66.6053	mg/L	17:15:10
2	K 766.490 Rt	62535.0	65976.8	25.5615	mg/L	25.5615	mg/L	17:15:10
2	Li 670.784 Rt	4323.9	4488.7	0.051840	mg/L	0.051840	mg/L	17:15:10
2	Mg 279.077 Rt	17933.9	19018.4	35.5561	mg/L	35.5561	mg/L	17:15:10
2	Mn 260.568 Rt	10589.6	11225.7	0.820473	mg/L	0.820473	mg/L	17:15:30
2	Na 589.592 Rt	99258.1	105170.9	13.5101	mg/L	13.5101	mg/L	17:15:10
2	Si 251.611 Rt	13068.7	13773.4	9.72196	mg/L	9.72196	mg/L	17:15:30
2	SIO2 251.611 Rt	13068.7	13773.4	20.8050	mg/L	20.8050	mg/L	17:15:30
2	Sr 421.552 Rt	99964.0	105823.6	0.145264	mg/L	0.145264	mg/L	17:15:10
2	Lu 261.542 A	2549674.6	2549674.6	92.7789	%			17:16:27
2	Ag 328.068 At	-493.4	-164.5	0.001528	mg/L	0.001528	mg/L	17:16:37
2	As 188.979 At	8.8	22.1	0.022494	mg/L	0.022494	mg/L	17:16:57
2	Ba 233.527 At	13961.5	15110.6	0.340346	mg/L	0.340346	mg/L	17:16:37
2	Bi 222.821 At	78.9	42.6	-0.006822	mg/L	-0.006822	mg/L	17:16:57
2	Cd 226.502 At	419.9	513.6	-0.003657	mg/L	-0.003657	mg/L	17:16:57
2	Co 228.616 At	246.3	373.6	0.017448	mg/L	0.017448	mg/L	17:16:57
2	Cr 267.716 At	8801.5	9309.1	0.213208	mg/L	0.213208	mg/L	17:16:37
2	Cu 324.752 At	95996.2	99351.7	0.557246	mg/L	0.557246	mg/L	17:16:37

2	Ga 417.206 At	2269.8	2541.8	0.014530 mg/L	0.014530 mg/L	17:16:37
2	La 379.478 At	13356.2	14889.6	0.066040 mg/L	0.066040 mg/L	17:16:37
2	Mo 202.031 At	328.2	316.0	0.030865 mg/L	0.030865 mg/L	17:16:57
2	Ni 232.003 At	345.2	463.5	0.103701 mg/L	0.103701 mg/L	17:16:37
2	P 213.617 At	3954.1	4339.3	2.11749 mg/L	2.11749 mg/L	17:16:57
2	Pb 220.353 At	1646.3	1734.4	0.419173 mg/L	0.419173 mg/L	17:16:57
2	Sb 206.836 At	17.9	31.7	0.012449 mg/L	0.012449 mg/L	17:16:57
2	Sc 361.383 At	7948.1	8574.7	0.006725 mg/L	0.006725 mg/L	17:16:37
2	Se 196.026 At	-32.4	-3.8	-0.002022 mg/L	-0.002022 mg/L	17:16:57
2	Sn 189.927 At	223.4	278.3	0.100571 mg/L	0.100571 mg/L	17:16:57
2	Ti 336.121 At	238726.7	258049.3	0.933780 mg/L	0.933780 mg/L	17:16:27
2	Tl 190.801 At	-16.5	-7.1	-0.003498 mg/L	-0.003498 mg/L	17:16:57
2	V 292.402 At	7894.0	8980.6	0.091933 mg/L	0.091933 mg/L	17:16:37
2	Zn 206.200 At	12539.3	13493.0	1.21156 mg/L	1.21156 mg/L	17:16:37

Mean Data: ME2QS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	173616.1	93.7533	%	0.79752				0.85%
Lu 261.542 A	2550219.5	92.7987	%	0.02804				0.03%
Ag 328.068 At	-172.0	0.001483	mg/L	0.0000623	0.001483	mg/L	0.0000623	4.20%
Al 308.215 Rt	36609.1	36.9683	mg/L	0.01058	36.9683	mg/L	0.01058	0.03%
As 188.979 At	20.2	0.020591	mg/L	0.0026907	0.020591	mg/L	0.0026907	13.07%
B 249.677 Rt	340.1	0.175929	mg/L	0.0011635	0.175929	mg/L	0.0011635	0.66%
Ba 233.527 At	15146.6	0.341157	mg/L	0.0011472	0.341157	mg/L	0.0011472	0.34%
Be 313.107 Rt	346.2	0.002376	mg/L	0.0000902	0.002376	mg/L	0.0000902	3.79%
Bi 222.821 At	41.1	-0.008217	mg/L	0.0019726	-0.008217	mg/L	0.0019726	24.01%
Ca 315.887 Rt	248539.1	66.6902	mg/L	0.11553	66.6902	mg/L	0.11553	0.17%
Cd 226.502 At	509.0	-0.003787	mg/L	0.0001831	-0.003787	mg/L	0.0001831	4.84%
Co 228.616 At	372.6	0.017401	mg/L	0.0000661	0.017401	mg/L	0.0000661	0.38%
Cr 267.716 At	9295.6	0.212899	mg/L	0.0004369	0.212899	mg/L	0.0004369	0.21%
Cu 324.752 At	99563.7	0.558435	mg/L	0.0016801	0.558435	mg/L	0.0016801	0.30%
Fe 273.955 Rt	60160.1	66.6566	mg/L	0.07263	66.6566	mg/L	0.07263	0.11%
Ga 417.206 At	2542.9	0.014537	mg/L	0.0000100	0.014537	mg/L	0.0000100	0.07%
K 766.490 Rt	66016.9	25.5771	mg/L	0.02196	25.5771	mg/L	0.02196	0.09%
La 379.478 At	14874.2	0.065972	mg/L	0.0000967	0.065972	mg/L	0.0000967	0.15%
Li 670.784 Rt	4504.4	0.052021	mg/L	0.0002565	0.052021	mg/L	0.0002565	0.49%
Mg 279.077 Rt	19033.6	35.5844	mg/L	0.03999	35.5844	mg/L	0.03999	0.11%
Mn 260.568 Rt	11314.0	0.826966	mg/L	0.0091812	0.826966	mg/L	0.0091812	1.11%
Mo 202.031 At	314.3	0.030637	mg/L	0.0003226	0.030637	mg/L	0.0003226	1.05%
Na 589.592 Rt	105207.3	13.5147	mg/L	0.00662	13.5147	mg/L	0.00662	0.05%
Ni 232.003 At	471.0	0.104489	mg/L	0.0011145	0.104489	mg/L	0.0011145	1.07%
P 213.617 At	4330.7	2.11332	mg/L	0.005900	2.11332	mg/L	0.005900	0.28%
Pb 220.353 At	1728.3	0.417708	mg/L	0.0020714	0.417708	mg/L	0.0020714	0.50%
Sb 206.836 At	28.5	0.010774	mg/L	0.0023688	0.010774	mg/L	0.0023688	21.99%
Sc 361.383 At	8576.3	0.006726	mg/L	0.0000018	0.006726	mg/L	0.0000018	0.03%
Se 196.026 At	-6.8	-0.007069	mg/L	0.0071376	-0.007069	mg/L	0.0071376	100.98%
Si 251.611 Rt	13868.7	9.78931	mg/L	0.095248	9.78931	mg/L	0.095248	0.97%
SIO2 251.611 Rt	13868.7	20.9491	mg/L	0.20383	20.9491	mg/L	0.20383	0.97%
Sn 189.927 At	280.5	0.101344	mg/L	0.0010929	0.101344	mg/L	0.0010929	1.08%
Sr 421.552 Rt	105765.6	0.145184	mg/L	0.0001127	0.145184	mg/L	0.0001127	0.08%
Ti 336.121 At	257762.8	0.932740	mg/L	0.0014700	0.932740	mg/L	0.0014700	0.16%
Tl 190.801 At	-6.9	-0.003202	mg/L	0.0004183	-0.003202	mg/L	0.0004183	13.06%
V 292.402 At	8966.2	0.091774	mg/L	0.0002250	0.091774	mg/L	0.0002250	0.25%
Zn 206.200 At	13526.9	1.21460	mg/L	0.004309	1.21460	mg/L	0.004309	0.35%

Sequence No.: 14
Sample ID: ME2QS2
Analyst: DT/FEH
Initial Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 5/20/2009 5:18:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ME2QS2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	176703.1	176703.1	95.4203	%			17:20:39
1	Al 308.215 Rt	35636.5	37293.3	37.6563	mg/L	37.6563	mg/L	17:20:39
1	B 249.677 Rt	184.0	187.6	0.103922	mg/L	0.103922	mg/L	17:20:59
1	Be 313.107 Rt	783.0	729.6	0.005488	mg/L	0.005488	mg/L	17:20:59
1	Ca 315.887 Rt	114995.4	120593.0	32.3586	mg/L	32.3586	mg/L	17:20:39
1	Fe 273.955 Rt	489967.5	513466.2	568.978	mg/L	568.978	mg/L	17:20:39
1	K 766.490 Rt	51017.4	53139.9	20.5881	mg/L	20.5881	mg/L	17:20:39
1	Li 670.784 Rt	2617.9	2647.7	0.030578	mg/L	0.030578	mg/L	17:20:59
1	Mg 279.077 Rt	8485.4	8896.6	16.6328	mg/L	16.6328	mg/L	17:20:59
1	Mn 260.568 Rt	41090.6	43060.8	3.13134	mg/L	3.13134	mg/L	17:20:59
1	Na 589.592 Rt	89576.8	93808.3	12.0504	mg/L	12.0504	mg/L	17:20:39
1	Si 251.611 Rt	11478.2	11946.4	8.42712	mg/L	8.42712	mg/L	17:20:59
1	SIO2 251.611 Rt	11478.2	11946.4	18.0340	mg/L	18.0340	mg/L	17:20:59
1	Sr 421.552 Rt	84784.2	88690.0	0.121744	mg/L	0.121744	mg/L	17:20:39
1	Lu 261.542 A	2611572.7	2611572.7	95.0313	%			17:21:46
1	Ag 328.068 At	-863.3	-541.2	0.019536	mg/L	0.019536	mg/L	17:21:57
1	As 188.979 At	251.7	277.6	0.259585	mg/L	0.259585	mg/L	17:22:17
1	Ba 233.527 At	28541.0	30095.6	0.677865	mg/L	0.677865	mg/L	17:21:57
1	Bi 222.821 At	385.3	363.0	-0.173395	mg/L	-0.173395	mg/L	17:22:17
1	Cd 226.502 At	5153.7	5484.1	-0.004980	mg/L	-0.004980	mg/L	17:21:57
1	Co 228.616 At	1218.2	1389.9	0.070475	mg/L	0.070475	mg/L	17:22:17
1	Cr 267.716 At	203115.8	213558.2	4.89795	mg/L	4.89795	mg/L	17:21:57
1	Cu 324.752 At	350565.9	364779.2	2.04409	mg/L	2.04409	mg/L	17:21:46
1	Ga 417.206 At	10982.1	11651.6	0.018919	mg/L	0.018919	mg/L	17:21:57
1	La 379.478 At	31904.9	34067.0	0.151098	mg/L	0.151098	mg/L	17:21:46
1	Mo 202.031 At	1181.2	1205.3	0.142025	mg/L	0.142025	mg/L	17:21:57
1	Ni 232.003 At	4925.4	5274.3	0.905665	mg/L	0.905665	mg/L	17:21:57
1	P 213.617 At	11872.9	12571.2	6.26209	mg/L	6.26209	mg/L	17:21:57
1	Pb 220.353 At	28659.9	30118.3	7.28647	mg/L	7.28647	mg/L	17:21:57
1	Sb 206.836 At	190.3	212.7	0.051175	mg/L	0.051175	mg/L	17:22:17
1	Sc 361.383 At	8749.0	9214.4	0.007227	mg/L	0.007227	mg/L	17:21:57
1	Se 196.026 At	-60.7	-32.8	0.012359	mg/L	0.012359	mg/L	17:22:17
1	Sn 189.927 At	15962.5	16834.7	6.08283	mg/L	6.08283	mg/L	17:21:57
1	Ti 336.121 At	291826.6	307827.0	1.11485	mg/L	1.11485	mg/L	17:21:57
1	Tl 190.801 At	-22.0	-12.4	0.023445	mg/L	0.023445	mg/L	17:22:17
1	V 292.402 At	16178.9	17497.0	0.159304	mg/L	0.159304	mg/L	17:21:57
1	Zn 206.200 At	152759.6	160724.4	14.4479	mg/L	14.4479	mg/L	17:21:57
2	Lu 261.542 R	174525.8	174525.8	94.2446	%			17:21:10
2	Al 308.215 Rt	35358.9	37464.5	37.8293	mg/L	37.8293	mg/L	17:21:10
2	B 249.677 Rt	188.0	194.3	0.107332	mg/L	0.107332	mg/L	17:21:30
2	Be 313.107 Rt	788.0	745.1	0.005595	mg/L	0.005595	mg/L	17:21:30
2	Ca 315.887 Rt	114122.0	121169.8	32.5134	mg/L	32.5134	mg/L	17:21:10
2	Fe 273.955 Rt	485652.5	515293.4	571.002	mg/L	571.002	mg/L	17:21:10
2	K 766.490 Rt	50458.4	53213.8	20.6167	mg/L	20.6167	mg/L	17:21:10
2	Li 670.784 Rt	2602.7	2665.8	0.030788	mg/L	0.030788	mg/L	17:21:30
2	Mg 279.077 Rt	8542.8	9068.5	16.9541	mg/L	16.9541	mg/L	17:21:30
2	Mn 260.568 Rt	41217.7	43733.0	3.18065	mg/L	3.18065	mg/L	17:21:30
2	Na 589.592 Rt	88250.6	93572.3	12.0201	mg/L	12.0201	mg/L	17:21:10
2	Si 251.611 Rt	11518.3	12139.0	8.56337	mg/L	8.56337	mg/L	17:21:30
2	SIO2 251.611 Rt	11518.3	12139.0	18.3256	mg/L	18.3256	mg/L	17:21:30
2	Sr 421.552 Rt	83875.9	88834.8	0.121943	mg/L	0.121943	mg/L	17:21:10
2	Lu 261.542 A	2620177.9	2620177.9	95.3444	%			17:22:32
2	Ag 328.068 At	-894.8	-571.2	0.019420	mg/L	0.019420	mg/L	17:22:43
2	As 188.979 At	251.9	276.9	0.258900	mg/L	0.258900	mg/L	17:23:03
2	Ba 233.527 At	28523.9	29979.1	0.675241	mg/L	0.675241	mg/L	17:22:43
2	Bi 222.821 At	376.1	352.0	-0.184657	mg/L	-0.184657	mg/L	17:23:03
2	Cd 226.502 At	5099.9	5409.9	-0.007476	mg/L	-0.007476	mg/L	17:22:43
2	Co 228.616 At	1201.9	1368.6	0.069376	mg/L	0.069376	mg/L	17:23:03
2	Cr 267.716 At	202709.6	212430.3	4.87208	mg/L	4.87208	mg/L	17:22:43
2	Cu 324.752 At	350298.7	363287.5	2.03572	mg/L	2.03572	mg/L	17:22:32

Method: ILMO5 OPT5 Page 32 Date: 5/20/2009 5:23:06 PM

2	Ga 417.206 At	10916.0	11544.4	0.017080 mg/L	0.017080 mg/L	17:22:43
2	La 379.478 At	31714.7	33757.3	0.149724 mg/L	0.149724 mg/L	17:22:32
2	Mo 202.031 At	1165.0	1184.2	0.139563 mg/L	0.139563 mg/L	17:22:43
2	Ni 232.003 At	4808.8	5134.9	0.895373 mg/L	0.895373 mg/L	17:22:43
2	P 213.617 At	11789.9	12443.1	6.20103 mg/L	6.20103 mg/L	17:22:43
2	Pb 220.353 At	28569.7	29924.7	7.23925 mg/L	7.23925 mg/L	17:22:43
2	Sb 206.836 At	193.2	215.1	0.052572 mg/L	0.052572 mg/L	17:23:03
2	Sc 361.383 At	8699.4	9132.1	0.007162 mg/L	0.007162 mg/L	17:22:43
2	Se 196.026 At	-58.8	-30.5	0.016374 mg/L	0.016374 mg/L	17:23:03
2	Sn 189.927 At	15963.7	16780.8	6.06338 mg/L	6.06338 mg/L	17:22:43
2	Ti 336.121 At	290635.8	305569.6	1.10666 mg/L	1.10666 mg/L	17:22:43
2	Tl 190.801 At	-25.9	-16.5	0.018468 mg/L	0.018468 mg/L	17:23:03
2	V 292.402 At	16142.2	17402.7	0.158098 mg/L	0.158098 mg/L	17:22:43
2	Zn 206.200 At	152994.0	160442.4	14.4226 mg/L	14.4226 mg/L	17:22:43

Mean Data: ME2QS2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Lu 261.542 R	175614.5	94.8324	%	0.83136				0.88%
Lu 261.542 A	2615875.3	95.1878	%	0.22142				0.23%
Ag 328.068 At	-556.2	0.019478	mg/L	0.0000824	0.019478	mg/L	0.0000824	0.42%
Al 308.215 Rt	37378.9	37.7428	mg/L	0.12236	37.7428	mg/L	0.12236	0.32%
As 188.979 At	277.2	0.259243	mg/L	0.0004845	0.259243	mg/L	0.0004845	0.19%
B 249.677 Rt	191.0	0.105627	mg/L	0.0024113	0.105627	mg/L	0.0024113	2.28%
Ba 233.527 At	30037.3	0.676553	mg/L	0.0018555	0.676553	mg/L	0.0018555	0.27%
Be 313.107 Rt	737.4	0.005542	mg/L	0.0000762	0.005542	mg/L	0.0000762	1.37%
Bi 222.821 At	357.5	-0.179026	mg/L	0.0079633	-0.179026	mg/L	0.0079633	4.45%
Ca 315.887 Rt	120881.4	32.4360	mg/L	0.10943	32.4360	mg/L	0.10943	0.34%
Cd 226.502 At	5447.0	-0.006228	mg/L	0.0017652	-0.006228	mg/L	0.0017652	28.34%
Co 228.616 At	1379.3	0.069925	mg/L	0.0007774	0.069925	mg/L	0.0007774	1.11%
Cr 267.716 At	212994.3	4.88502	mg/L	0.018297	4.88502	mg/L	0.018297	0.37%
Cu 324.752 At	364033.3	2.03990	mg/L	0.005916	2.03990	mg/L	0.005916	0.29%
Fe 273.955 Rt	514379.8	569.990	mg/L	1.4317	569.990	mg/L	1.4317	0.25%
Ga 417.206 At	11598.0	0.018000	mg/L	0.0013006	0.018000	mg/L	0.0013006	7.23%
K 766.490 Rt	53176.8	20.6024	mg/L	0.02024	20.6024	mg/L	0.02024	0.10%
La 379.478 At	33912.1	0.150411	mg/L	0.0009713	0.150411	mg/L	0.0009713	0.65%
Li 670.784 Rt	2656.8	0.030683	mg/L	0.0001481	0.030683	mg/L	0.0001481	0.48%
Mg 279.077 Rt	8982.6	16.7934	mg/L	0.22718	16.7934	mg/L	0.22718	1.35%
Mn 260.568 Rt	43396.9	3.15600	mg/L	0.034866	3.15600	mg/L	0.034866	1.10%
Mo 202.031 At	1194.7	0.140794	mg/L	0.0017413	0.140794	mg/L	0.0017413	1.24%
Na 589.592 Rt	93690.3	12.0353	mg/L	0.02144	12.0353	mg/L	0.02144	0.18%
Ni 232.003 At	5204.6	0.900519	mg/L	0.0072779	0.900519	mg/L	0.0072779	0.81%
P 213.617 At	12507.1	6.23156	mg/L	0.043181	6.23156	mg/L	0.043181	0.69%
Pb 220.353 At	30021.5	7.26286	mg/L	0.033385	7.26286	mg/L	0.033385	0.46%
Sb 206.836 At	213.9	0.051874	mg/L	0.0009877	0.051874	mg/L	0.0009877	1.90%
Sc 361.383 At	9173.2	0.007194	mg/L	0.0000456	0.007194	mg/L	0.0000456	0.63%
Se 196.026 At	-31.6	0.014366	mg/L	0.0028384	0.014366	mg/L	0.0028384	19.76%
Si 251.611 Rt	12042.7	8.49524	mg/L	0.096344	8.49524	mg/L	0.096344	1.13%
SIO2 251.611 Rt	12042.7	18.1798	mg/L	0.20618	18.1798	mg/L	0.20618	1.13%
Sn 189.927 At	16807.7	6.07311	mg/L	0.013753	6.07311	mg/L	0.013753	0.23%
Sr 421.552 Rt	88762.4	0.121844	mg/L	0.0001405	0.121844	mg/L	0.0001405	0.12%
Ti 336.121 At	306698.3	1.11076	mg/L	0.005790	1.11076	mg/L	0.005790	0.52%
Tl 190.801 At	-14.4	0.020956	mg/L	0.0035194	0.020956	mg/L	0.0035194	16.79%
V 292.402 At	17449.8	0.158701	mg/L	0.0008527	0.158701	mg/L	0.0008527	0.54%
Zn 206.200 At	160583.4	14.4352	mg/L	0.01793	14.4352	mg/L	0.01793	0.12%

Method: ILMO5 OPT5 Page 33 Date: 5/20/2009 5:28:57 PM

Sequence No.: 15
Sample ID: CRI
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/20/2009 5:24:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CRI

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	191960.1	191960.1	103.659	%			17:26:40
1	Al 308.215 Rt	97.1	40.0	0.039800	mg/L	0.039800	mg/L	17:27:00
1	B 249.677 Rt	22.5	16.5	0.008442	mg/L	0.008442	mg/L	17:27:00
1	Be 313.107 Rt	795.7	676.7	0.004767	mg/L	0.004767	mg/L	17:27:00
1	Ca 315.887 Rt	280.9	349.4	0.093758	mg/L	0.093758	mg/L	17:27:00
1	Fe 273.955 Rt	48.7	29.7	0.032689	mg/L	0.032689	mg/L	17:27:00
1	K 766.490 Rt	358.3	19.6	0.007587	mg/L	0.007587	mg/L	17:26:40
1	Li 670.784 Rt	114.8	14.9	0.000172	mg/L	0.000172	mg/L	17:26:40
1	Mg 279.077 Rt	-2.5	1.6	0.003007	mg/L	0.003007	mg/L	17:27:00
1	Mn 260.568 Rt	216.6	207.1	0.015201	mg/L	0.015201	mg/L	17:27:00
1	Na 589.592 Rt	91.5	20.6	0.002643	mg/L	0.002643	mg/L	17:26:40
1	Si 251.611 Rt	42.4	-41.8	-0.029536	mg/L	-0.029536	mg/L	17:27:00
1	SIO2 251.611 Rt	42.4	-41.8	-0.063207	mg/L	-0.063207	mg/L	17:27:00
1	Sr 421.552 Rt	647.5	461.3	0.000633	mg/L	0.000633	mg/L	17:26:40
1	Lu 261.542 A	2859920.4	2859920.4	104.068	%			17:27:44
1	Ag 328.068 At	889.1	1221.7	0.008018	mg/L	0.008018	mg/L	17:27:54
1	As 188.979 At	1.7	14.3	0.013782	mg/L	0.013782	mg/L	17:28:14
1	Ba 233.527 At	-55.0	9.5	0.000214	mg/L	0.000214	mg/L	17:28:14
1	Bi 222.821 At	41.0	-3.1	-0.002999	mg/L	-0.002999	mg/L	17:28:14
1	Cd 226.502 At	137.8	193.4	0.005109	mg/L	0.005109	mg/L	17:28:14
1	Co 228.616 At	876.9	950.6	0.049994	mg/L	0.049994	mg/L	17:28:14
1	Cr 267.716 At	631.0	428.9	0.009827	mg/L	0.009827	mg/L	17:28:14
1	Cu 324.752 At	8570.1	4119.0	0.023091	mg/L	0.023091	mg/L	17:27:54
1	Ga 417.206 At	-7.7	87.9	0.001146	mg/L	0.001146	mg/L	17:27:54
1	La 379.478 At	-463.3	48.7	0.000216	mg/L	0.000216	mg/L	17:27:54
1	Mo 202.031 At	36.5	-2.7	-0.000292	mg/L	-0.000292	mg/L	17:28:14
1	Ni 232.003 At	324.0	402.7	0.037826	mg/L	0.037826	mg/L	17:28:14
1	P 213.617 At	-66.7	13.3	0.005902	mg/L	0.005902	mg/L	17:28:14
1	Pb 220.353 At	77.4	34.2	0.008311	mg/L	0.008311	mg/L	17:28:14
1	Sb 206.836 At	113.3	121.4	0.063625	mg/L	0.063625	mg/L	17:28:14
1	Sc 361.383 At	0.4	8.3	0.000007	mg/L	0.000007	mg/L	17:27:54
1	Se 196.026 At	-8.3	23.1	0.039620	mg/L	0.039620	mg/L	17:28:14
1	Sn 189.927 At	-27.9	10.8	0.003887	mg/L	0.003887	mg/L	17:28:14
1	Ti 336.121 At	-615.9	150.4	0.000544	mg/L	0.000544	mg/L	17:27:54
1	Tl 190.801 At	10.1	20.4	0.026386	mg/L	0.026386	mg/L	17:28:14
1	V 292.402 At	4418.3	4717.8	0.050574	mg/L	0.050574	mg/L	17:27:54
1	Zn 206.200 At	736.3	685.3	0.061590	mg/L	0.061590	mg/L	17:28:14
2	Lu 261.542 R	191919.8	191919.8	103.637	%			17:27:10
2	Al 308.215 Rt	88.7	32.0	0.031689	mg/L	0.031689	mg/L	17:27:30
2	B 249.677 Rt	21.0	15.1	0.007703	mg/L	0.007703	mg/L	17:27:30
2	Be 313.107 Rt	791.7	672.9	0.004741	mg/L	0.004741	mg/L	17:27:30
2	Ca 315.887 Rt	271.7	340.6	0.091382	mg/L	0.091382	mg/L	17:27:30
2	Fe 273.955 Rt	45.2	26.3	0.028982	mg/L	0.028982	mg/L	17:27:30
2	K 766.490 Rt	354.4	15.9	0.006148	mg/L	0.006148	mg/L	17:27:10
2	Li 670.784 Rt	115.8	15.9	0.000184	mg/L	0.000184	mg/L	17:27:10
2	Mg 279.077 Rt	-2.7	1.4	0.002549	mg/L	0.002549	mg/L	17:27:30
2	Mn 260.568 Rt	219.9	210.3	0.015436	mg/L	0.015436	mg/L	17:27:30
2	Na 589.592 Rt	104.3	32.9	0.004230	mg/L	0.004230	mg/L	17:27:10
2	Si 251.611 Rt	41.8	-42.4	-0.029967	mg/L	-0.029967	mg/L	17:27:30
2	SIO2 251.611 Rt	41.8	-42.4	-0.064129	mg/L	-0.064129	mg/L	17:27:30
2	Sr 421.552 Rt	662.3	475.7	0.000653	mg/L	0.000653	mg/L	17:27:10
2	Lu 261.542 A	2863659.6	2863659.6	104.204	%			17:28:25
2	Ag 328.068 At	880.5	1212.3	0.007966	mg/L	0.007966	mg/L	17:28:36
2	As 188.979 At	-3.5	9.3	0.008970	mg/L	0.008970	mg/L	17:28:56
2	Ba 233.527 At	-58.7	6.1	0.000136	mg/L	0.000136	mg/L	17:28:56
2	Bi 222.821 At	42.2	-2.0	-0.001931	mg/L	-0.001931	mg/L	17:28:56
2	Cd 226.502 At	136.4	191.9	0.005071	mg/L	0.005071	mg/L	17:28:56
2	Co 228.616 At	867.9	940.9	0.049484	mg/L	0.049484	mg/L	17:28:56
2	Cr 267.716 At	634.5	431.4	0.009884	mg/L	0.009884	mg/L	17:28:56
2	Cu 324.752 At	8596.3	4133.4	0.023172	mg/L	0.023172	mg/L	17:28:36

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2	Ga 417.206 At	-3.3	92.2	0.001203 mg/L	0.001203 mg/L	17:28:36
2	La 379.478 At	-489.2	24.5	0.000109 mg/L	0.000109 mg/L	17:28:36
2	Mo 202.031 At	37.2	-2.0	-0.000215 mg/L	-0.000215 mg/L	17:28:56
2	Ni 232.003 At	326.1	404.3	0.037964 mg/L	0.037964 mg/L	17:28:56
2	P 213.617 At	-61.2	18.7	0.008482 mg/L	0.008482 mg/L	17:28:56
2	Pb 220.353 At	78.1	34.8	0.008449 mg/L	0.008449 mg/L	17:28:56
2	Sb 206.836 At	104.9	113.1	0.059304 mg/L	0.059304 mg/L	17:28:56
2	Sc 361.383 At	-6.1	2.1	0.000002 mg/L	0.000002 mg/L	17:28:36
2	Se 196.026 At	-10.0	21.5	0.036833 mg/L	0.036833 mg/L	17:28:56
2	Sn 189.927 At	-29.5	9.3	0.003347 mg/L	0.003347 mg/L	17:28:56
2	Ti 336.121 At	-614.9	152.1	0.000550 mg/L	0.000550 mg/L	17:28:36
2	Tl 190.801 At	9.6	19.9	0.025706 mg/L	0.025706 mg/L	17:28:56
2	V 292.402 At	4397.8	4692.6	0.050305 mg/L	0.050305 mg/L	17:28:36
2	Zn 206.200 At	732.7	680.9	0.061195 mg/L	0.061195 mg/L	17:28:56

Mean Data: CRI

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	191939.9	103.648	%	0.0154				0.01%
Lu 261.542 A	2861790.0	104.136	%	0.0962				0.09%
Ag 328.068 At	1217.0	0.007992	mg/L	0.0000362	0.007992	mg/L	0.0000362	0.45%
QC value within limits for Ag 328.068 A Recovery = 79.92%								
Al 308.215 Rt	36.0	0.035744	mg/L	0.0057354	0.035744	mg/L	0.0057354	16.05%
As 188.979 At	11.8	0.011376	mg/L	0.0034027	0.011376	mg/L	0.0034027	29.91%
QC value within limits for As 188.979 A Recovery = 113.76%								
B 249.677 Rt	15.8	0.008072	mg/L	0.0005227	0.008072	mg/L	0.0005227	6.47%
Ba 233.527 At	7.8	0.000175	mg/L	0.0000549	0.000175	mg/L	0.0000549	31.33%
Be 313.107 Rt	674.8	0.004754	mg/L	0.0000186	0.004754	mg/L	0.0000186	0.39%
QC value within limits for Be 313.107 R Recovery = 95.08%								
Bi 222.821 At	-2.5	-0.002465	mg/L	0.0007550	-0.002465	mg/L	0.0007550	30.63%
Ca 315.887 Rt	345.0	0.092570	mg/L	0.0016798	0.092570	mg/L	0.0016798	1.81%
Cd 226.502 At	192.6	0.005090	mg/L	0.0000273	0.005090	mg/L	0.0000273	0.54%
QC value within limits for Cd 226.502 A Recovery = 101.80%								
Co 228.616 At	945.8	0.049739	mg/L	0.0003604	0.049739	mg/L	0.0003604	0.72%
QC value within limits for Co 228.616 A Recovery = 99.48%								
Cr 267.716 At	430.1	0.009856	mg/L	0.0000402	0.009856	mg/L	0.0000402	0.41%
QC value within limits for Cr 267.716 A Recovery = 98.56%								
Cu 324.752 At	4126.2	0.023132	mg/L	0.0000570	0.023132	mg/L	0.0000570	0.25%
QC value within limits for Cu 324.752 A Recovery = 92.53%								
Fe 273.955 Rt	28.0	0.030836	mg/L	0.0026206	0.030836	mg/L	0.0026206	8.50%
Ga 417.206 At	90.0	0.001174	mg/L	0.0000404	0.001174	mg/L	0.0000404	3.44%
K 766.490 Rt	17.7	0.006868	mg/L	0.0010172	0.006868	mg/L	0.0010172	14.81%
La 379.478 At	36.6	0.000162	mg/L	0.0000761	0.000162	mg/L	0.0000761	46.87%
Li 670.784 Rt	15.4	0.000178	mg/L	0.0000081	0.000178	mg/L	0.0000081	4.54%
Mg 279.077 Rt	1.5	0.002778	mg/L	0.0003245	0.002778	mg/L	0.0003245	11.68%
Mn 260.568 Rt	208.7	0.015319	mg/L	0.0001665	0.015319	mg/L	0.0001665	1.09%
QC value within limits for Mn 260.568 R Recovery = 102.12%								
Mo 202.031 At	-2.3	-0.000254	mg/L	0.0000546	-0.000254	mg/L	0.0000546	21.53%
Na 589.592 Rt	26.8	0.003436	mg/L	0.0011225	0.003436	mg/L	0.0011225	32.66%
Ni 232.003 At	403.5	0.037895	mg/L	0.0000978	0.037895	mg/L	0.0000978	0.26%
QC value within limits for Ni 232.003 A Recovery = 94.74%								
P 213.617 At	16.0	0.007192	mg/L	0.0018245	0.007192	mg/L	0.0018245	25.37%
Pb 220.353 At	34.5	0.008380	mg/L	0.0000977	0.008380	mg/L	0.0000977	1.17%
QC value within limits for Pb 220.353 A Recovery = 83.80%								
Sb 206.836 At	117.2	0.061465	mg/L	0.0030554	0.061465	mg/L	0.0030554	4.97%
QC value within limits for Sb 206.836 A Recovery = 102.44%								
Sc 361.383 At	5.2	0.000004	mg/L	0.0000035	0.000004	mg/L	0.0000035	84.80%
Se 196.026 At	22.3	0.038227	mg/L	0.0019701	0.038227	mg/L	0.0019701	5.15%
QC value within limits for Se 196.026 A Recovery = 109.22%								
Si 251.611 Rt	-42.1	-0.029751	mg/L	0.0003047	-0.029751	mg/L	0.0003047	1.02%
SIO2 251.611 Rt	-42.1	-0.063668	mg/L	0.0006521	-0.063668	mg/L	0.0006521	1.02%
Sn 189.927 At	10.0	0.003617	mg/L	0.0003823	0.003617	mg/L	0.0003823	10.57%
Sr 421.552 Rt	468.5	0.000643	mg/L	0.0000139	0.000643	mg/L	0.0000139	2.17%
Ti 336.121 At	151.2	0.000547	mg/L	0.0000044	0.000547	mg/L	0.0000044	0.80%
Tl 190.801 At	20.2	0.026046	mg/L	0.0004814	0.026046	mg/L	0.0004814	1.85%
QC value within limits for Tl 190.801 A Recovery = 104.18%								
V 292.402 At	4705.2	0.050439	mg/L	0.0001902	0.050439	mg/L	0.0001902	0.38%
QC value within limits for V 292.402 A Recovery = 100.88%								
Zn 206.200 At	683.1	0.061393	mg/L	0.0002798	0.061393	mg/L	0.0002798	0.46%
QC value within limits for Zn 206.200 A Recovery = 102.32%								

All analyte(s) passed QC.

Sequence No.: 16
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 5/20/2009 5:30:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSA

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Lu 261.542 R	189914.1	189914.1	102.554	%			17:32:38
1	Al 308.215 Rt	240146.9	234112.0	236.434	mg/L	236.434	mg/L	17:32:38
1	B 249.677 Rt	-3.5	-8.6	-0.004413	mg/L	-0.004413	mg/L	17:33:08
1	Be 313.107 Rt	175.6	80.3	0.000569	mg/L	0.000569	mg/L	17:33:08
1	Ca 315.887 Rt	909371.6	886800.4	237.954	mg/L	237.954	mg/L	17:32:38
1	Fe 273.955 Rt	85421.9	83277.0	92.2584	mg/L	92.2584	mg/L	17:32:48
1	K 766.490 Rt	320.0	-14.1	-0.005456	mg/L	-0.005456	mg/L	17:32:48
1	Li 670.784 Rt	107.3	8.8	0.000102	mg/L	0.000102	mg/L	17:32:48
1	Mg 279.077 Rt	137033.4	133624.3	249.818	mg/L	249.818	mg/L	17:32:38
1	Mn 260.568 Rt	429.0	416.4	0.016894	mg/L	0.016894	mg/L	17:33:08
1	Na 589.592 Rt	6355.4	6129.3	0.787365	mg/L	0.787365	mg/L	17:32:48
1	Si 251.611 Rt	72.1	-12.4	-0.008922	mg/L	-0.008922	mg/L	17:33:08
1	SIO2 251.611 Rt	72.1	-12.4	-0.019093	mg/L	-0.019093	mg/L	17:33:08
1	Sr 421.552 Rt	71344.7	69404.3	0.095271	mg/L	0.095271	mg/L	17:32:48
1	Lu 261.542 A	2737522.5	2737522.5	99.6144	%			17:34:03
1	Ag 328.068 At	-885.1	-521.2	0.000501	mg/L	0.000501	mg/L	17:34:13
1	As 188.979 At	-5.4	7.2	0.006150	mg/L	0.006150	mg/L	17:34:34
1	Ba 233.527 At	208.6	271.7	0.006121	mg/L	0.006121	mg/L	17:34:34
1	Bi 222.821 At	77.5	35.4	-0.033123	mg/L	-0.033123	mg/L	17:34:34
1	Cd 226.502 At	620.9	684.2	-0.005995	mg/L	-0.005995	mg/L	17:34:34
1	Co 228.616 At	12.1	120.2	0.006317	mg/L	0.006317	mg/L	17:34:34
1	Cr 267.716 At	2113.9	1944.6	0.043084	mg/L	0.043084	mg/L	17:34:34
1	Cu 324.752 At	8615.0	4532.3	0.025407	mg/L	0.025407	mg/L	17:34:13
1	Ga 417.206 At	3831.3	3941.5	0.030740	mg/L	0.030740	mg/L	17:34:13
1	La 379.478 At	4080.2	4589.9	0.020358	mg/L	0.020358	mg/L	17:34:13
1	Mo 202.031 At	102.7	65.4	0.005940	mg/L	0.005940	mg/L	17:34:34
1	Ni 232.003 At	-653.2	-564.4	0.034963	mg/L	0.034963	mg/L	17:34:13
1	P 213.617 At	-36.0	41.3	0.052703	mg/L	0.052703	mg/L	17:34:34
1	Pb 220.353 At	38.3	-1.7	0.004086	mg/L	0.004086	mg/L	17:34:34
1	Sb 206.836 At	-5.9	6.6	0.000150	mg/L	0.000150	mg/L	17:34:34
1	Sc 361.383 At	-638.1	-632.7	-0.000496	mg/L	-0.000496	mg/L	17:34:13
1	Se 196.026 At	-11.3	19.8	0.021869	mg/L	0.021869	mg/L	17:34:34
1	Sn 189.927 At	-69.1	-31.7	-0.011471	mg/L	-0.011471	mg/L	17:34:34
1	Ti 336.121 At	-165.7	575.9	-0.005112	mg/L	-0.005112	mg/L	17:34:13
1	Tl 190.801 At	-13.4	-2.7	0.001905	mg/L	0.001905	mg/L	17:34:34
1	V 292.402 At	81.2	553.7	-0.000044	mg/L	-0.000044	mg/L	17:34:13
1	Zn 206.200 At	387.3	366.6	0.032944	mg/L	0.032944	mg/L	17:34:34
2	Lu 261.542 R	190936.5	190936.5	103.106	%			17:33:20
2	Al 308.215 Rt	241932.9	234590.3	236.917	mg/L	236.917	mg/L	17:33:20
2	B 249.677 Rt	4.5	-0.8	-0.000377	mg/L	-0.000377	mg/L	17:33:50
2	Be 313.107 Rt	173.8	77.6	0.000550	mg/L	0.000550	mg/L	17:33:50
2	Ca 315.887 Rt	912723.0	885303.0	237.552	mg/L	237.552	mg/L	17:33:20
2	Fe 273.955 Rt	85123.2	82541.3	91.4432	mg/L	91.4432	mg/L	17:33:30
2	K 766.490 Rt	341.3	4.9	0.001916	mg/L	0.001916	mg/L	17:33:30
2	Li 670.784 Rt	105.5	6.5	0.000075	mg/L	0.000075	mg/L	17:33:30
2	Mg 279.077 Rt	137840.3	133691.4	249.944	mg/L	249.944	mg/L	17:33:20
2	Mn 260.568 Rt	432.7	417.8	0.017039	mg/L	0.017039	mg/L	17:33:50
2	Na 589.592 Rt	6323.6	6065.4	0.779146	mg/L	0.779146	mg/L	17:33:30
2	Si 251.611 Rt	74.1	-10.8	-0.007777	mg/L	-0.007777	mg/L	17:33:50
2	SIO2 251.611 Rt	74.1	-10.8	-0.016644	mg/L	-0.016644	mg/L	17:33:50
2	Sr 421.552 Rt	71095.6	68790.3	0.094428	mg/L	0.094428	mg/L	17:33:30
2	Lu 261.542 A	2718430.0	2718430.0	98.9197	%			17:34:45
2	Ag 328.068 At	-863.4	-505.5	0.000584	mg/L	0.000584	mg/L	17:34:55
2	As 188.979 At	-12.3	0.2	-0.000611	mg/L	-0.000611	mg/L	17:35:15
2	Ba 233.527 At	212.3	276.9	0.006237	mg/L	0.006237	mg/L	17:35:15
2	Bi 222.821 At	78.8	37.2	-0.030820	mg/L	-0.030820	mg/L	17:35:15
2	Cd 226.502 At	626.8	694.5	-0.005503	mg/L	-0.005503	mg/L	17:35:15
2	Co 228.616 At	9.3	117.5	0.006173	mg/L	0.006173	mg/L	17:35:15
2	Cr 267.716 At	2120.9	1966.6	0.043587	mg/L	0.043587	mg/L	17:35:15
2	Cu 324.752 At	8554.0	4531.3	0.025401	mg/L	0.025401	mg/L	17:34:55

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2	Ga 417.206 At	3778.1	3914.6	0.030573 mg/L	0.030573 mg/L	17:34:55
2	La 379.478 At	4088.3	4626.9	0.020522 mg/L	0.020522 mg/L	17:34:55
2	Mo 202.031 At	93.6	56.9	0.004957 mg/L	0.004957 mg/L	17:35:15
2	Ni 232.003 At	-635.4	-551.0	0.035426 mg/L	0.035426 mg/L	17:34:55
2	P 213.617 At	-41.9	35.1	0.049401 mg/L	0.049401 mg/L	17:35:15
2	Pb 220.353 At	38.6	-1.0	0.004307 mg/L	0.004307 mg/L	17:35:15
2	Sb 206.836 At	-7.1	5.3	-0.000476 mg/L	-0.000476 mg/L	17:35:15
2	Sc 361.383 At	-673.9	-673.4	-0.000528 mg/L	-0.000528 mg/L	17:34:55
2	Se 196.026 At	-11.3	19.7	0.021669 mg/L	0.021669 mg/L	17:35:15
2	Sn 189.927 At	-77.8	-41.0	-0.014828 mg/L	-0.014828 mg/L	17:35:15
2	Ti 336.121 At	-161.4	579.0	-0.005100 mg/L	-0.005100 mg/L	17:34:55
2	Tl 190.801 At	-10.7	-0.0	0.005251 mg/L	0.005251 mg/L	17:35:15
2	V 292.402 At	84.6	557.7	0.000046 mg/L	0.000046 mg/L	17:34:55
2	Zn 206.200 At	387.6	369.6	0.033207 mg/L	0.033207 mg/L	17:35:15

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Lu 261.542 R	190425.3	102.830	%	0.3904				0.38%
Lu 261.542 A	2727976.2	99.2670	%	0.49126				0.49%
Ag 328.068 At	-513.4	0.000543	mg/L	0.0000591	0.000543	mg/L	0.0000591	10.90%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	234351.1	236.676	mg/L	0.3416	236.676	mg/L	0.3416	0.14%
QC value within limits for Al 308.215 R Recovery = 96.96%								
As 188.979 At	3.7	0.002770	mg/L	0.0047809	0.002770	mg/L	0.0047809	172.61%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	-4.7	-0.002395	mg/L	0.0028533	-0.002395	mg/L	0.0028533	119.13%
Ba 233.527 At	274.3	0.006179	mg/L	0.0000825	0.006179	mg/L	0.0000825	1.33%
QC value within limits for Ba 233.527 A Recovery = 308.96%								
Be 313.107 Rt	78.9	0.000560	mg/L	0.0000133	0.000560	mg/L	0.0000133	2.38%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	36.3	-0.031971	mg/L	0.0016287	-0.031971	mg/L	0.0016287	5.09%
Ca 315.887 Rt	886051.7	237.753	mg/L	0.2841	237.753	mg/L	0.2841	0.12%
QC value within limits for Ca 315.887 R Recovery = 101.21%								
Cd 226.502 At	689.4	-0.005749	mg/L	0.0003476	-0.005749	mg/L	0.0003476	6.05%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	118.8	0.006245	mg/L	0.0001014	0.006245	mg/L	0.0001014	1.62%
QC value within limits for Co 228.616 A Recovery = 156.12%								
Cr 267.716 At	1955.6	0.043336	mg/L	0.0003560	0.043336	mg/L	0.0003560	0.82%
QC value within limits for Cr 267.716 A Recovery = 100.78%								
Cu 324.752 At	4531.8	0.025404	mg/L	0.0000036	0.025404	mg/L	0.0000036	0.01%
QC value within limits for Cu 324.752 A Recovery = 110.45%								
Fe 273.955 Rt	82909.2	91.8508	mg/L	0.57646	91.8508	mg/L	0.57646	0.63%
QC value within limits for Fe 273.955 R Recovery = 96.08%								
Ga 417.206 At	3928.1	0.030656	mg/L	0.0001181	0.030656	mg/L	0.0001181	0.39%
K 766.490 Rt	-4.6	-0.001770	mg/L	0.0052129	-0.001770	mg/L	0.0052129	294.55%
La 379.478 At	4608.4	0.020440	mg/L	0.0001162	0.020440	mg/L	0.0001162	0.57%
Li 670.784 Rt	7.7	0.000089	mg/L	0.0000189	0.000089	mg/L	0.0000189	21.27%
Mg 279.077 Rt	133657.9	249.881	mg/L	0.0887	249.881	mg/L	0.0887	0.04%
QC value within limits for Mg 279.077 R Recovery = 100.96%								
Mn 260.568 Rt	417.1	0.016966	mg/L	0.0001025	0.016966	mg/L	0.0001025	0.60%
QC value within limits for Mn 260.568 R Recovery = 89.30%								
Mo 202.031 At	61.1	0.005448	mg/L	0.0006947	0.005448	mg/L	0.0006947	12.75%
Na 589.592 Rt	6097.4	0.783255	mg/L	0.0058118	0.783255	mg/L	0.0058118	0.74%
Ni 232.003 At	-557.7	0.035195	mg/L	0.0003271	0.035195	mg/L	0.0003271	0.93%
QC value within limits for Ni 232.003 A Recovery = 167.59%								
P 213.617 At	38.2	0.051052	mg/L	0.0023350	0.051052	mg/L	0.0023350	4.57%
Pb 220.353 At	-1.4	0.004196	mg/L	0.0001564	0.004196	mg/L	0.0001564	3.73%
QC value within limits for Pb 220.353 A Recovery = 41.96%								
Sb 206.836 At	6.0	-0.000163	mg/L	0.0004432	-0.000163	mg/L	0.0004432	272.01%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	-653.0	-0.000512	mg/L	0.0000226	-0.000512	mg/L	0.0000226	4.40%
Se 196.026 At	19.7	0.021769	mg/L	0.0001413	0.021769	mg/L	0.0001413	0.65%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-11.6	-0.008350	mg/L	0.0008093	-0.008350	mg/L	0.0008093	9.69%
SIO2 251.611 Rt	-11.6	-0.017868	mg/L	0.0017318	-0.017868	mg/L	0.0017318	9.69%
Sn 189.927 At	-36.4	-0.013150	mg/L	0.0023737	-0.013150	mg/L	0.0023737	18.05%
Sr 421.552 Rt	69097.3	0.094850	mg/L	0.0005961	0.094850	mg/L	0.0005961	0.63%
Ti 336.121 At	577.4	-0.005106	mg/L	0.0000088	-0.005106	mg/L	0.0000088	0.17%
Tl 190.801 At	-1.4	0.003578	mg/L	0.0023662	0.003578	mg/L	0.0023662	66.13%
QC value within limits for Tl 190.801 A Recovery = Not calculated								

V 292.402 At	555.7	0.000001 mg/L	0.0000641	0.000001 mg/L	0.0000641	>999.9%
QC value within limits for V 292.402 A Recovery = 0.11%						
Zn 206.200 At	368.1	0.033076 mg/L	0.0001860	0.033076 mg/L	0.0001860	0.56%
QC value within limits for Zn 206.200 A Recovery = 118.13%						

All analyte(s) passed QC.

Sequence No.: 17
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 5/20/2009 5:37:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: ICSAB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	182514.4	182514.4	98.5584	%			17:38:53
1	Al 308.215 R†	236941.3	240353.4	242.731	mg/L	242.731	mg/L	17:38:53
1	B 249.677 R†	14.0	9.0	0.004574	mg/L	0.004574	mg/L	17:39:23
1	Be 313.107 R†	71566.4	72522.3	0.510872	mg/L	0.510872	mg/L	17:38:53
1	Ca 315.887 R†	898606.0	911828.2	244.670	mg/L	244.670	mg/L	17:38:53
1	Fe 273.955 R†	83685.8	84892.5	94.0459	mg/L	94.0459	mg/L	17:39:03
1	K 766.490 R†	277.5	-44.5	-0.017243	mg/L	-0.017243	mg/L	17:39:03
1	Li 670.784 R†	86.4	-8.1	-0.000094	mg/L	-0.000094	mg/L	17:39:03
1	Mg 279.077 R†	134695.1	136669.2	255.511	mg/L	255.511	mg/L	17:38:53
1	Mn 260.568 R†	6993.0	7093.4	0.507502	mg/L	0.507502	mg/L	17:39:23
1	Na 589.592 R†	6154.9	6177.2	0.793517	mg/L	0.793517	mg/L	17:39:03
1	Si 251.611 R†	93.2	11.8	0.008235	mg/L	0.008235	mg/L	17:39:23
1	SIO2 251.611 R†	93.2	11.8	0.017624	mg/L	0.017624	mg/L	17:39:23
1	Sr 421.552 R†	69996.5	70857.0	0.097265	mg/L	0.097265	mg/L	17:39:03
1	Lu 261.542 A	2626926.6	2626926.6	95.5900	%			17:40:18
1	Ag 328.068 A†	30131.5	31888.9	0.213684	mg/L	0.213684	mg/L	17:40:28
1	As 188.979 A†	88.0	104.7	0.099174	mg/L	0.099174	mg/L	17:40:49
1	Ba 233.527 A†	21057.5	22091.3	0.497579	mg/L	0.497579	mg/L	17:40:28
1	Bi 222.821 A†	95.6	57.6	-0.020728	mg/L	-0.020728	mg/L	17:40:49
1	Cd 226.502 A†	35896.3	37613.3	0.967429	mg/L	0.967429	mg/L	17:40:28
1	Co 228.616 A†	8586.0	9090.2	0.478067	mg/L	0.478067	mg/L	17:40:49
1	Cr 267.716 A†	22447.9	23306.0	0.532872	mg/L	0.532872	mg/L	17:40:28
1	Cu 324.752 A†	103033.9	103671.3	0.581190	mg/L	0.581190	mg/L	17:40:28
1	Ga 417.206 A†	3529.5	3787.7	0.028311	mg/L	0.028311	mg/L	17:40:28
1	La 379.478 A†	4329.6	5023.2	0.022280	mg/L	0.022280	mg/L	17:40:28
1	Mo 202.031 A†	87.3	53.5	0.004514	mg/L	0.004514	mg/L	17:40:49
1	Ni 232.003 A†	9959.0	10509.8	1.06944	mg/L	1.06944	mg/L	17:40:49
1	P 213.617 A†	-21.9	54.6	0.045157	mg/L	0.045157	mg/L	17:40:49
1	Pb 220.353 A†	245.8	217.0	0.056770	mg/L	0.056770	mg/L	17:40:49
1	Sb 206.836 A†	1108.2	1171.8	0.608478	mg/L	0.608478	mg/L	17:40:49
1	Sc 361.383 A†	-642.0	-663.7	-0.000521	mg/L	-0.000521	mg/L	17:40:49
1	Se 196.026 A†	11.8	43.5	0.061911	mg/L	0.061911	mg/L	17:40:49
1	Sn 189.927 A†	-73.7	-39.5	-0.014273	mg/L	-0.014273	mg/L	17:40:49
1	Ti 336.121 A†	-244.8	486.1	-0.005613	mg/L	-0.005613	mg/L	17:40:28
1	Tl 190.801 A†	61.5	75.1	0.102996	mg/L	0.102996	mg/L	17:40:49
1	V 292.402 A†	44997.1	47545.2	0.504350	mg/L	0.504350	mg/L	17:40:28
1	Zn 206.200 A†	10333.4	10787.9	0.969046	mg/L	0.969046	mg/L	17:40:28
2	Lu 261.542 R	181405.8	181405.8	97.9598	%			17:39:34
2	Al 308.215 R†	237243.7	242131.2	244.527	mg/L	244.527	mg/L	17:39:34
2	B 249.677 R†	14.6	9.7	0.004893	mg/L	0.004893	mg/L	17:40:05
2	Be 313.107 R†	71075.8	72465.1	0.510469	mg/L	0.510469	mg/L	17:39:34
2	Ca 315.887 R†	895067.9	913788.0	245.196	mg/L	245.196	mg/L	17:39:34
2	Fe 273.955 R†	83973.0	85704.6	94.9458	mg/L	94.9458	mg/L	17:39:44
2	K 766.490 R†	296.6	-23.3	-0.009042	mg/L	-0.009042	mg/L	17:39:44
2	Li 670.784 R†	122.3	29.0	0.000335	mg/L	0.000335	mg/L	17:39:44
2	Mg 279.077 R†	134234.0	137033.7	256.192	mg/L	256.192	mg/L	17:39:34
2	Mn 260.568 R†	6990.0	7133.7	0.510386	mg/L	0.510386	mg/L	17:40:05
2	Na 589.592 R†	6200.4	6261.8	0.804380	mg/L	0.804380	mg/L	17:39:44
2	Si 251.611 R†	90.9	10.1	0.006982	mg/L	0.006982	mg/L	17:40:05
2	SIO2 251.611 R†	90.9	10.1	0.014942	mg/L	0.014942	mg/L	17:40:05
2	Sr 421.552 R†	70241.8	71541.4	0.098205	mg/L	0.098205	mg/L	17:39:44
2	Lu 261.542 A	2615601.0	2615601.0	95.1779	%			17:41:00
2	Ag 328.068 A†	29969.3	31854.9	0.213498	mg/L	0.213498	mg/L	17:41:11
2	As 188.979 A†	88.0	105.1	0.099605	mg/L	0.099605	mg/L	17:41:31
2	Ba 233.527 A†	20836.8	21954.9	0.494506	mg/L	0.494506	mg/L	17:41:11
2	Bi 222.821 A†	87.2	49.2	-0.029355	mg/L	-0.029355	mg/L	17:41:31
2	Cd 226.502 A†	35616.2	37481.7	0.963733	mg/L	0.963733	mg/L	17:41:11
2	Co 228.616 A†	8582.3	9125.1	0.479904	mg/L	0.479904	mg/L	17:41:31
2	Cr 267.716 A†	22276.6	23227.8	0.531073	mg/L	0.531073	mg/L	17:41:11
2	Cu 324.752 A†	101989.5	103040.7	0.577654	mg/L	0.577654	mg/L	17:41:11

2	Ga 417.206 At	3469.6	3740.7	0.027489 mg/L	0.027489 mg/L	17:41:11
2	La 379.478 At	4305.8	5017.9	0.022256 mg/L	0.022256 mg/L	17:41:11
2	Mo 202.031 At	95.6	62.7	0.005576 mg/L	0.005576 mg/L	17:41:31
2	Ni 232.003 At	9978.8	10575.7	1.07660 mg/L	1.07660 mg/L	17:41:31
2	P 213.617 At	-26.7	49.4	0.043058 mg/L	0.043058 mg/L	17:41:31
2	Pb 220.353 At	245.9	218.2	0.057107 mg/L	0.057107 mg/L	17:41:31
2	Sb 206.836 At	1108.2	1176.9	0.611160 mg/L	0.611160 mg/L	17:41:31
2	Sc 361.383 At	-643.9	-668.6	-0.000524 mg/L	-0.000524 mg/L	17:41:31
2	Se 196.026 At	17.8	49.8	0.072883 mg/L	0.072883 mg/L	17:41:31
2	Sn 189.927 At	-77.3	-43.6	-0.015767 mg/L	-0.015767 mg/L	17:41:31
2	Ti 336.121 At	-250.0	479.6	-0.005655 mg/L	-0.005655 mg/L	17:41:11
2	Tl 190.801 At	60.2	74.0	0.101615 mg/L	0.101615 mg/L	17:41:31
2	V 292.402 At	44511.1	47238.5	0.501007 mg/L	0.501007 mg/L	17:41:11
2	Zn 206.200 At	10217.9	10713.3	0.962341 mg/L	0.962341 mg/L	17:41:11

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	181960.1	98.2591	%	0.42329				0.43%
Lu 261.542 A	2621263.8	95.3839	%	0.29142				0.31%
Ag 328.068 At	31871.9	0.213591	mg/L	0.0001315	0.213591	mg/L	0.0001315	0.06%
QC value within limits for Ag 328.068 A Recovery = 103.69%								
Al 308.215 Rt	241242.3	243.629	mg/L	1.2696	243.629	mg/L	1.2696	0.52%
QC value within limits for Al 308.215 R Recovery = 101.05%								
As 188.979 At	104.9	0.099389	mg/L	0.0003053	0.099389	mg/L	0.0003053	0.31%
QC value within limits for As 188.979 A Recovery = 98.41%								
B 249.677 Rt	9.3	0.004733	mg/L	0.0002257	0.004733	mg/L	0.0002257	4.77%
Ba 233.527 At	22023.1	0.496042	mg/L	0.0021729	0.496042	mg/L	0.0021729	0.44%
QC value within limits for Ba 233.527 A Recovery = 100.21%								
Be 313.107 Rt	72493.7	0.510670	mg/L	0.0002847	0.510670	mg/L	0.0002847	0.06%
QC value within limits for Be 313.107 R Recovery = 107.51%								
Bi 222.821 At	53.4	-0.025042	mg/L	0.0061004	-0.025042	mg/L	0.0061004	24.36%
Ca 315.887 Rt	912808.1	244.933	mg/L	0.3719	244.933	mg/L	0.3719	0.15%
QC value within limits for Ca 315.887 R Recovery = 105.99%								
Cd 226.502 At	37547.5	0.965581	mg/L	0.0026132	0.965581	mg/L	0.0026132	0.27%
QC value within limits for Cd 226.502 A Recovery = 102.72%								
Co 228.616 At	9107.6	0.478986	mg/L	0.0012996	0.478986	mg/L	0.0012996	0.27%
QC value within limits for Co 228.616 A Recovery = 103.90%								
Cr 267.716 At	23266.9	0.531973	mg/L	0.0012714	0.531973	mg/L	0.0012714	0.24%
QC value within limits for Cr 267.716 A Recovery = 104.10%								
Cu 324.752 At	103356.0	0.579422	mg/L	0.0025003	0.579422	mg/L	0.0025003	0.43%
QC value within limits for Cu 324.752 A Recovery = 105.73%								
Fe 273.955 Rt	85298.6	94.4959	mg/L	0.63631	94.4959	mg/L	0.63631	0.67%
QC value within limits for Fe 273.955 R Recovery = 99.68%								
Ga 417.206 At	3764.2	0.027900	mg/L	0.0005816	0.027900	mg/L	0.0005816	2.08%
K 766.490 Rt	-33.9	-0.013143	mg/L	0.0057996	-0.013143	mg/L	0.0057996	44.13%
La 379.478 At	5020.6	0.022268	mg/L	0.0000167	0.022268	mg/L	0.0000167	0.08%
Li 670.784 Rt	10.5	0.000121	mg/L	0.0003031	0.000121	mg/L	0.0003031	250.99%
Mg 279.077 Rt	136851.4	255.852	mg/L	0.4818	255.852	mg/L	0.4818	0.19%
QC value within limits for Mg 279.077 R Recovery = 101.89%								
Mn 260.568 Rt	7113.5	0.508944	mg/L	0.0020393	0.508944	mg/L	0.0020393	0.40%
QC value within limits for Mn 260.568 R Recovery = 101.38%								
Mo 202.031 At	58.1	0.005045	mg/L	0.0007512	0.005045	mg/L	0.0007512	14.89%
Na 589.592 Rt	6219.5	0.798948	mg/L	0.0076816	0.798948	mg/L	0.0076816	0.96%
Ni 232.003 At	10542.8	1.07302	mg/L	0.005064	1.07302	mg/L	0.005064	0.47%
QC value within limits for Ni 232.003 A Recovery = 109.05%								
P 213.617 At	52.0	0.044107	mg/L	0.0014841	0.044107	mg/L	0.0014841	3.36%
Pb 220.353 At	217.6	0.056938	mg/L	0.0002382	0.056938	mg/L	0.0002382	0.42%
QC value within limits for Pb 220.353 A Recovery = 93.34%								
Sb 206.836 At	1174.3	0.609819	mg/L	0.0018969	0.609819	mg/L	0.0018969	0.31%
QC value within limits for Sb 206.836 A Recovery = 103.53%								
Sc 361.383 At	-666.1	-0.000522	mg/L	0.0000027	-0.000522	mg/L	0.0000027	0.52%
Se 196.026 At	46.6	0.067397	mg/L	0.0077580	0.067397	mg/L	0.0077580	11.51%
QC value within limits for Se 196.026 A Recovery = 127.16%								
Si 251.611 Rt	10.9	0.007609	mg/L	0.0008860	0.007609	mg/L	0.0008860	11.64%
SIO2 251.611 Rt	10.9	0.016283	mg/L	0.0018961	0.016283	mg/L	0.0018961	11.64%
Sn 189.927 At	-41.6	-0.015020	mg/L	0.0010563	-0.015020	mg/L	0.0010563	7.03%
Sr 421.552 Rt	71199.2	0.097735	mg/L	0.0006643	0.097735	mg/L	0.0006643	0.68%
Ti 336.121 At	482.9	-0.005634	mg/L	0.0000299	-0.005634	mg/L	0.0000299	0.53%
Tl 190.801 At	74.5	0.102305	mg/L	0.0009768	0.102305	mg/L	0.0009768	0.95%
QC value within limits for Tl 190.801 A Recovery = 99.33%								

V 292.402 At	47391.8	0.502679	mg/L	0.0023641	0.502679	mg/L	0.0023641	0.47%
QC value within limits for V 292.402 A Recovery = 101.76%								
Zn 206.200 At	10750.6	0.965693	mg/L	0.0047411	0.965693	mg/L	0.0047411	0.49%
QC value within limits for Zn 206.200 A Recovery = 93.94%								

All analyte(s) passed QC.

Method: ILM05 OPT5 Page 41 Date: 5/20/2009 5:47:28 PM

Sequence No.: 18
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 5/20/2009 5:43:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	187664.9	187664.9	101.340	%			17:45:06
1	Al 308.215 Rt	2108.0	2026.5	1.98768	mg/L	1.98768	mg/L	17:45:27
1	B 249.677 Rt	3977.8	3920.0	2.02370	mg/L	2.02370	mg/L	17:45:27
1	Be 313.107 Rt	295667.6	291667.9	2.05442	mg/L	2.05442	mg/L	17:45:06
1	Ca 315.887 Rt	77614.0	76666.4	20.5718	mg/L	20.5718	mg/L	17:45:06
1	Fe 273.955 Rt	9188.3	9049.5	10.0192	mg/L	10.0192	mg/L	17:45:27
1	K 766.490 Rt	53047.1	52019.7	20.1541	mg/L	20.1541	mg/L	17:45:06
1	Li 670.784 Rt	153.7	55.9	0.000645	mg/L	0.000645	mg/L	17:45:27
1	Mg 279.077 Rt	10957.2	10816.3	20.2218	mg/L	20.2218	mg/L	17:45:27
1	Mn 260.568 Rt	27462.2	27097.3	1.99090	mg/L	1.99090	mg/L	17:45:27
1	Na 589.592 Rt	158331.1	156170.2	20.0613	mg/L	20.0613	mg/L	17:45:06
1	Si 251.611 Rt	1657.4	1552.8	1.04114	mg/L	1.04114	mg/L	17:45:27
1	SIO2 251.611 Rt	1657.4	1552.8	2.22805	mg/L	2.22805	mg/L	17:45:27
1	Sr 421.552 Rt	1119.6	941.4	0.001292	mg/L	0.001292	mg/L	17:45:27
1	Lu 261.542 A	2741737.3	2741737.3	99.7678	%			17:46:13
1	Ag 328.068 At	307035.5	308117.5	2.02441	mg/L	2.02441	mg/L	17:46:23
1	As 188.979 At	2127.6	2145.2	2.06222	mg/L	2.06222	mg/L	17:46:44
1	Ba 233.527 At	90634.8	90908.1	2.04759	mg/L	2.04759	mg/L	17:46:23
1	Bi 222.821 At	90.1	47.9	0.003911	mg/L	0.003911	mg/L	17:46:44
1	Cd 226.502 At	77740.9	77982.8	2.05364	mg/L	2.05364	mg/L	17:46:23
1	Co 228.616 At	38554.2	38751.9	2.03323	mg/L	2.03323	mg/L	17:46:23
1	Cr 267.716 At	89251.0	89281.3	2.04750	mg/L	2.04750	mg/L	17:46:23
1	Cu 324.752 At	366576.3	363313.5	2.03671	mg/L	2.03671	mg/L	17:46:13
1	Ga 417.206 At	943.0	1040.5	0.003334	mg/L	0.003334	mg/L	17:46:23
1	La 379.478 At	1053.7	1550.1	0.006875	mg/L	0.006875	mg/L	17:46:23
1	Mo 202.031 At	18118.3	18122.7	2.07758	mg/L	2.07758	mg/L	17:46:23
1	Ni 232.003 At	21967.4	22109.9	2.03276	mg/L	2.03276	mg/L	17:46:23
1	P 213.617 At	-31.8	45.6	-0.008668	mg/L	-0.008668	mg/L	17:46:44
1	Pb 220.353 At	8344.8	8324.1	2.02321	mg/L	2.02321	mg/L	17:46:44
1	Sb 206.836 At	3959.2	3980.9	2.08094	mg/L	2.08094	mg/L	17:46:44
1	Sc 361.383 At	-100.3	-92.6	-0.000073	mg/L	-0.000073	mg/L	17:46:44
1	Se 196.026 At	1165.3	1199.1	2.05348	mg/L	2.05348	mg/L	17:46:44
1	Sn 189.927 At	-45.0	-7.6	-0.002729	mg/L	-0.002729	mg/L	17:46:44
1	Ti 336.121 At	563095.8	565148.7	2.04735	mg/L	2.04735	mg/L	17:46:13
1	Tl 190.801 At	1581.5	1595.9	2.06456	mg/L	2.06456	mg/L	17:46:44
1	V 292.402 At	189180.9	190093.5	2.05400	mg/L	2.05400	mg/L	17:46:23
1	Zn 206.200 At	22707.0	22737.6	2.03608	mg/L	2.03608	mg/L	17:46:23
2	Lu 261.542 R	186514.5	186514.5	100.719	%			17:45:38
2	Al 308.215 Rt	2110.0	2041.4	2.00286	mg/L	2.00286	mg/L	17:45:58
2	B 249.677 Rt	3959.2	3925.8	2.02670	mg/L	2.02670	mg/L	17:45:58
2	Be 313.107 Rt	294772.3	292578.5	2.06083	mg/L	2.06083	mg/L	17:45:38
2	Ca 315.887 Rt	77445.6	76971.5	20.6537	mg/L	20.6537	mg/L	17:45:38
2	Fe 273.955 Rt	9178.5	9095.7	10.0704	mg/L	10.0704	mg/L	17:45:58
2	K 766.490 Rt	52975.8	52271.8	20.2518	mg/L	20.2518	mg/L	17:45:38
2	Li 670.784 Rt	169.5	72.5	0.000838	mg/L	0.000838	mg/L	17:45:58
2	Mg 279.077 Rt	10958.4	10884.2	20.3487	mg/L	20.3487	mg/L	17:45:58
2	Mn 260.568 Rt	27408.1	27210.7	1.99924	mg/L	1.99924	mg/L	17:45:58
2	Na 589.592 Rt	157510.0	156318.6	20.0804	mg/L	20.0804	mg/L	17:45:38
2	Si 251.611 Rt	1657.1	1562.6	1.04816	mg/L	1.04816	mg/L	17:45:58
2	SIO2 251.611 Rt	1657.1	1562.6	2.24306	mg/L	2.24306	mg/L	17:45:58
2	Sr 421.552 Rt	1127.6	956.3	0.001313	mg/L	0.001313	mg/L	17:45:58
2	Lu 261.542 A	2743099.2	2743099.2	99.8173	%			17:46:56
2	Ag 328.068 At	306069.1	306996.5	2.01705	mg/L	2.01705	mg/L	17:47:07
2	As 188.979 At	2117.9	2134.4	2.05180	mg/L	2.05180	mg/L	17:47:27
2	Ba 233.527 At	90257.4	90484.9	2.03806	mg/L	2.03806	mg/L	17:47:07
2	Bi 222.821 At	89.0	46.7	0.003006	mg/L	0.003006	mg/L	17:47:27
2	Cd 226.502 At	77445.7	77648.3	2.04481	mg/L	2.04481	mg/L	17:47:07
2	Co 228.616 At	38376.5	38554.7	2.02286	mg/L	2.02286	mg/L	17:47:07
2	Cr 267.716 At	88960.8	88946.1	2.03981	mg/L	2.03981	mg/L	17:47:07
2	Cu 324.752 At	366909.3	363464.7	2.03756	mg/L	2.03756	mg/L	17:46:56

2	Ga 417.206 At	959.2	1056.3	0.003536 mg/L	0.003536 mg/L	17:47:07
2	La 379.478 At	1046.8	1542.6	0.006842 mg/L	0.006842 mg/L	17:47:07
2	Mo 202.031 At	18063.0	18058.3	2.07018 mg/L	2.07018 mg/L	17:47:07
2	Ni 232.003 At	21916.2	22047.7	2.02722 mg/L	2.02722 mg/L	17:47:07
2	P 213.617 At	-34.9	42.4	-0.010211 mg/L	-0.010211 mg/L	17:47:27
2	Pb 220.353 At	8321.5	8296.7	2.01652 mg/L	2.01652 mg/L	17:47:27
2	Sb 206.836 At	3934.7	3954.4	2.06706 mg/L	2.06706 mg/L	17:47:27
2	Sc 361.383 At	-100.6	-92.9	-0.000073 mg/L	-0.000073 mg/L	17:47:27
2	Se 196.026 At	1162.4	1195.7	2.04758 mg/L	2.04758 mg/L	17:47:27
2	Sn 189.927 At	-44.9	-7.4	-0.002665 mg/L	-0.002665 mg/L	17:47:27
2	Ti 336.121 At	562880.9	564653.2	2.04555 mg/L	2.04555 mg/L	17:46:56
2	Tl 190.801 At	1571.0	1584.6	2.05006 mg/L	2.05006 mg/L	17:47:27
2	V 292.402 At	188506.3	189323.5	2.04568 mg/L	2.04568 mg/L	17:47:07
2	Zn 206.200 At	22717.0	22736.4	2.03598 mg/L	2.03598 mg/L	17:47:07

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	187089.7	101.029	%	0.4392				0.43%
Lu 261.542 A	2742418.2	99.7926	%	0.03504				0.04%
Ag 328.068 At	307557.0	2.02073	mg/L	0.005203	2.02073	mg/L	0.005203	0.26%
QC value within limits for Ag 328.068 A Recovery = 101.04%								
Al 308.215 Rt	2033.9	1.99527	mg/L	0.010729	1.99527	mg/L	0.010729	0.54%
QC value within limits for Al 308.215 R Recovery = 99.76%								
As 188.979 At	2139.8	2.05701	mg/L	0.007368	2.05701	mg/L	0.007368	0.36%
QC value within limits for As 188.979 A Recovery = 102.85%								
B 249.677 Rt	3922.9	2.02520	mg/L	0.002117	2.02520	mg/L	0.002117	0.10%
Ba 233.527 At	90696.5	2.04283	mg/L	0.006740	2.04283	mg/L	0.006740	0.33%
QC value within limits for Ba 233.527 A Recovery = 102.14%								
Be 313.107 Rt	292123.2	2.05763	mg/L	0.004535	2.05763	mg/L	0.004535	0.22%
QC value within limits for Be 313.107 R Recovery = 102.88%								
Bi 222.821 At	47.3	0.003458	mg/L	0.0006404	0.003458	mg/L	0.0006404	18.52%
Ca 315.887 Rt	76818.9	20.6127	mg/L	0.05789	20.6127	mg/L	0.05789	0.28%
QC value within limits for Ca 315.887 R Recovery = 103.06%								
Cd 226.502 At	77815.6	2.04923	mg/L	0.006244	2.04923	mg/L	0.006244	0.30%
QC value within limits for Cd 226.502 A Recovery = 102.46%								
Co 228.616 At	38653.3	2.02805	mg/L	0.007332	2.02805	mg/L	0.007332	0.36%
QC value within limits for Co 228.616 A Recovery = 101.40%								
Cr 267.716 At	89113.7	2.04365	mg/L	0.005437	2.04365	mg/L	0.005437	0.27%
QC value within limits for Cr 267.716 A Recovery = 102.18%								
Cu 324.752 At	363389.1	2.03713	mg/L	0.000601	2.03713	mg/L	0.000601	0.03%
QC value within limits for Cu 324.752 A Recovery = 101.86%								
Fe 273.955 Rt	9072.6	10.0448	mg/L	0.03619	10.0448	mg/L	0.03619	0.36%
QC value within limits for Fe 273.955 R Recovery = 100.45%								
Ga 417.206 At	1048.4	0.003435	mg/L	0.0001433	0.003435	mg/L	0.0001433	4.17%
K 766.490 Rt	52145.7	20.2029	mg/L	0.06906	20.2029	mg/L	0.06906	0.34%
QC value within limits for K 766.490 R Recovery = 101.01%								
La 379.478 At	1546.4	0.006859	mg/L	0.0000233	0.006859	mg/L	0.0000233	0.34%
Li 670.784 Rt	64.2	0.000741	mg/L	0.0001361	0.000741	mg/L	0.0001361	18.36%
Mg 279.077 Rt	10850.3	20.2853	mg/L	0.08976	20.2853	mg/L	0.08976	0.44%
QC value within limits for Mg 279.077 R Recovery = 101.43%								
Mn 260.568 Rt	27154.0	1.99507	mg/L	0.005898	1.99507	mg/L	0.005898	0.30%
QC value within limits for Mn 260.568 R Recovery = 99.75%								
Mo 202.031 At	18090.5	2.07388	mg/L	0.005228	2.07388	mg/L	0.005228	0.25%
Na 589.592 Rt	156244.4	20.0709	mg/L	0.01348	20.0709	mg/L	0.01348	0.07%
QC value within limits for Na 589.592 R Recovery = 100.35%								
Ni 232.003 At	22078.8	2.02999	mg/L	0.003923	2.02999	mg/L	0.003923	0.19%
QC value within limits for Ni 232.003 A Recovery = 101.50%								
P 213.617 At	44.0	-0.009439	mg/L	0.0010907	-0.009439	mg/L	0.0010907	11.56%
Pb 220.353 At	8310.4	2.01987	mg/L	0.004729	2.01987	mg/L	0.004729	0.23%
QC value within limits for Pb 220.353 A Recovery = 100.99%								
Sb 206.836 At	3967.7	2.07400	mg/L	0.009811	2.07400	mg/L	0.009811	0.47%
QC value within limits for Sb 206.836 A Recovery = 103.70%								
Sc 361.383 At	-92.8	-0.000073	mg/L	0.0000001	-0.000073	mg/L	0.0000001	0.18%
Se 196.026 At	1197.4	2.05053	mg/L	0.004170	2.05053	mg/L	0.004170	0.20%
QC value within limits for Se 196.026 A Recovery = 102.53%								
Si 251.611 Rt	1557.7	1.04465	mg/L	0.004960	1.04465	mg/L	0.004960	0.47%
SIO2 251.611 Rt	1557.7	2.23555	mg/L	0.010614	2.23555	mg/L	0.010614	0.47%
Sn 189.927 At	-7.5	-0.002697	mg/L	0.0000447	-0.002697	mg/L	0.0000447	1.66%
Sr 421.552 Rt	948.8	0.001302	mg/L	0.0000144	0.001302	mg/L	0.0000144	1.10%
Ti 336.121 At	564900.9	2.04645	mg/L	0.001272	2.04645	mg/L	0.001272	0.06%

Tl 190.801 A†	1590.2	2.05731	mg/L	0.010257	2.05731	mg/L	0.010257	0.50%
QC value within limits for Tl 190.801 A Recovery = 102.87%								
V 292.402 A†	189708.5	2.04984	mg/L	0.005884	2.04984	mg/L	0.005884	0.29%
QC value within limits for V 292.402 A Recovery = 102.49%								
Zn 206.200 A†	22737.0	2.03603	mg/L	0.000072	2.03603	mg/L	0.000072	0.00%
QC value within limits for Zn 206.200 A Recovery = 101.80%								

All analyte(s) passed QC.

Sequence No.: 19
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/20/2009 5:49:18 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Lu 261.542 R	184083.0	184083.0	99.4055	%			17:51:07
1	Al 308.215 Rt	55.6	2.3	0.002252	mg/L	0.002252	mg/L	17:51:27
1	B 249.677 Rt	11.3	6.2	0.003196	mg/L	0.003196	mg/L	17:51:27
1	Be 313.107 Rt	99.5	9.1	0.000064	mg/L	0.000064	mg/L	17:51:27
1	Ca 315.887 Rt	-68.9	9.1	0.002442	mg/L	0.002442	mg/L	17:51:27
1	Fe 273.955 Rt	14.1	-3.1	-0.003453	mg/L	-0.003453	mg/L	17:51:27
1	K 766.490 Rt	344.7	20.7	0.008028	mg/L	0.008028	mg/L	17:51:07
1	Li 670.784 Rt	69.1	-26.3	-0.000303	mg/L	-0.000303	mg/L	17:51:07
1	Mg 279.077 Rt	-0.3	3.7	0.006851	mg/L	0.006851	mg/L	17:51:27
1	Mn 260.568 Rt	0.3	-1.6	-0.000120	mg/L	-0.000120	mg/L	17:51:27
1	Na 589.592 Rt	67.8	0.5	0.000066	mg/L	0.000066	mg/L	17:51:07
1	Si 251.611 Rt	40.8	-41.7	-0.029474	mg/L	-0.029474	mg/L	17:51:27
1	SIO2 251.611 Rt	40.8	-41.7	-0.063074	mg/L	-0.063074	mg/L	17:51:27
1	Sr 421.552 Rt	179.3	17.0	0.000023	mg/L	0.000023	mg/L	17:51:07
1	Lu 261.542 A	2768629.1	2768629.1	100.746	%			17:52:11
1	Ag 328.068 At	-340.7	29.1	0.000192	mg/L	0.000192	mg/L	17:52:21
1	As 188.979 At	-13.1	-0.4	-0.000348	mg/L	-0.000348	mg/L	17:52:42
1	Ba 233.527 At	-59.7	3.1	0.000069	mg/L	0.000069	mg/L	17:52:42
1	Bi 222.821 At	37.4	-5.3	-0.005105	mg/L	-0.005105	mg/L	17:52:42
1	Cd 226.502 At	-60.2	1.2	0.000030	mg/L	0.000030	mg/L	17:52:42
1	Co 228.616 At	-103.1	5.7	0.000301	mg/L	0.000301	mg/L	17:52:42
1	Cr 267.716 At	184.1	5.3	0.000121	mg/L	0.000121	mg/L	17:52:42
1	Cu 324.752 At	4196.2	49.0	0.000275	mg/L	0.000275	mg/L	17:52:21
1	Ga 417.206 At	-86.0	10.0	0.000131	mg/L	0.000131	mg/L	17:52:21
1	La 379.478 At	-486.5	11.0	0.000049	mg/L	0.000049	mg/L	17:52:21
1	Mo 202.031 At	49.9	11.7	0.001363	mg/L	0.001363	mg/L	17:52:42
1	Ni 232.003 At	-93.8	-1.7	-0.000174	mg/L	-0.000174	mg/L	17:52:42
1	P 213.617 At	-81.6	-3.6	-0.001735	mg/L	-0.001735	mg/L	17:52:42
1	Pb 220.353 At	41.2	0.8	0.000193	mg/L	0.000193	mg/L	17:52:42
1	Sb 206.836 At	-9.0	3.5	0.001850	mg/L	0.001850	mg/L	17:52:42
1	Sc 361.383 At	0.5	8.4	0.000007	mg/L	0.000007	mg/L	17:52:21
1	Se 196.026 At	-27.7	3.7	0.006288	mg/L	0.006288	mg/L	17:52:42
1	Sn 189.927 At	-35.5	2.3	0.000837	mg/L	0.000837	mg/L	17:52:42
1	Ti 336.121 At	-699.0	48.4	0.000175	mg/L	0.000175	mg/L	17:52:21
1	Tl 190.801 At	-10.2	0.7	0.000851	mg/L	0.000851	mg/L	17:52:42
1	V 292.402 At	-461.0	14.6	0.000167	mg/L	0.000167	mg/L	17:52:21
1	Zn 206.200 At	21.6	-0.7	-0.000073	mg/L	-0.000073	mg/L	17:52:42
2	Lu 261.542 R	188103.3	188103.3	101.576	%			17:51:38
2	Al 308.215 Rt	53.8	-0.7	-0.000702	mg/L	-0.000702	mg/L	17:51:58
2	B 249.677 Rt	11.6	6.2	0.003187	mg/L	0.003187	mg/L	17:51:58
2	Be 313.107 Rt	99.2	6.7	0.000047	mg/L	0.000047	mg/L	17:51:58
2	Ca 315.887 Rt	-72.6	6.9	0.001854	mg/L	0.001854	mg/L	17:51:58
2	Fe 273.955 Rt	12.9	-4.6	-0.005050	mg/L	-0.005050	mg/L	17:51:58
2	K 766.490 Rt	324.0	-7.1	-0.002747	mg/L	-0.002747	mg/L	17:51:38
2	Li 670.784 Rt	87.6	-9.5	-0.000110	mg/L	-0.000110	mg/L	17:51:38
2	Mg 279.077 Rt	-1.3	2.7	0.005000	mg/L	0.005000	mg/L	17:51:58
2	Mn 260.568 Rt	3.7	1.8	0.000132	mg/L	0.000132	mg/L	17:51:58
2	Na 589.592 Rt	70.9	2.1	0.000266	mg/L	0.000266	mg/L	17:51:38
2	Si 251.611 Rt	44.0	-39.4	-0.027870	mg/L	-0.027870	mg/L	17:51:58
2	SIO2 251.611 Rt	44.0	-39.4	-0.059642	mg/L	-0.059642	mg/L	17:51:58
2	Sr 421.552 Rt	170.7	4.7	0.000006	mg/L	0.000006	mg/L	17:51:38
2	Lu 261.542 A	2786304.4	2786304.4	101.390	%			17:52:53
2	Ag 328.068 At	-334.6	37.2	0.000244	mg/L	0.000244	mg/L	17:53:03
2	As 188.979 At	-12.4	0.4	0.000382	mg/L	0.000382	mg/L	17:53:23
2	Ba 233.527 At	-62.0	1.2	0.000028	mg/L	0.000028	mg/L	17:53:23
2	Bi 222.821 At	38.3	-4.6	-0.004431	mg/L	-0.004431	mg/L	17:53:23
2	Cd 226.502 At	-63.2	-1.4	-0.000038	mg/L	-0.000038	mg/L	17:53:23
2	Co 228.616 At	-109.3	0.2	0.000010	mg/L	0.000010	mg/L	17:53:23
2	Cr 267.716 At	177.5	-2.4	-0.000055	mg/L	-0.000055	mg/L	17:53:23
2	Cu 324.752 At	4225.8	51.9	0.000290	mg/L	0.000290	mg/L	17:53:03

Method: ILMO5 OPT5 Page 45 Date: 5/20/2009 5:53:25 PM

2	Ga 417.206 At	-109.5	-12.7	-0.000166 mg/L	-0.000166 mg/L	17:53:03
2	La 379.478 At	-473.3	27.1	0.000120 mg/L	0.000120 mg/L	17:53:03
2	Mo 202.031 At	48.8	10.4	0.001203 mg/L	0.001203 mg/L	17:53:23
2	Ni 232.003 At	-97.3	-4.6	-0.000444 mg/L	-0.000444 mg/L	17:53:23
2	P 213.617 At	-73.2	5.3	0.002537 mg/L	0.002537 mg/L	17:53:23
2	Pb 220.353 At	43.9	3.2	0.000773 mg/L	0.000773 mg/L	17:53:23
2	Sb 206.836 At	-6.7	5.9	0.003101 mg/L	0.003101 mg/L	17:53:23
2	Sc 361.383 At	-6.1	1.9	0.000001 mg/L	0.000001 mg/L	17:53:03
2	Se 196.026 At	-28.3	3.2	0.005423 mg/L	0.005423 mg/L	17:53:23
2	Sn 189.927 At	-34.1	3.9	0.001419 mg/L	0.001419 mg/L	17:53:23
2	Ti 336.121 At	-723.0	29.1	0.000105 mg/L	0.000105 mg/L	17:53:03
2	Tl 190.801 At	-9.0	1.8	0.002389 mg/L	0.002389 mg/L	17:53:23
2	V 292.402 At	-459.2	19.3	0.000215 mg/L	0.000215 mg/L	17:53:03
2	Zn 206.200 At	21.4	-1.2	-0.000111 mg/L	-0.000111 mg/L	17:53:23

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Lu 261.542 R	186093.2	100.491	%	1.5351				1.53%
Lu 261.542 A	2777466.8	101.068	%	0.4548				0.45%
Ag 328.068 At	33.2	0.000218	mg/L	0.0000365	0.000218	mg/L	0.0000365	16.74%
QC value within limits for Ag 328.068 A Recovery = Not calculated								
Al 308.215 Rt	0.8	0.000775	mg/L	0.0020882	0.000775	mg/L	0.0020882	269.45%
QC value within limits for Al 308.215 R Recovery = Not calculated								
As 188.979 At	0.0	0.000017	mg/L	0.0005166	0.000017	mg/L	0.0005166	>999.9%
QC value within limits for As 188.979 A Recovery = Not calculated								
B 249.677 Rt	6.2	0.003191	mg/L	0.0000061	0.003191	mg/L	0.0000061	0.19%
Ba 233.527 At	2.2	0.000049	mg/L	0.0000295	0.000049	mg/L	0.0000295	60.73%
QC value within limits for Ba 233.527 A Recovery = Not calculated								
Be 313.107 Rt	7.9	0.000056	mg/L	0.0000121	0.000056	mg/L	0.0000121	21.63%
QC value within limits for Be 313.107 R Recovery = Not calculated								
Bi 222.821 At	-5.0	-0.004768	mg/L	0.0004766	-0.004768	mg/L	0.0004766	10.00%
Ca 315.887 Rt	8.0	0.002148	mg/L	0.0004156	0.002148	mg/L	0.0004156	19.35%
QC value within limits for Ca 315.887 R Recovery = Not calculated								
Cd 226.502 At	-0.1	-0.000004	mg/L	0.0000484	-0.000004	mg/L	0.0000484	>999.9%
QC value within limits for Cd 226.502 A Recovery = Not calculated								
Co 228.616 At	3.0	0.000156	mg/L	0.0002056	0.000156	mg/L	0.0002056	132.15%
QC value within limits for Co 228.616 A Recovery = Not calculated								
Cr 267.716 At	1.4	0.000033	mg/L	0.0001243	0.000033	mg/L	0.0001243	378.52%
QC value within limits for Cr 267.716 A Recovery = Not calculated								
Cu 324.752 At	50.4	0.000282	mg/L	0.0000111	0.000282	mg/L	0.0000111	3.93%
QC value within limits for Cu 324.752 A Recovery = Not calculated								
Fe 273.955 Rt	-3.8	-0.004252	mg/L	0.0011298	-0.004252	mg/L	0.0011298	26.57%
QC value within limits for Fe 273.955 R Recovery = Not calculated								
Ga 417.206 At	-1.4	-0.000018	mg/L	0.0002105	-0.000018	mg/L	0.0002105	>999.9%
K 766.490 Rt	6.8	0.002641	mg/L	0.0076191	0.002641	mg/L	0.0076191	288.54%
QC value within limits for K 766.490 R Recovery = Not calculated								
La 379.478 At	19.0	0.000084	mg/L	0.0000504	0.000084	mg/L	0.0000504	59.72%
Li 670.784 Rt	-17.9	-0.000207	mg/L	0.0001368	-0.000207	mg/L	0.0001368	66.17%
Mg 279.077 Rt	3.2	0.005926	mg/L	0.0013087	0.005926	mg/L	0.0013087	22.09%
QC value within limits for Mg 279.077 R Recovery = Not calculated								
Mn 260.568 Rt	0.1	0.000006	mg/L	0.0001777	0.000006	mg/L	0.0001777	>999.9%
QC value within limits for Mn 260.568 R Recovery = Not calculated								
Mo 202.031 At	11.0	0.001283	mg/L	0.0001132	0.001283	mg/L	0.0001132	8.82%
Na 589.592 Rt	1.3	0.000166	mg/L	0.0001416	0.000166	mg/L	0.0001416	85.30%
QC value within limits for Na 589.592 R Recovery = Not calculated								
Ni 232.003 At	-3.2	-0.000309	mg/L	0.0001908	-0.000309	mg/L	0.0001908	61.75%
QC value within limits for Ni 232.003 A Recovery = Not calculated								
P 213.617 At	0.8	0.000401	mg/L	0.0030204	0.000401	mg/L	0.0030204	753.48%
QC value within limits for P 213.617 A Recovery = Not calculated								
Pb 220.353 At	2.0	0.000483	mg/L	0.0004108	0.000483	mg/L	0.0004108	85.05%
QC value within limits for Pb 220.353 A Recovery = Not calculated								
Sb 206.836 At	4.7	0.002475	mg/L	0.0008846	0.002475	mg/L	0.0008846	35.74%
QC value within limits for Sb 206.836 A Recovery = Not calculated								
Sc 361.383 At	5.2	0.000004	mg/L	0.0000037	0.000004	mg/L	0.0000037	90.41%
Se 196.026 At	3.4	0.005856	mg/L	0.0006116	0.005856	mg/L	0.0006116	10.44%
QC value within limits for Se 196.026 A Recovery = Not calculated								
Si 251.611 Rt	-40.5	-0.028672	mg/L	0.0011339	-0.028672	mg/L	0.0011339	3.95%
SIO2 251.611 Rt	-40.5	-0.061358	mg/L	0.0024265	-0.061358	mg/L	0.0024265	3.95%
Sn 189.927 At	3.1	0.001128	mg/L	0.0004114	0.001128	mg/L	0.0004114	36.48%
Sr 421.552 Rt	10.8	0.000015	mg/L	0.0000119	0.000015	mg/L	0.0000119	80.06%

Ti 336.121 At	38.7	0.000140	mg/L	0.0000495	0.000140	mg/L	0.0000495 35.27%
Tl 190.801 At	1.3	0.001620	mg/L	0.0010871	0.001620	mg/L	0.0010871 67.11%
QC value within limits for Tl 190.801 A Recovery = Not calculated							
V 292.402 At	17.0	0.000191	mg/L	0.0000343	0.000191	mg/L	0.0000343 17.94%
QC value within limits for V 292.402 A Recovery = Not calculated							
Zn 206.200 At	-0.9	-0.000092	mg/L	0.0000266	-0.000092	mg/L	0.0000266 28.90%
QC value within limits for Zn 206.200 A Recovery = Not calculated							

All analyte(s) passed QC.

W920063

SVL ANALYTICAL

Log/Preparation Bench Sheet

W920063

See Extraction Comments

Matrix: Solid
Prepared using: CS1

Earliest Due: 05/21/09 Earliest Expiration: 06/02/09 09:25

SDG #: ME2QQ1
Case #: 38525
NRAS #: N/A

			Origin	Hold Time Expires	Home Location	Client	Due Date
W920063-BLK1	PBS	[0.2g - 100mL]		Parent Container Location: RecvRm Cooler 3 A			
W920063-BS1	LCSS	[0.2g - 100mL]	Spike 1: 09E0084				
W920063-DUP1	ME2QR8D [W9E0163-16]	[0.2g - 100mL]					
W920063-MS1	ME2QR8S [W9E0163-16]	[0.2g - 100mL]	Spike 1: 09E0137				
W9E0163-01	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ1	[0.2g - 100mL]		02-Jun-09 09:25	Boiler Room	US EPA	
W9E0163-02	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ2	[0.2g - 100mL]		02-Jun-09 09:40	Boiler Room	US EPA	
W9E0163-03	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ3	[0.2g - 100mL]		02-Jun-09 10:30	Boiler Room	US EPA	
W9E0163-04	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ4	[0.2g - 100mL]		02-Jun-09 10:42	Boiler Room	US EPA	
W9E0163-05	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ5	[0.2g - 100mL]		02-Jun-09 12:20	Boiler Room	US EPA	
W9E0163-06	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ6	[0.2g - 100mL]		02-Jun-09 12:35	Boiler Room	US EPA	
W9E0163-07	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ7	[0.2g - 100mL]		02-Jun-09 13:15	Boiler Room	US EPA	
W9E0163-08	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QQ8	[0.2g - 100mL]		02-Jun-09 13:30	Boiler Room	US EPA	
W9E0163-09	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR1	[0.2g - 100mL]		02-Jun-09 09:39	Boiler Room	US EPA	
W9E0163-10	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR2	[0.2g - 100mL]		02-Jun-09 09:40	Boiler Room	US EPA	
W9E0163-11	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR3	[0.2g - 100mL]		02-Jun-09 10:03	Boiler Room	US EPA	
W9E0163-12	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR4	[0.2g - 100mL]		02-Jun-09 10:05	Boiler Room	US EPA	
W9E0163-13	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR5	[0.2g - 100mL]		02-Jun-09 11:10	Boiler Room	US EPA	
W9E0163-14	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR6	[0.2g - 100mL]		02-Jun-09 11:20	Boiler Room	US EPA	
W9E0163-15	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR7	[0.2g - 100mL]		02-Jun-09 12:00	Boiler Room	US EPA	
W9E0163-16	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR8	[0.2g - 100mL]		02-Jun-09 12:20	Boiler Room	US EPA	
W9E0163-17	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QR9	[0.2g - 100mL]		02-Jun-09 13:25	Boiler Room	US EPA	
W9E0163-18	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QS0	[0.2g - 100mL]		02-Jun-09 13:35	Boiler Room	US EPA	
W9E0163-19	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QS1	[0.2g - 100mL]		02-Jun-09 14:11	Boiler Room	US EPA	
W9E0163-20	A 01 by CLP	Hg					21-May-09
ClientSample ID:	ME2QS2	[0.2g - 100mL]		02-Jun-09 14:21	Boiler Room	US EPA	

Preparation Reagents

Standard	Description	Lot Number
09A0192	HNO3, conc.	K1408
09D0224	Stannous Chloride Sol.	200607503
09D0307	Hydroxylamine Hydrochloride Sol.	200709603

Standard	Description	Lot Number
09A0222	H2SO4 conc.	G35026
09D0234	Potassium Persulfate Sol.	200707305
09E0043	Potassium Permanganate Sol.	G25592

Spike Standards

Standard	Description	Amount (µL)
09E0084	HG-CLP LCSS (0405)	

Standard	Description	Amount (µL)
09E0137	Intermediate Std 2	1000

Digested By: JAA Date/Time: 05/13/2009 0655-0725 Instrument ID: ☒ Cetac ☐ Cetac M7500

Analyzed By: JAA Date/Time: 05/13/2009 0924

Reviewed By: [signature] Date: 05/26/2009 Data File(s): X05130 9B

Instrument operating conditions and parameters for this analytical batch are as stated in the Standard Operating Procedure for the analysis listed above unless otherwise noted.

[signature] 05/12/2009

CETAC Hg Analysis Report - 09051301.DB - Wednesday, May 13, 2009, 12:41:59 PM

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Analyst	JAA
Date Started	Wednesday, May 13, 2009, 09:22:57
Worksheet	X051309B
Comment	ILM05.4 ME2QQ1

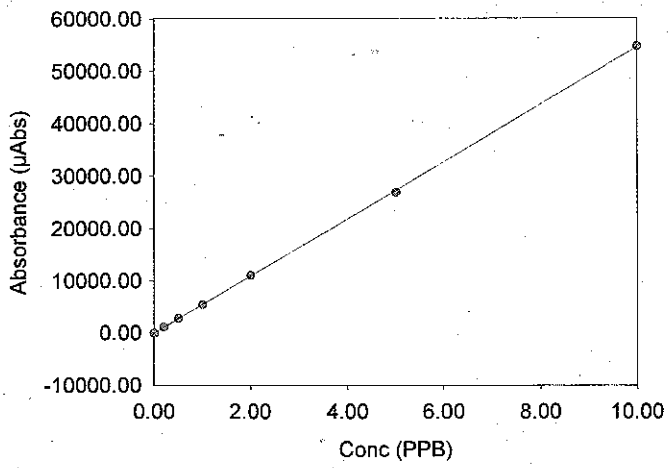
Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
Std Tube 6	13-May-2009, 09:22	10.00	29.00	26900.00	19020	27067	34610	

Information about this calibration could not be retrieved from the Master File.

05/20/2009 KG

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
KG ~~Calibration Zero~~ S0	13-May-2009, 09:24	0.00	3.61	-42.90	-44	-43	-41	
KG ~~Standard #1~~ S0.2	13-May-2009, 09:25	0.20	1.99	1190.00	1170	1196	1218	
KG ~~Standard #2~~ S0.5	13-May-2009, 09:27	0.50	0.47	2840.00	2829	2846	2856	
KG ~~Standard #3~~ S1	13-May-2009, 09:29	1.00	0.16	5450.00	5461	5455	5443	
KG ~~Standard #4~~ S2	13-May-2009, 09:30	2.00	0.10	11100.00	11071	11076	11054	
KG ~~Standard #5~~ S5	13-May-2009, 09:32	5.00	0.30	27000.00	26882	26984	27041	
KG ~~Standard #6~~ S10	13-May-2009, 09:34	10.00	0.11	54800.00	54708	54775	54827	

Calibration Data



Int.	21.637
Slope	5460.009
Correlation	0.99996

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
ICV	13-May-2009, 09:35	4.18	0.18	22800.00	22797	22833	22877	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
ICB	13-May-2009, 09:37	-0.04	0.47	-198.00	-198	-197	-199	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CRI	13-May-2009, 09:38	0.20	0.33	1110.00	1110	1112	1117	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCV	13-May-2009, 09:40	2.00	2.02	11000.00	10738	10970	11180	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCB	13-May-2009, 09:42	-0.00	7.92	-1.13	0	-1	-3	

05/20/2009 KG

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
~~PCB~~ PBS	13-May-2009, 09:43	0.01	3.75	59.10	59	61	58	
LCSS	13-May-2009, 09:45	7.44	0.29	40600.00	40510	40633	40744	
ME2QQ1	13-May-2009, 09:48	0.23	0.88	1290.00	1286	1291	1307	
ME2QQ2	13-May-2009, 09:49	0.39	0.96	2130.00	2111	2131	2151	
ME2QQ3	13-May-2009, 09:51	0.29	1.19	1630.00	1646	1626	1608	
ME2QQ4	13-May-2009, 09:52	0.32	2.21	1780.00	1742	1787	1819	
ME2QQ5	13-May-2009, 09:54	0.18	0.38	1010.00	1010	1013	1017	
ME2QQ6	13-May-2009, 09:56	0.95	0.62	5240.00	5215	5219	5273	
ME2QQ7	13-May-2009, 09:57	0.06	2.52	375.00	384	374	366	
ME2QQ8	13-May-2009, 09:59	0.04	3.62	236.00	229	234	244	

CETAC Hg Analysis Report - 09051301.DB - Wednesday, May 13, 2009, 12:41:59 PM

Analyst	JAA
Date Started	Wednesday, May 13, 2009, 10:01:02
Worksheet	X051309B
Comment	ILM05.4 ME2QQ1

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Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCV	13-May-2009, 10:01	2.02	0.82	11000.00	10931	11033	11112	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCB	13-May-2009, 10:02	-0.00	216.00	20.50	21	18	23	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
ME2QR1	13-May-2009, 10:04	0.30	0.88	1670.00	1685	1679	1657	
ME2QR2	13-May-2009, 10:05	0.26	0.79	1470.00	1457	1469	1479	
ME2QR3	13-May-2009, 10:07	0.81	0.11	4470.00	4466	4473	4475	
ME2QR4	13-May-2009, 10:09	0.88	0.22	4820.00	4812	4830	4831	
ME2QR5	13-May-2009, 10:10	0.10	0.42	589.00	592	589	587	
ME2QR6	13-May-2009, 10:12	0.64	0.67	3500.00	3482	3494	3528	
ME2QR7	13-May-2009, 10:13	0.11	5.27	624.00	592	623	656	
ME2QR8	13-May-2009, 10:15	0.27	0.26	1500.00	1499	1500	1506	
ME2QR8D	13-May-2009, 10:17	0.22	0.33	1210.00	1204	1208	1211	
CRI	13-May-2009, 10:18	0.20	0.92	1110.00	1116	1116	1099	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCV	13-May-2009, 10:20	1.99	0.19	10900.00	10864	10883	10906	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCB	13-May-2009, 10:22	0.00	90.60	29.30	34	21	33	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
ME2QR8S	13-May-2009, 10:23	0.95	3.14	5230.00	5077	5202	5402	
ME2QR9	13-May-2009, 10:25	1.21	0.05	6650.00	6654	6648	6648	
ME2QS0	13-May-2009, 10:26	0.88	1.62	4800.00	4886	4797	4731	
ME2QS1	13-May-2009, 10:28	0.06	0.58	373.00	375	372	371	
ME2QS2	13-May-2009, 10:30	0.49	1.74	2690.00	2641	2702	2733	
CRI	13-May-2009, 10:31	0.21	0.65	1160.00	1155	1156	1168	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCV	13-May-2009, 10:33	2.08	0.22	11400.00	11359	11384	11409	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCB	13-May-2009, 10:34	-0.00	114.00	17.60	14	23	16	

05/26/2009

SVL ANALYTICAL
One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

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ICP Color Sheet

Client: US EPA

Batch	SDG Number	Case Number
W920086	ME2QQ1	38525

Matrix: Solid **Prepared using: HS2**

Lab Number	Client ID	pH <2	COLOR Before	COLOR After	CLARITY Before	CLARITY After	TEXTURE	ARTIFACT (Y/N) *	PREP wgt/vol
W920086-BLK1	PBS	NA	NA	yellow	NA	NA	NA	N	100mL
W920086-BS1	LCSS		Brown				Medium	N	1.00g/100mL
W920086-DUP1	ME2QR8D							Y	
W920086-MS1	ME2QR8S								
W9E0163-01	ME2QQ1								
W9E0163-02	ME2QQ2								
W9E0163-03	ME2QQ3								
W9E0163-04	ME2QQ4								
W9E0163-05	ME2QQ5								
W9E0163-06	ME2QQ6								
W9E0163-07	ME2QQ7								
W9E0163-08	ME2QQ8								
W9E0163-09	ME2QR1								
W9E0163-10	ME2QR2								
W9E0163-11	ME2QR3								
W9E0163-12	ME2QR4								
W9E0163-13	ME2QR5								
W9E0163-14	ME2QR6								
W9E0163-15	ME2QR7								
W9E0163-16	ME2QR8								
W9E0163-17	ME2QR9								
W9E0163-18	ME2QS0								
W9E0163-19	ME2QS1								
W9E0163-20	ME2QS2								

COLOR : red, blue, yellow, green, orange, violet, white, colorless, brown, grey, black
CLARITY : clear, cloudy, opaque
TEXTURE : fine (powdery), medium (sand), coarse (large crystals or rocks)

DC 05/1

* If artifacts are found, report "yes" and describe in the space below:

Plant Matter

Analyst: Heidi Barnes Date: 05/13/2009

W920086

Log/Preparation Bench Sheet

W920086

SVL ANALYTICAL

See Extraction Comments

Matrix: Solid
Prepared using: HS2

Earliest Due: 05/21/09 Earliest Expiration: 11/01/09 09:25

SDG #: ME2QQ1
Case #: 38525
NRAS #: N/A 320

				Origin	Hold Time Expires	Home Location	Client	Due Date
W920086-BLK1	PBS	[1g - 100mL]				Parent Container Location: RecvRm Cooler 3 A		
W920086-BS1	LCSS	[1g - 100mL]	Spike 1: 09D0102					
W920086-DUP1	ME2QR8D [W9E0163-16]	[1g - 100mL]						
W920086-MS1	ME2QR8S [W9E0163-16]	[1g - 100mL]	Spike 1: 09E0091	Spike 2: 09C0104				
W9E0163-01	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ1	[1g - 100mL]			01-Nov-09 09:25	Boiler Room	US EPA	
W9E0163-02	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ2	[1g - 100mL]			01-Nov-09 09:40	Boiler Room	US EPA	
W9E0163-03	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ3	[1g - 100mL]			01-Nov-09 10:30	Boiler Room	US EPA	
W9E0163-04	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ4	[1g - 100mL]			01-Nov-09 10:42	Boiler Room	US EPA	
W9E0163-05	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ5	[1g - 100mL]			01-Nov-09 12:20	Boiler Room	US EPA	
W9E0163-06	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ6	[1g - 100mL]			01-Nov-09 12:35	Boiler Room	US EPA	
W9E0163-07	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ7	[1g - 100mL]			01-Nov-09 13:15	Boiler Room	US EPA	
W9E0163-08	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QQ8	[1g - 100mL]			01-Nov-09 13:30	Boiler Room	US EPA	
W9E0163-09	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR1	[1g - 100mL]			01-Nov-09 09:39	Boiler Room	US EPA	
W9E0163-10	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR2	[1g - 100mL]			01-Nov-09 09:40	Boiler Room	US EPA	
W9E0163-11	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR3	[1g - 100mL]			01-Nov-09 10:03	Boiler Room	US EPA	
W9E0163-12	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR4	[1g - 100mL]			01-Nov-09 10:05	Boiler Room	US EPA	
W9E0163-13	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-
ClientSample ID:	ME2QR5	[1g - 100mL]			01-Nov-09 11:10	Boiler Room	US EPA	
W9E0163-14	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR6	[1g - 100mL]			01-Nov-09 11:20	Boiler Room	US EPA	
W9E0163-15	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR7	[1g - 100mL]			01-Nov-09 12:00	Boiler Room	US EPA	
W9E0163-16	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR8	[1g - 100mL]			01-Nov-09 12:20	Boiler Room	US EPA	
W9E0163-17	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QR9	[1g - 100mL]			01-Nov-09 13:25	Boiler Room	US EPA	
W9E0163-18	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QS0	[1g - 100mL]			01-Nov-09 13:35	Boiler Room	US EPA	
W9E0163-19	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QS1	[1g - 100mL]			01-Nov-09 14:11	Boiler Room	US EPA	
W9E0163-20	A 02 by CLP	Ag Al As Ba Be Ca Cd Co Cr Cu Fe K Mg Mn Na Ni Pb Sb Se Tl V Zn						21-May-09
ClientSample ID:	ME2QS2	[1g - 100mL]			01-Nov-09 14:21	Boiler Room	US EPA	

Preparation Reagents

Standard	Description	Lot Number
09C0150	H2O2, 30%	200833608
09D0266	HCl, conc.	48301

Standard	Description	Lot Number
09D0254	HNO3, conc.	48227
09E0058	1:1 HNO3	48227

COPY ORIGIN IN Client file

Spike Standards

Standard	Description	Amount (µL)
09C0104	CLP ICP SPK B	1000
09E0091	CLP ICP SPK A	4000

Standard	Description	Amount (µL)
09D0102	ICP-CLP LCSS (0405)	

Digested By: NB Date/Time: 05/13/2009 1100 Instrument ID: ICP Optima ☐1 ☒5 ☐6 ☐7

Analyzed By: DJ Date/Time: 5/20/09 Data File(s): 0914OA 0914OB

Reviewed By: Date: 05/20/2009

Instruction operating conditions and parameters for this analytical batch are as stated in the Standard Operating Procedure for the analysis listed above unless otherwise noted.

SVL ANALYTICAL

One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

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Mercury Color Sheet

Client: US EPA

Batch	SDG Number	Case Number
W920063	ME2QQ1	38525

Matrix: Solid **Prepared using: CS1**

Lab Number	Client ID	pH <2	COLOR Before	CLARITY Before	TEXTURE	ARTIFACT (Y/N) *	PREP wgt/vol
S0	S0	N/A	N/A	N/A	N/A	N/A	100mL
S0.2	S0.2		N/A	N/A	N/A	N/A	100mL
S0.5	S0.5		N/A	N/A	N/A	N/A	100mL
S1	S1		N/A	N/A	N/A	N/A	100mL
S2	S2		N/A	N/A	N/A	N/A	100mL
S5	S5		N/A	N/A	N/A	N/A	100mL
S10	S10		N/A	N/A	N/A	N/A	100mL
ICV	ICV		N/A	N/A	N/A	N/A	100mL
ICB	ICB		N/A	N/A	N/A	N/A	100mL
CCV	CCV		N/A	N/A	N/A	N/A	100mL
CCB	CCB		N/A	N/A	N/A	N/A	100mL
CRI	CRI		N/A	N/A	N/A	N/A	100mL
W920063-BLK1	PBS		↓	↓	↓		0.2g/100mL
W920063-BS1	LCSS		brown	N/A	fine		0.2g/100mL
W920063-DUP1	ME2QR8D		brown	N/A	medium		0.2g/100mL
W920063-MS1	ME2QR8S		brown	N/A	medium		0.2g/100mL
W9E0163-01	ME2QQ1		brown	N/A	medium		0.2g/100mL
W9E0163-02	ME2QQ2		brown	N/A	medium		0.2g/100mL
W9E0163-03	ME2QQ3		brown	N/A	medium		0.2g/100mL
W9E0163-04	ME2QQ4		brown	N/A	medium		0.2g/100mL
W9E0163-05	ME2QQ5		brown	N/A	medium		0.2g/100mL
W9E0163-06	ME2QQ6		brown	N/A	medium		0.2g/100mL
W9E0163-07	ME2QQ7		brown	N/A	medium		0.2g/100mL
W9E0163-08	ME2QQ8		brown	N/A	medium		0.2g/100mL
W9E0163-09	ME2QR1		brown	N/A	medium		0.2g/100mL
W9E0163-10	ME2QR2		brown	N/A	medium		0.2g/100mL
W9E0163-11	ME2QR3		brown	N/A	medium		0.2g/100mL
W9E0163-12	ME2QR4		brown	N/A	medium		0.2g/100mL
W9E0163-13	ME2QR5		brown	N/A	medium		0.2g/100mL
W9E0163-14	ME2QR6		brown	N/A	medium		0.2g/100mL
W9E0163-15	ME2QR7		brown	N/A	medium		0.2g/100mL
W9E0163-16	ME2QR8		brown	N/A	medium		0.2g/100mL
W9E0163-17	ME2QR9		brown	N/A	medium		0.2g/100mL
W9E0163-18	ME2QS0		brown	N/A	medium		0.2g/100mL
W9E0163-19	ME2QS1		brown	N/A	medium		0.2g/100mL
W9E0163-20	ME2QS2	↓	brown	N/A	medium	↓	0.2g/100mL

COLOR : red, blue, yellow, green, orange, violet, white, colorless, brown, grey, black
CLARITY : clear, cloudy, opaque
TEXTURE : fine (powdery), medium (sand), coarse (large crystals or rocks)

* If artifacts are found, report "yes" and describe in the space below:

Analyst: Judy Askey Date: 05/13/2009

AC 05/26/2009

W920063

SVL ANALYTICAL

Log/Preparation Bench Sheet

W920063

See Extraction Comments

Matrix: Solid
Prepared using: CS1

Earliest Due: 05/21/09 Earliest Expiration: 06/02/09 09:25

SDG #: ME2QQ1
Case #: 38525
NRAS #: N/A 32

			Origin	Hold Time Expires	Home Location	Client	Due Date
W920063-BLK1	PBS	[0.2g - 100mL]		Parent Container Location: RecvRm Cooler 3 A			
W920063-BS1	LCSS	[0.2g - 100mL]	Spike 1: 09E0084				
W920063-DUP1	ME2QR8D [W9E0163-16]	[0.2g - 100mL]					
W920063-MS1	ME2QR8S [W9E0163-16]	[0.2g - 100mL]	Spike 1: 09E0137				
W9E0163-01	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ1	[0.2g - 100mL]		02-Jun-09 09:25	Boiler Room	US EPA	
W9E0163-02	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ2	[0.2g - 100mL]		02-Jun-09 09:40	Boiler Room	US EPA	
W9E0163-03	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ3	[0.2g - 100mL]		02-Jun-09 10:30	Boiler Room	US EPA	
W9E0163-04	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ4	[0.2g - 100mL]		02-Jun-09 10:42	Boiler Room	US EPA	
W9E0163-05	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ5	[0.2g - 100mL]		02-Jun-09 12:20	Boiler Room	US EPA	
W9E0163-06	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ6	[0.2g - 100mL]		02-Jun-09 12:35	Boiler Room	US EPA	
W9E0163-07	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ7	[0.2g - 100mL]		02-Jun-09 13:15	Boiler Room	US EPA	
W9E0163-08	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QQ8	[0.2g - 100mL]		02-Jun-09 13:30	Boiler Room	US EPA	
W9E0163-09	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR1	[0.2g - 100mL]		02-Jun-09 09:39	Boiler Room	US EPA	
W9E0163-10	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR2	[0.2g - 100mL]		02-Jun-09 09:40	Boiler Room	US EPA	
W9E0163-11	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR3	[0.2g - 100mL]		02-Jun-09 10:03	Boiler Room	US EPA	
W9E0163-12	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR4	[0.2g - 100mL]		02-Jun-09 10:05	Boiler Room	US EPA	
W9E0163-13	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR5	[0.2g - 100mL]		02-Jun-09 11:10	Boiler Room	US EPA	
W9E0163-14	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR6	[0.2g - 100mL]		02-Jun-09 11:20	Boiler Room	US EPA	
W9E0163-15	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR7	[0.2g - 100mL]		02-Jun-09 12:00	Boiler Room	US EPA	
W9E0163-16	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR8	[0.2g - 100mL]		02-Jun-09 12:20	Boiler Room	US EPA	
W9E0163-17	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QR9	[0.2g - 100mL]		02-Jun-09 13:25	Boiler Room	US EPA	
W9E0163-18	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QS0	[0.2g - 100mL]		02-Jun-09 13:35	Boiler Room	US EPA	
W9E0163-19	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QS1	[0.2g - 100mL]		02-Jun-09 14:11	Boiler Room	US EPA	
W9E0163-20	A 01 by CLP Hg						21-May-09
ClientSample ID:	ME2QS2	[0.2g - 100mL]		02-Jun-09 14:21	Boiler Room	US EPA	

Preparation Reagents

Standard	Description	Lot Number
09A0192	HNO3, conc.	K1408
09D0224	Stannous Chloride Sol.	200607503
09D0307	Hydroxylamine Hydrochloride Sol.	200709603

Standard	Description	Lot Number
09A0222	H2SO4 conc.	G35026
09D0234	Potassium Persulfate Sol.	200707305
09E0043	Potassium Permanganate Sol.	G25592

ORIGIN IS BENCH SHEET

Spike Standards

Standard	Description	Amount (µL)
09E0084	HG-CLP LCSS (0405)	

Standard	Description	Amount (µL)
09E0137	Intermediate Std 2	1000

Digested By: JAA Date/Time: 05/13/2009 0655-0725 Instrument ID: ☒ Cetac ☐ Cetac M7500

Analyzed By: JAA Date/Time: 05/13/2009 0924

Reviewed By: [signature] Date: 05/26/2009 Data File(s): X051309B

Instrument operating conditions and parameters for this analytical batch are as stated in the Standard Operating Procedure for the analysis listed above unless otherwise noted.

X/R 05/12/2009

Solids Bench Sheet

Analysis: Percent Solids

W920089

Printed: 5/12/2009 9:06:27AM

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SVL Lab ID Home Location	Client Sample ID Client	Due Date	Pan Weight (g)	Pan+Sample wet (g)	Pan+Sample dry (g)	Comments
W920089-DUP1	Duplicate [W9E0163-16] ME2QR8D		1.269	13.415	11.287	
W9E0163-01 RecvRm Cooler 3 A	ME2QQ1 US EPA	05/21/09	1.244	10.554	3.256	Level 3 Analysis LEVEL 3
W9E0163-02 RecvRm Cooler 3 A	ME2QQ2 US EPA	05/21/09	1.265	10.533	4.824	Level 3 Analysis LEVEL 3
W9E0163-03 RecvRm Cooler 3 A	ME2QQ3 US EPA	05/21/09	1.272	13.525	4.743	Level 3 Analysis LEVEL 3
W9E0163-04 RecvRm Cooler 3 A	ME2QQ4 US EPA	05/21/09	1.272	14.677	5.169	Level 3 Analysis LEVEL 3
W9E0163-05 RecvRm Cooler 3 A	ME2QQ5 US EPA	05/21/09	1.277	12.484	6.604	Level 3 Analysis LEVEL 3
W9E0163-06 RecvRm Cooler 3 A	ME2QQ6 US EPA	05/21/09	1.269	10.143	4.383	Level 3 Analysis LEVEL 3
W9E0163-07 RecvRm Cooler 3 A	ME2QQ7 US EPA	05/21/09	1.272	12.736	3.269	Level 3 Analysis LEVEL 3
W9E0163-08 RecvRm Cooler 3 A	ME2QQ8 US EPA	05/21/09	1.262	11.081	3.127	Level 3 Analysis LEVEL 3
W9E0163-09 RecvRm Cooler 3 A	ME2QR1 US EPA	05/21/09	1.261	12.827	4.960	Level 3 Analysis LEVEL 3
W9E0163-10 RecvRm Cooler 3 A	ME2QR2 US EPA	05/21/09	1.261	12.354	4.248	Level 3 Analysis LEVEL 3
W9E0163-11 RecvRm Cooler 3 A	ME2QR3 US EPA	05/21/09	1.261	12.835	5.331	Level 3 Analysis LEVEL 3
W9E0163-12 RecvRm Cooler 3 A	ME2QR4 US EPA	05/21/09	1.256	15.825	6.702	Level 3 Analysis LEVEL 3
W9E0163-13 RecvRm Cooler 3 A	ME2QR5 US EPA	05/21/09	1.267	13.977	9.991	Level 3 Analysis LEVEL 3
W9E0163-14 RecvRm Cooler 3 A	ME2QR6 US EPA	05/21/09	1.267	13.686	7.267	Level 3 Analysis LEVEL 3
W9E0163-15 RecvRm Cooler 3 A	ME2QR7 US EPA	05/21/09	1.268	17.455	14.041	Level 3 Analysis LEVEL 3
W9E0163-16 RecvRm Cooler 3 A	ME2QR8 US EPA	05/21/09	1.268	13.222	10.832	Level 3 Analysis QC SAMPLE
W9E0163-17 RecvRm Cooler 3 A	ME2QR9 US EPA	05/21/09	1.268	11.576	5.451	Level 3 Analysis LEVEL 3
W9E0163-18 RecvRm Cooler 3 A	ME2QS0 US EPA	05/21/09	1.262	15.247	7.375	Level 3 Analysis LEVEL 3
W9E0163-19 RecvRm Cooler 3 A	ME2QS1 US EPA	05/21/09	1.260	14.977	4.851	Level 3 Analysis LEVEL 3
W9E0163-20 RecvRm Cooler 3 A	ME2QS2 US EPA	05/21/09	1.267	13.894	7.912	Level 3 Analysis LEVEL 3

JB 05/12/2009 1145 / 05/13/2009 1100 Balance used: ☐ SD01 (K89952) ☒ SD02 (8028301193)

Analyst Date

JC 05/26/2009

Reviewed by Date

Oven Used: ☒ SD Oven 1

Instrument operating conditions and parameters for this analytical batch are as stated in the Standard Operating Procedure for the analysis listed above unless otherwise noted.

Case: 38525
SDG: ME2QQ1

SVL Analytical, Inc.

Percent Moisture/Solids

Batch: W920089
Analyst: HB
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SVL ID	Client ID	Pan Weight (g)	Pan + Sample Wet (g)	Pan + Sample Dry (g)	Percent Moisture	Percent Solids
W920089-DUP1	ME2QR8D	1.269	13.415	11.287	17.5	82.5
W9E0163-01	ME2QQ1	1.244	10.554	3.256	78.4	21.6
W9E0163-02	ME2QQ2	1.265	10.533	4.824	61.6	38.4
W9E0163-03	ME2QQ3	1.272	13.525	4.743	71.7	28.3
W9E0163-04	ME2QQ4	1.272	14.677	5.169	70.9	29.1
W9E0163-05	ME2QQ5	1.277	12.484	6.604	52.5	47.5
W9E0163-06	ME2QQ6	1.269	10.143	4.383	64.9	35.1
W9E0163-07	ME2QQ7	1.272	12.736	3.269	82.6	17.4
W9E0163-08	ME2QQ8	1.262	11.081	3.127	81.0	19.0
W9E0163-09	ME2QR1	1.261	12.827	4.960	68.0	32.0
W9E0163-10	ME2QR2	1.261	12.354	4.248	73.1	26.9
W9E0163-11	ME2QR3	1.261	12.835	5.331	64.8	35.2
W9E0163-12	ME2QR4	1.256	15.825	6.702	62.6	37.4
W9E0163-13	ME2QR5	1.267	13.977	9.991	31.4	68.6
W9E0163-14	ME2QR6	1.267	13.686	7.267	51.7	48.3
W9E0163-15	ME2QR7	1.268	17.455	14.041	21.1	78.9
W9E0163-16	ME2QR8	1.268	13.222	10.832	20.0	80.0
W9E0163-17	ME2QR9	1.268	11.576	5.451	59.4	40.6
W9E0163-18	ME2QS0	1.262	15.247	7.375	56.3	43.7
W9E0163-19	ME2QS1	1.260	14.977	4.851	73.8	26.2
W9E0163-20	ME2QS2	1.267	13.894	7.912	47.4	52.6

Date/Time in oven: 05/12/2009 1145
Date/Time out oven: 05/13/2009 1100
Oven Temperature: 103°C

H:\PercentSolids\W920089 Percent Solids.xls - Version 1.0
Printed 5/13/2009 2:13 PM

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W9E0163

FedEx. *USA Airbill* FedEx Tracking Number 811417071980

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Company IND DEPT OF ENVIRON MGMT

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City INDIANAPOLIS State IN ZIP 46204-2211

2 Your Internal Billing Reference Information 66-22

3 To

Recipient's Name Crystal Levy Phone (203) 734-1255

Company [illegible]

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0090621611

9.7 Cooler 1

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Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	ME2QQ1	5/5/09	11:25 am		X

Station Number and Location: SDA1

Samplers (signatures): [signature]

Tag Number: 5C- 129001

USE FOR MS/MSD ☐

Lab Sample Number:

Remarks:

Matrix:

PRESERVATIVE: H_2SO_4 ☐ ICE ☒ HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA	METALS	X	Bio-Chronic
ABN	CYANIDE	X	Bio-Acute
PEST/PCB			CBOD
	Pesticides		TOX
	Herbicides		TCLP
PCB	Mercury	X	PAH
PCDD/PCDF	Fluoride		Phenols
2,3,7,8-TCDD	Nitrate/Nitrite		Phosphorus
Ames Mutagen	TOC		Asbestos
Asbestos	BOD		2,3,7,8-TCDD
Phosphorus	COD		Ames Mutagen
Phenols	TDS		PCB
PAH	TSS		PCDD/PCDF
TCLP	O&G		BOD
TOX	Sulfate		COD
CBOD	Chloride		TDS
Bio-Acute	Sulfide		TSS
Bio-Chronic	Ammonia		O&G
	Alkalinity		Sulfate
	Acidity		Chloride
	TKN		Sulfide
			Ammonia
			Alkalinity
			Acidity
			TKN

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	ME2QQ2	5/5/09	11:40 am		X

Station Number and Location: SDA2

Samplers (signatures): [signature]

Tag Number: 5C- 129005

USE FOR MS/MSD ☐

Lab Sample Number:

Remarks:

Matrix:

PRESERVATIVE: H_2SO_4 ☐ ICE ☒ HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA	METALS	X	Bio-Chronic
ABN	CYANIDE	X	Bio-Acute
PEST/PCB			CBOD
	Pesticides		TOX
	Herbicides		TCLP
PCB	Mercury	X	PAH
PCDD/PCDF	Fluoride		Phenols
2,3,7,8-TCDD	Nitrate/Nitrite		Phosphorus
Ames Mutagen	TOC		Asbestos
Asbestos	BOD		2,3,7,8-TCDD
Phosphorus	COD		Ames Mutagen
Phenols	TDS		PCB
PAH	TSS		PCDD/PCDF
TCLP	O&G		BOD
TOX	Sulfate		COD
CBOD	Chloride		TDS
Bio-Acute	Sulfide		TSS
Bio-Chronic	Ammonia		O&G
	Alkalinity		Sulfate
	Acidity		Chloride
	TKN		Sulfide
			Ammonia
			Alkalinity
			Acidity
			TKN

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 WEST JACKSON
Chicago, Illinois 60604

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5
77 WEST JACKSON
Chicago, Illinois 60604

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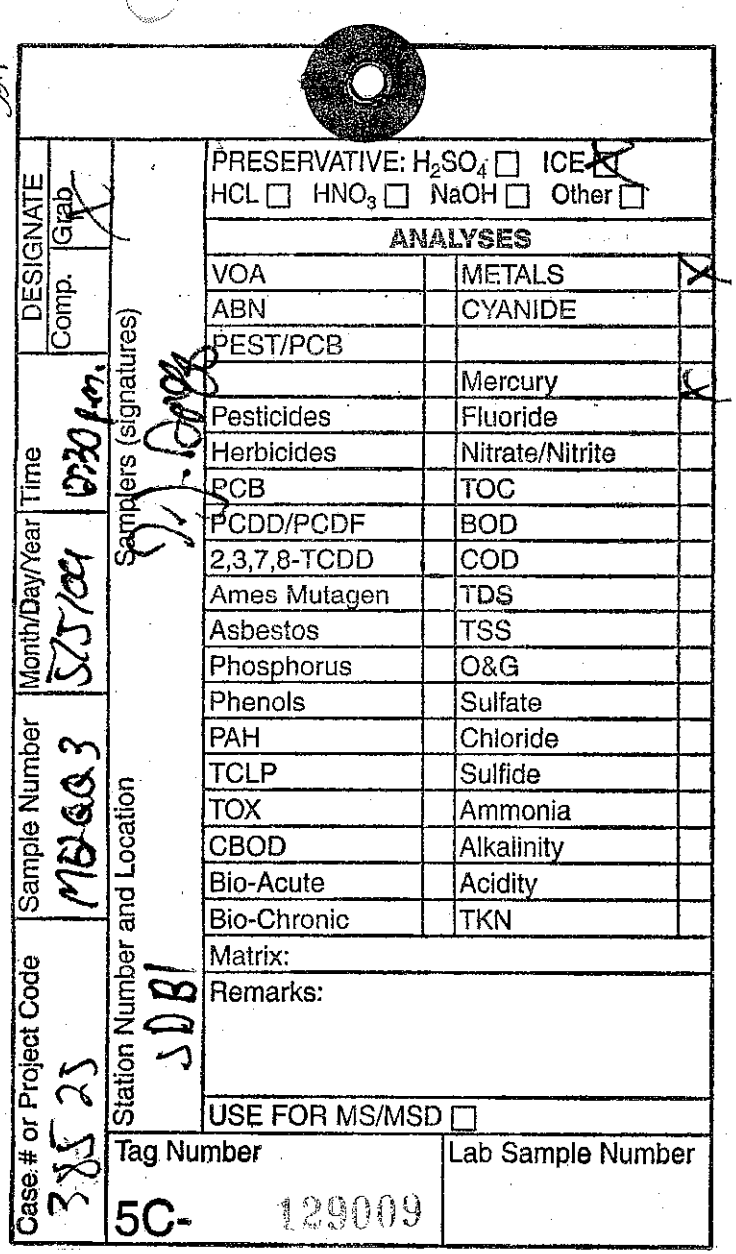
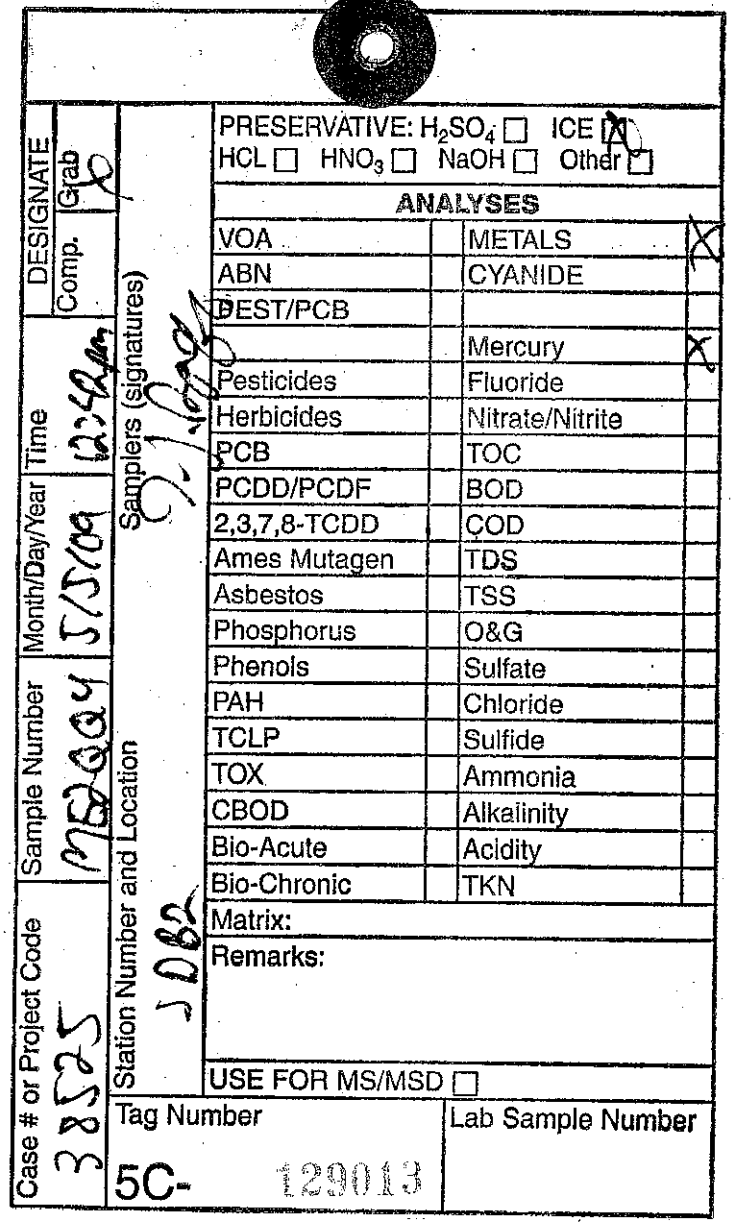


Case # or Project Code: 38525
Sample Number: MB0003
Month/Day/Year: 5/5/09
Time: 1230 hrs.
DESIGNATE: Comp. / Grab X
Samplers (signatures):
Station Number and Location: SDB1
PRESERVATIVE: H_2SO_4 ☐ ICE X
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:
Remarks:
USE FOR MS/MSD ☐
Tag Number: 5C- 129009
Lab Sample Number:



Case # or Project Code: 38525
Sample Number: MB0004
Month/Day/Year: 5/5/09
Time: 1242 hrs
DESIGNATE: Comp. / Grab X
Samplers (signatures):
Station Number and Location: SDB2
PRESERVATIVE: H_2SO_4 ☐ ICE X
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:
Remarks:
USE FOR MS/MSD ☐
Tag Number: 5C- 129013
Lab Sample Number:

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Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	ME2QQ5	5/5/09	2:20 pm		X

Station Number and Location: SDC1

Samplers (signatures): [signature]

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:

Remarks:

USE FOR MS/MSD ☐

Tag Number: 5C- 129017

Lab Sample Number:

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	ME2QQ6	5/5/09	2:35 pm		X

Station Number and Location: SDC2

Samplers (signatures): [signature]

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:

Remarks:

USE FOR MS/MSD ☐

Tag Number: 5C- 129021

Lab Sample Number:

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Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab	Samplers (signatures)	Station Number and Location
38525	MS2009	5/5/09	3:15 pm		X		SD01

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:

Remarks:

USE FOR MS/MSD ☐

Tag Number	Lab Sample Number
5C- 129025	

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab	Samplers (signatures)	Station Number and Location
38525	MS2008	5/5/09	3:30 pm		X		SD02

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:

Remarks:

USE FOR MS/MSD ☐

Tag Number	Lab Sample Number
5C- 129029	

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EPA

Case # or Project Code: 38525
Sample Number: ME2GR21
Month/Day/Year: 5/5/09
Time: 11:39 am
DESIGNATE: Grab X, Comp.
Samplers (signatures): Jinsung Lee, Jinsung Lee
Station Number and Location: SDE1
PRESERVATIVE: H_2SO_4 ☐ ICE ☒ HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	☒
ABN		CYANIDE	
PEST/PCB			
		Mercury	☒
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediments
Remarks:
USE FOR MS/MSD ☐
Tag Number: 5C- 129052
Lab Sample Number:

Case # or Project Code: 38525
Sample Number: ME2GR22
Month/Day/Year: 5/5/09
Time: 11:40 am
DESIGNATE: Grab X, Comp.
Samplers (signatures): Jinsung Lee, Jinsung Lee
Station Number and Location: SDE2
PRESERVATIVE: H_2SO_4 ☐ ICE ☒ HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA	DC	METALS	☒
ABN		CYANIDE	
PEST/PCB			
	DC	Mercury	☒
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediment
Remarks: Metals/Mercury
USE FOR MS/MSD ☐
Tag Number: 5C- 129056
Lab Sample Number:

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Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab	Station Number and Location	Samplers (signatures)
38525	MB2903	5/5/09	12:30 pm		X	SDF1	Timothy R. Johnson

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediment

Remarks:

USE FOR MS/MSD ☐

Tag Number	Lab Sample Number
5C- 129060	

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab	Station Number and Location	Samplers (signatures)
38525	MB2904	5/5/09	12:05pm		X	SDF2	Timothy R. Johnson

PRESERVATIVE: H_2SO_4 ☐ ICE ☑
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediment

Remarks:

USE FOR MS/MSD ☐

Tag Number	Lab Sample Number
5C- 129064	

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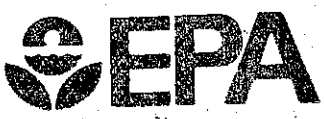

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Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	MC2QR5	5/5/09	1:10pm		X

Station Number and Location: SD61

Samplers (signatures): Jinette R. Johnson

PRESERVATIVE: H_2SO_4 ☐ ICE ☑
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediment

Remarks:

USE FOR MS/MSD ☐

Tag Number: 5C- 129068

Lab Sample Number:

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	MC2QR6	5/5/09	1:20pm		X

Station Number and Location: SD62

Samplers (signatures): Jinette R. Johnson

PRESERVATIVE: H_2SO_4 ☐ ICE ☑
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediments

Remarks:

USE FOR MS/MSD ☐

Tag Number: 5C- 129072

Lab Sample Numb

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Case # or Project Code: 38525
Sample Number: M62927
Month/Day/Year: 5/5/09
Time: 2:00pm
DESIGNATE: Comp. ☐ Grab ☒
Samplers (signatures): Timothy R. Glover
Station Number and Location: SD#1

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediments
Remarks:
USE FOR MS/MSD ☐
Tag Number: 5C- 129076
Lab Sample Number:

Case # or Project Code: 38525
Sample Number: M62928
Month/Day/Year: 5/5/09
Time: 2:20pm
DESIGNATE: Comp. ☐ Grab ☒
Samplers (signatures): Timothy R. Glover
Station Number and Location: SD#2

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES			
VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix: Sediments
Remarks:
USE FOR MS/MSD ☐
Tag Number: 5C- 129080
Lab Sample Number:

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REFERENCE 121

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	MS20929	5/5/09	3:30pm		X

Station Number and Location: SDT1

Samplers (signatures): Timothy Upham

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES		
VOA	METALS	X
ABN	CYANIDE	
PEST/PCB		
	Mercury	X
Pesticides	Fluoride	
Herbicides	Nitrate/Nitrite	
PCB	TOC	
PCDD/PCDF	BOD	
2,3,7,8-TCDD	COD	
Ames Mutagen	TDS	
Asbestos	TSS	
Phosphorus	O&G	
Phenols	Sulfate	
PAH	Chloride	
TCLP	Sulfide	
TOX	Ammonia	
CBOD	Alkalinity	
Bio-Acute	Acidity	
Bio-Chronic	TKN	

Matrix: Sediments

Remarks:

USE FOR MS/MSD ☐

Tag Number	Lab Sample Number
5C- 129084	

Case # or Project Code	Sample Number	Month/Day/Year	Time	DESIGNATE Comp.	DESIGNATE Grab
38525	MS20930	5/5/09	3:30pm		X

Station Number and Location: SDT2

Samplers (signatures): Timothy Upham

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES		
VOA	METALS	X
ABN	CYANIDE	
PEST/PCB		
	Mercury	X
Pesticides	Fluoride	
Herbicides	Nitrate/Nitrite	
PCB	TOC	
PCDD/PCDF	BOD	
2,3,7,8-TCDD	COD	
Ames Mutagen	TDS	
Asbestos	TSS	
Phosphorus	O&G	
Phenols	Sulfate	
PAH	Chloride	
TCLP	Sulfide	
TOX	Ammonia	
CBOD	Alkalinity	
Bio-Acute	Acidity	
Bio-Chronic	TKN	

Matrix:

Remarks:

USE FOR MS/MSD ☐

Tag Number	Lab Sample Number
5C- 129033	

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DESIGNATE: Comp. ☐ Grab ☒

Case # or Project Code: 38525
Sample Number: MEQ51
Month/Day/Year: 5/5/09
Time: 9:11 pm
Samplers (signatures): Timothy Nelson
Station Number and Location: SD 51

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:
Remarks:
USE FOR MS/MSD ☐

Tag Number: 5C- 129037
Lab Sample Number:

DESIGNATE: Comp. ☐ Grab ☒

Case # or Project Code: 38525
Sample Number: MEQ52
Month/Day/Year: 5/5/09
Time: 9:21 pm
Samplers (signatures): Timothy Nelson
Station Number and Location: SD 52

PRESERVATIVE: H_2SO_4 ☐ ICE ☒
HCL ☐ HNO_3 ☐ NaOH ☐ Other ☐

ANALYSES

VOA		METALS	X
ABN		CYANIDE	
PEST/PCB			
		Mercury	X
Pesticides		Fluoride	
Herbicides		Nitrate/Nitrite	
PCB		TOC	
PCDD/PCDF		BOD	
2,3,7,8-TCDD		COD	
Ames Mutagen		TDS	
Asbestos		TSS	
Phosphorus		O&G	
Phenols		Sulfate	
PAH		Chloride	
TCLP		Sulfide	
TOX		Ammonia	
CBOD		Alkalinity	
Bio-Acute		Acidity	
Bio-Chronic		TKN	

Matrix:
Remarks:
USE FOR MS/MSD ☐

Tag Number: 5C- 129041
Lab Sample Number:

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Chicago, Illinois 60604

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TRANSMISSION VERIFICATION REPORT

TIME : 05/07/2009 18:02
NAME : RECEIVING
FAX : 2087830851
TEL : 2087841258
SER.# : BROC7J634183

DATE,TIME	05/07 18:01
FAX NO./NAME	917038184602
DURATION	00:00:36
PAGE(S)	03
RESULT	OK
MODE	STANDARD ECM

Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number: **ME2QQ1**

[X] ICP-AES Analysis [ ] ICP-MS Analysis

Laboratory Name: **SVL Analytical, Inc.** Laboratory Code: **SVL**

Contract No.: **EP-W-08-068** Case No.: **38525**

Analysis Price: **$182.00** SDG Turnaround: **21**

Modified Analysis (if applicable):

Modification Reference No.: N/A

USEPA Sample Numbers in SDG (Listed in Numerical Order)

1)	**ME2QQ1**	7)	**ME2QQ7**	13)	**ME2QR5**	19)	**ME2QS1**
2)	**ME2QQ2**	8)	**ME2QQ8**	14)	**ME2QR6**	20)	**ME2QS2**
3)	**ME2QQ3**	9)	**ME2QR1**	15)	**ME2QR7**		
4)	**ME2QQ4**	10)	**ME2QR2**	16)	**ME2QR8**		
5)	**ME2QQ5**	11)	**ME2QR3**	17)	**ME2QR9**		
6)	**ME2QQ6**	12)	**ME2QR4**	18)	**ME2QS0**		

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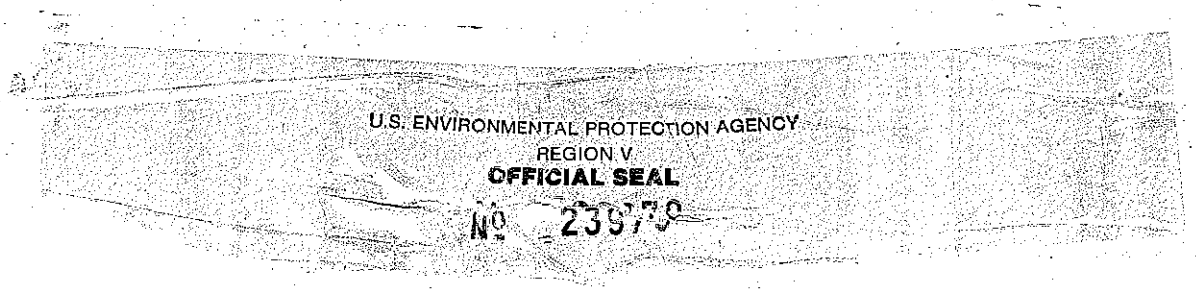
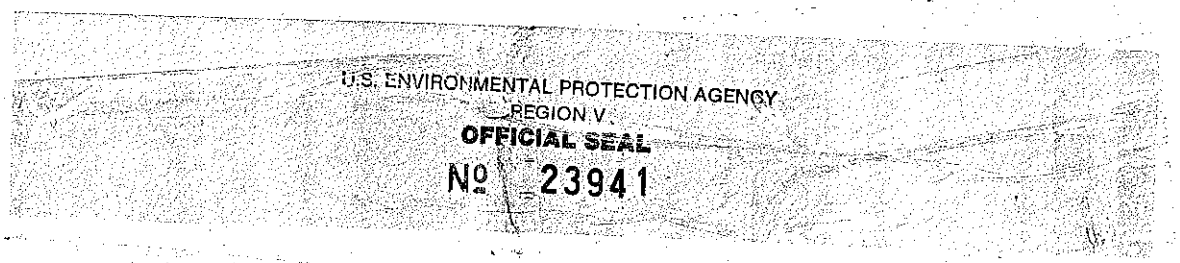
W9E0163





05/07/2009 Cooler 1

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SAMPLE RECEIPT/CHAIN-OF -CUSTODY CHECKLIST

The following items were checked for completeness, correctness, and compliance to project specifications using the Chain-of-Custody (COC) and other supporting information.

Date of acceptance: 5/7/09 By: D Flores

SVL Work No: W9E0163

Item	Description	V	VC	NV	NA	Comments
1	Client or project name	✓				USEPA
2	Date and time of receipt at lab	✓				05/07/2009 11:15
3	Received by	✓				ROBIN STRIBLING
4	Temperature blank or cooler temperature	✓				Temp. 9.7°C.
5	Were the sample(s) received on ice	✓				yes
6	Custody tape/bottle seals	✓				yes
7	Condition of samples upon receipt (leaking; bubbles in VOA vials	✓				Good
8	Sample numbers/IDs agree with COC	✓				
9	Sample date & time agree with COC	✓				
10	Number of containers for each sample	✓				
11	The correct preservative for the analysis requested				✓	
12	Did an SVL employee preserve sample(s) upon receipt				✓	
12	Type of container for each sample / volume received	✓				
13	Analysis requested for each sample	✓				
14	Sample matrix description	✓				
15	COC properly completed & legible	✓				
16	Corrections properly made (initials & date)				✓	
17	Additional comments or records of sample condition or treatment (unlisted or missing samples at laboratory, aliquot taken, sample hold, samples subcontracted, communications between client and laboratory)	✓				yes return airbill yes temp blank yes swing tags
18	Shipper's air bill	✓				

V- Verified VC- Verified Corrections Made NV-Not Verified NA- Not Applicable

Additional Comments: _____

Internal Chain of Custody

SDG Number: ME2QQ1
Case Number: 38525

W9E0163

Client: US EPA 359

SVL ID: **W9E0163-01**
Client ID: **ME2QQ1**
Sampled: 05/05/2009 11:25
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:56	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-02**
Client ID: **ME2QQ2**
Sampled: 05/05/2009 11:40
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:56	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-03**
Client ID: **ME2QQ3**
Sampled: 05/05/2009 12:30
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-04**
Client ID: **ME2QQ4**
Sampled: 05/05/2009 12:42
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

Internal Chain of Custody

SDG Number: ME2QQ1
Case Number: 38525

W9E0163

Client: US EPA 360

SVL ID: **W9E0163-05**
Client ID: **ME2QQ5**
Sampled: 05/05/2009 14:20
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-06**
Client ID: **ME2QQ6**
Sampled: 05/05/2009 14:35
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-07**
Client ID: **ME2QQ7**
Sampled: 05/05/2009 15:15
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-08**
Client ID: **ME2QQ8**
Sampled: 05/05/2009 15:30
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

Internal Chain of Custody

W9E0163

SDG Number: ME2QQ1
Case Number: 38525
Client: US EPA 361

SVL ID: **W9E0163-09**
Client ID: **ME2QR1**
Sampled: 05/05/2009 11:39
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-10**
Client ID: **ME2QR2**
Sampled: 05/05/2009 11:40
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-11**
Client ID: **ME2QR3**
Sampled: 05/05/2009 12:03
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-12**
Client ID: **ME2QR4**
Sampled: 05/05/2009 12:05
Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

Internal Chain of Custody

SDG Number: ME2QQ1
Case Number: 38525

W9E0163

Client: US EPA 3/02

SVL ID: **W9E0163-13** Sampled: 05/05/2009 13:10
Client ID: **ME2QR5** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-14** Sampled: 05/05/2009 13:20
Client ID: **ME2QR6** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-15** Sampled: 05/05/2009
Client ID: **ME2QR7** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:12:22	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-16** Sampled: 05/05/2009 14:20
Client ID: **ME2QR8** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:11:53	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

Internal Chain of Custody

SDG Number: ME2QQ1
Case Number: 38525

W9E0163

Client: US EPA 363

SVL ID: **W9E0163-17** Sampled: 05/05/2009 15:25
Client ID: **ME2QR9** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:11:53	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-18** Sampled: 05/05/2009 15:35
Client ID: **ME2QS0** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:11:53	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:47			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-19** Sampled: 05/05/2009 16:11
Client ID: **ME2QS1** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:11:53	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:38	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:48			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

SVL ID: **W9E0163-20** Sampled: 05/05/2009 16:21
Client ID: **ME2QS2** Received: 05/07/2009 11:15 Robin Stribling

Container A [Jar, glass]

05/12/2009 08:58:27	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	CF --> HB	HB
05/12/2009 11:49:55	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		HB
05/12/2009 15:11:53	In --> Out	RecvRm Cooler 3 A --> Digestion-Soil (113)	HB --> JAA	JAA
05/12/2009 15:19:24	Out --> In	Digestion-Soil (113) --> RecvRm Cooler 3 A		JAA

Container A 02 [Digest Flip Top]

05/17/2009 08:50:39	In --> Out	RecvRm Cooler 3 A --> Instrument Lab (109)	HB --> AS	AS
05/20/2009 09:30:48			AS --> DT	DT
05/20/2009 18:02:16	Out --> In	Instrument Lab (109) --> BoilerRm 10 G	DT --> AS	AS

05/13/2009

SVL ANALYTICAL, INC. KELLOGG, IDAHO

ICP-AES STANDARDS

DATA 09140A

STANDARD	SOURCE/LOT #	PREP DATE	PREP BY
S0/ICB/CCB	09E0187	05/16/2009	AS
S1	09E0161	05/14/2009	FH
S2	09E0162	05/14/2009	FH
S3	09E0163	05/14/2009	FH
ICV	09E0210	05/19/2009	AS
CRI	09E0150	05/14/2009	DG
ICSA	09E0211	05/19/2009	AS
ICSAB	09E0166	05/14/2009	AS
CCV	09E0186	05/16/2009	AS

Analytical Standard Summary

09C0104

365

Description: CLP ICP SPK B
Standard Type: Analyte Spike
Solvent: 5% HNO3
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Kirby Gray
Lot : 192-203-3
Prepared: 11-Mar-09
Expires: 29-Aug-09

Comments:

Analyte	CAS Number	Concentration	Units
Selenium	7782-49-2	10	mg/L
Silver	7440-22-4	10	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
08C0079	Selenium	Selenium	10-Mar-08	Vendor	29-Aug-09	1000 ug/mL	2
08K0184	Silver	Silver	13-Nov-08	Vendor	04-May-10	1000 ug/mL	2

KG for DJS 04/09/2009
Prepared By Date

DG 04/09/2009
Reviewed By Date

Analytical Standard Summary

09E0091

366

Description: CLP ICP SPK A
Standard Type: Analyte Spike
Solvent: 2%HNO3 5% HCl
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Kirby Gray
Lot : NA
Prepared: 06-May-09
Expires: 29-Aug-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	100	mg/L
Antimony	7440-36-0	5	mg/L
Arsenic	7440-38-2	2	mg/L
Barium	7440-39-3	100	mg/L
Beryllium	7440-41-7	2.5	mg/L
Cadmium	7440-43-9	2.5	mg/L
Chromium	7440-47-3	10	mg/L
Cobalt	7440-48-4	25	mg/L
Copper	7440-50-8	12.5	mg/L
Iron	7439-89-6	50	mg/L
Lead	7439-92-1	1	mg/L
Manganese	7439-96-5	25	mg/L
Nickel	7440-02-0	25	mg/L
Thallium	7440-28-0	2.5	mg/L
Vanadium	7440-62-2	25	mg/L
Zinc	7440-66-6	25	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0117	Nickel	Nickel	12-Jan-09	Vendor	30-Jun-10	1000 ug/mL	5
09A0112	Barium	Barium	12-Jan-09	Vendor	30-Jun-10	10000 ug/mL	2
09A0110	Arsenic	Arsenic	12-Jan-09	Vendor	30-Jun-10	1000 ug/mL	0.4
09A0118	Manganese	Manganese	12-Jan-09	Vendor	30-Jun-10	1000 ug/mL	5
08C0082	Cadmium	Cadmium	10-Mar-08	Vendor	29-Aug-09	1000 ug/mL	0.5
08C0080	Antimony	Antimony	10-Mar-08	Vendor	29-Aug-09	1000 ug/mL	1
08H0314	Iron	Iron	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	1
08H0312	Aluminum	Aluminum	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	2
08J0542	Lead	Lead	30-Oct-08	Vendor	16-Apr-10	1000 ug/mL	0.2
08F0345	Vanadium	Vanadium	22-Jun-08	Vendor	12-Dec-09	1000 ug/mL	5
07L0011	Beryllium	Beryllium	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	0.5
07L0019	Zinc	Zinc	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	5
07L0018	Thallium	Thallium	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	0.5
07L0014	Copper	Copper	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	2.5
07L0013	Chromium	Chromium	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	2
08D0087	Cobalt	Cobalt	14-Apr-08	Vendor	03-Oct-09	1000 ug/mL	5

Kirby Gray 05/06/2009
Prepared By Date

DT 5/18/09
Reviewed By Date

Analytical Standard Summary

09E0187

367

Description: S0
Standard Type: Calibration Standard
Solvent: 2% HNO3 5% HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : -
Prepared: 16-May-09
Expires: 12-Nov-09

Comments: OPT 5 & 1

Analyte	CAS Number	Concentration	Units
Hydrochloric Acid	7647-01-0	50000	mg/L
Nitric Acid	7697-37-2	20000	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09D0264	HCl, conc.	Hydrochloric Ac	22-Apr-09	Vendor	22-Apr-10	1000000 ppm	50
09D0256	HNO3, conc.	Nitric Acid	22-Apr-09	Vendor	22-Apr-10	1000000 ppm	20

Anne Spradlin 5/16/09
Prepared By Date

DT 5/18/09
Reviewed By Date

09E0161

368

Analytical Standard Summary

Description: S1
Standard Type: Calibration Standard
Solvent: 2% HNO3 5% HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Felicia Holmquist
Lot : -
Prepared: 14-May-09
Expires: 26-Jul-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	3	mg/L
Antimony	7440-36-0	3	mg/L
Arsenic	7440-38-2	3	mg/L
Barium	7440-39-3	3	mg/L
Beryllium	7440-41-7	3	mg/L
Bismuth	7440-69-9	5	mg/L
Boron	7440-42-8	3	mg/L
Cadmium	7440-43-9	3	mg/L
Calcium	7440-70-2	3	mg/L
Chromium	7440-47-3	3	mg/L
Cobalt	7440-48-4	3	mg/L
Copper	7440-50-8	3	mg/L
Gallium	7440-55-3	5	mg/L
Iron	7439-89-6	3	mg/L
Lead	7439-92-1	3	mg/L
Lithium	7439-93-2	8	mg/L
Magnesium	7439-95-4	3	mg/L
Manganese	7439-96-5	3	mg/L
[illegible]bdenum	7439-98-7	3	mg/L
[illegible]ickel	7440-02-0	3	mg/L
Phosphorus	7723-14-0	10	mg/L
Potassium	7440-09-7	30	mg/L
Selenium	7782-49-2	3	mg/L
Silica (SiO2)	7631-86-9	3.21	mg/L
Silicon	7440-21-3	1.5	mg/L
Silver	7440-22-4	3	mg/L
Sodium	7440-23-5	3	mg/L
Strontium	7440-24-6	5	mg/L
Thallium	7440-28-0	3	mg/L
Tin	7440-31-5	5	mg/L
Titanium	7440-32-6	3	mg/L
Vanadium	7440-62-2	3	mg/L
Zinc	7440-66-6	3	mg/L

SVL ANALYTICAL

Analytical Standard Summary

09E0161

369

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0292	S1 MIX	Strontium	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
09A0292	S1 MIX	Phosphorus	26-Jan-09	Anne Spradlin	26-Jul-09	1000 mg/L	10
09A0292	S1 MIX	Lithium	26-Jan-09	Anne Spradlin	26-Jul-09	800 mg/L	10
09A0292	S1 MIX	Gallium	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
09A0292	S1 MIX	Bismuth	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
09A0292	S1 MIX	Tin	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
08J0535	QCS-26 (0816542)	Barium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Iron	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Copper	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Cobalt	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Chromium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Calcium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Cadmium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Lead	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Beryllium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Potassium	30-Oct-08	Vendor	16-Oct-09	1000 ug/mL	30
08J0535	QCS-26 (0816542)	Arsenic	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Antimony	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Boron	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Magnesium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Manganese	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Aluminum	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Nickel	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Selenium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Silica (SiO2)	30-Oct-08	Vendor	16-Oct-09	107 ug/mL	30
08J0535	QCS-26 (0816542)	Silicon	30-Oct-08	Vendor	16-Oct-09	50 ug/mL	30
08J0535	QCS-26 (0816542)	Silver	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Sodium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Thallium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Titanium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Vanadium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Zinc	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Molybdenum	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30

DT 5/15/09

Jessica E Hollingsworth 5/14/09

Prepared By Date

DC 05/15/2009

Reviewed By Date

Analytical Standard Summary

09E0162

370

Description: S2
Standard Type: Calibration Standard
Solvent: 2%HN03 5% HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Felicia Holmquist
Lot : 192-262-1
Prepared: 14-May-09
Expires: 10-Nov-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	50	mg/L
Calcium	7440-70-2	50	mg/L
Iron	7439-89-6	50	mg/L
Magnesium	7439-95-4	50	mg/L
Sodium	7440-23-5	50	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
08H0316	Sodium	Sodium	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
08H0314	Iron	Iron	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
08H0313	Calcium	Calcium	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
08H0312	Aluminum	Aluminum	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
09C0170	Magnesium	Magnesium	18-Mar-09	Vendor	06-Sep-10	10000 ug/mL	5

DT 5/15/09

Felicia E Holmquist 5/14/09

Prepared By Date

DG 05/15/2009

Reviewed By Date

Analytical Standard Summary

09E0163

371

Description: S3
Standard Type: Calibration Standard
Solvent: 2%HNO3 5%HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Felicia Holmquist
Lot : 192-262-2
Prepared: 14-May-09
Expires: 07-Jun-09

Comments:

Analyte	CAS Number	Concentration	Units
Beryllium	7440-41-7	0.1	mg/L
Lanthanum	7439-91-0	10	mg/L
Scandium	7440-20-2	2	mg/L
Silica (SiO2)	7631-86-9	53.5	mg/L
Silicon	7440-21-3	25	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0111	Lanthanum	Lanthanum	12-Jan-09	Vendor	30-Jun-10	10000 ug/mL	1
07L0017	Silicon	Silicon	14-Dec-07	Vendor	07-Jun-09	10000 ug/mL	2.5
07L0017	Silicon	Silica (SiO2)	14-Dec-07	Vendor	07-Jun-09	21400 ug/mL	2.5
09C0176	Beryllium	Beryllium	18-Mar-09	Vendor	06-Sep-10	1000 ug/mL	0.1
08D0085	Scandium	Scandium	14-Apr-08	Vendor	03-Oct-09	10000 ug/mL	0.2

DT 5/15/09

Felicia Holmquist 5/14/09

Prepared By Date

DG 05/15/2009

Reviewed By Date

09E0210

312

Analytical Standard Summary

Description: CLP ICV
Standard Type: Calibration Standard
Solvent: 2%HNO3
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 0307
Prepared: 19-May-09
Expires: 16-Oct-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	2.52	ug/mL
Antimony	7440-36-0	0.994	ug/mL
Arsenic	7440-38-2	0.999	ug/mL
Barium	7440-39-3	0.497	ug/mL
Beryllium	7440-41-7	0.495	ug/mL
Cadmium	7440-43-9	0.496	ug/mL
Calcium	7440-70-2	10	ug/mL
Chromium	7440-47-3	0.49	ug/mL
Cobalt	7440-48-4	0.499	ug/mL
Copper	7440-50-8	0.492	ug/mL
Iron	7439-89-6	5.08	ug/mL
Lead	7439-92-1	1	ug/mL
Magnesium	7439-95-4	6.07	ug/mL
Manganese	7439-96-5	0.499	ug/mL
Nickel	7440-02-0	0.503	ug/mL
Potassium	7440-09-7	10	ug/mL
Selenium	7782-49-2	1.03	ug/mL
Silver	7440-22-4	0.501	ug/mL
[illegible]ium	7440-23-5	10.1	ug/mL
[illegible]allium	7440-28-0	1.03	ug/mL
Vanadium	7440-62-2	0.501	ug/mL
Zinc	7440-66-6	1.02	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0209	CLP ICV-1 (0307)	Lead	19-May-09	Vendor	15-Nov-09	10 ug/mL	20
09E0209	CLP ICV-1 (0307)	Antimony	19-May-09	Vendor	15-Nov-09	9.94 ug/mL	20
09E0209	CLP ICV-1 (0307)	Arsenic	19-May-09	Vendor	15-Nov-09	9.99 ug/mL	20
09E0209	CLP ICV-1 (0307)	Barium	19-May-09	Vendor	15-Nov-09	4.97 ug/mL	20
09E0209	CLP ICV-1 (0307)	Beryllium	19-May-09	Vendor	15-Nov-09	4.95 ug/mL	20
09E0209	CLP ICV-1 (0307)	Cadmium	19-May-09	Vendor	15-Nov-09	4.96 ug/mL	20
09E0209	CLP ICV-1 (0307)	Calcium	19-May-09	Vendor	15-Nov-09	100 ug/mL	20
09E0209	CLP ICV-1 (0307)	Chromium	19-May-09	Vendor	15-Nov-09	4.9 ug/mL	20
09E0209	CLP ICV-1 (0307)	Cobalt	19-May-09	Vendor	15-Nov-09	4.99 ug/mL	20
09E0209	CLP ICV-1 (0307)	Aluminum	19-May-09	Vendor	15-Nov-09	25.2 ug/mL	20
09E0209	CLP ICV-1 (0307)	Iron	19-May-09	Vendor	15-Nov-09	50.8 ug/mL	20
09E0209	CLP ICV-1 (0307)	Zinc	19-May-09	Vendor	15-Nov-09	10.2 ug/mL	20
09E0209	CLP ICV-1 (0307)	Magnesium	19-May-09	Vendor	15-Nov-09	60.7 ug/mL	20
09E0209	CLP ICV-1 (0307)	Manganese	19-May-09	Vendor	15-Nov-09	4.99 ug/mL	20
09E0209	CLP ICV-1 (0307)	Nickel	19-May-09	Vendor	15-Nov-09	5.03 ug/mL	20
09E0209	CLP ICV-1 (0307)	Potassium	19-May-09	Vendor	15-Nov-09	100 ug/mL	20
09E0209	CLP ICV-1 (0307)	Selenium	19-May-09	Vendor	15-Nov-09	10.3 ug/mL	20
09E0209	CLP ICV-1 (0307)	Silver	19-May-09	Vendor	15-Nov-09	5.01 ug/mL	20
[illegible]0209	CLP ICV-1 (0307)	Sodium	19-May-09	Vendor	15-Nov-09	101 ug/mL	20
[illegible]0209	CLP ICV-1 (0307)	Thallium	19-May-09	Vendor	15-Nov-09	10.3 ug/mL	20
09E0209	CLP ICV-1 (0307)	Vanadium	19-May-09	Vendor	15-Nov-09	5.01 ug/mL	20
09E0209	CLP ICV-1 (0307)	Copper	19-May-09	Vendor	15-Nov-09	4.92 ug/mL	20

SVL ANALYTICAL

Analytical Standard Summary

09E0210

323

DT 5/20/09

Anne Sprenkle 5/19/09

Prepared By Date

DT 5/20/09

Reviewed By Date

Analytical Standard Summary

09E0156

374

Description: CLP CRQL
Standard Type: Calibration Standard
Solvent: 2%HNO3 5%HCl
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Diane Gardner
Lot : -
Prepared: 14-May-09
Expires: 07-Jun-09

Comments:

Analyte	CAS Number	Concentration	Units
Antimony	7440-36-0	0.06	ug/mL
Arsenic	7440-38-2	0.01	ug/mL
Beryllium	7440-41-7	0.005	ug/mL
Cadmium	7440-43-9	0.005	ug/mL
Chromium	7440-47-3	0.01	ug/mL
Cobalt	7440-48-4	0.05	ug/mL
Copper	7440-50-8	0.025	ug/mL
Lead	7439-92-1	0.01	ug/mL
Manganese	7439-96-5	0.015	ug/mL
Nickel	7440-02-0	0.04	ug/mL
Selenium	7782-49-2	0.035	ug/mL
Silver	7440-22-4	0.01	ug/mL
Thallium	7440-28-0	0.025	ug/mL
Vanadium	7440-62-2	0.05	ug/mL
Zinc	7440-66-6	0.06	ug/mL

Parent Standards used in this standard:

ard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09C0016	CLP CRQL STOCK	Zinc	03-Mar-09	Anne Spradlin	07-Jun-09	6 ug/mL	2
09C0016	CLP CRQL STOCK	Vanadium	03-Mar-09	Anne Spradlin	07-Jun-09	5 ug/mL	2
09C0016	CLP CRQL STOCK	Thallium	03-Mar-09	Anne Spradlin	07-Jun-09	2.5 ug/mL	2
09C0016	CLP CRQL STOCK	Silver	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Selenium	03-Mar-09	Anne Spradlin	07-Jun-09	3.5 ug/mL	2
09C0016	CLP CRQL STOCK	Nickel	03-Mar-09	Anne Spradlin	07-Jun-09	4 ug/mL	2
09C0016	CLP CRQL STOCK	Manganese	03-Mar-09	Anne Spradlin	07-Jun-09	1.5 ug/mL	2
09C0016	CLP CRQL STOCK	Lead	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Copper	03-Mar-09	Anne Spradlin	07-Jun-09	2.5 ug/mL	2
09C0016	CLP CRQL STOCK	Cobalt	03-Mar-09	Anne Spradlin	07-Jun-09	5 ug/mL	2
09C0016	CLP CRQL STOCK	Chromium	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Cadmium	03-Mar-09	Anne Spradlin	07-Jun-09	0.5 ug/mL	2
09C0016	CLP CRQL STOCK	Beryllium	03-Mar-09	Anne Spradlin	07-Jun-09	0.5 ug/mL	2
09C0016	CLP CRQL STOCK	Arsenic	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Antimony	03-Mar-09	Anne Spradlin	07-Jun-09	6 ug/mL	2

Diane M Gardner 05/14/2009
Prepared By Date

Reviewed By 5/14/09
Date

Analytical Standard Summary

09E0211

375

Description: CLP ICSA
Standard Type: Calibration Standard
Solvent: 2%HNO3
Final Volume 500
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 192-261-4
Prepared: 19-May-09
Expires: 02-Nov-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	244	ug/mL
Barium	7440-39-3	0.002	ug/mL
Calcium	7440-70-2	235	ug/mL
Chromium	7440-47-3	0.043	ug/mL
Cobalt	7440-48-4	0.004	ug/mL
Copper	7440-50-8	0.023	ug/mL
Iron	7439-89-6	95.6	ug/mL
Lead	7439-92-1	0.01	ug/mL
Magnesium	7439-95-4	248	ug/mL
Manganese	7439-96-5	0.019	ug/mL
Nickel	7440-02-0	0.021	ug/mL
Zinc	7440-66-6	0.028	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0085	CLP PART A (1206)	Zinc	06-May-09	Vendor	02-Nov-09	0.28 ug/mL	50
09E0085	CLP PART A (1206)	Nickel	06-May-09	Vendor	02-Nov-09	0.21 ug/mL	50
09E0085	CLP PART A (1206)	Manganese	06-May-09	Vendor	02-Nov-09	0.19 ug/mL	50
09E0085	CLP PART A (1206)	Magnesium	06-May-09	Vendor	02-Nov-09	2480 ug/mL	50
09E0085	CLP PART A (1206)	Lead	06-May-09	Vendor	02-Nov-09	0.1 ug/mL	50
09E0085	CLP PART A (1206)	Iron	06-May-09	Vendor	02-Nov-09	956 ug/mL	50
09E0085	CLP PART A (1206)	Copper	06-May-09	Vendor	02-Nov-09	0.23 ug/mL	50
09E0085	CLP PART A (1206)	Cobalt	06-May-09	Vendor	02-Nov-09	0.04 ug/mL	50
09E0085	CLP PART A (1206)	Chromium	06-May-09	Vendor	02-Nov-09	0.43 ug/mL	50
09E0085	CLP PART A (1206)	Calcium	06-May-09	Vendor	02-Nov-09	2350 ug/mL	50
09E0085	CLP PART A (1206)	Barium	06-May-09	Vendor	02-Nov-09	0.02 ug/mL	50
09E0085	CLP PART A (1206)	Aluminum	06-May-09	Vendor	02-Nov-09	2440 ug/mL	50

Anne Spradlin 5/19/09
Prepared By Date

DT 5/20/09
Reviewed By Date

Analytical Standard Summary

3No

Description: CLP ICSAB
Standard Type: Calibration Standard
Solvent: 2%HNO3
Final Volume 500
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 192-261-5
Prepared: 14-May-09
Expires: 10-Nov-09

Comments: 50mL PART A (1206) + 50mL PART B (0203) in 500mL

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	241	ug/mL
Antimony	7440-36-0	0.589	ug/mL
Arsenic	7440-38-2	0.101	ug/mL
Barium	7440-39-3	0.495	ug/mL
Beryllium	7440-41-7	0.475	ug/mL
Cadmium	7440-43-9	0.94	ug/mL
Calcium	7440-70-2	231	ug/mL
Chromium	7440-47-3	0.511	ug/mL
Cobalt	7440-48-4	0.461	ug/mL
Copper	7440-50-8	0.548	ug/mL
Iron	7439-89-6	94.8	ug/mL
Lead	7439-92-1	0.061	ug/mL
Magnesium	7439-95-4	251	ug/mL
Manganese	7439-96-5	0.502	ug/mL
Nickel	7440-02-0	0.984	ug/mL
Selenium	7782-49-2	0.053	ug/mL
Silver	7440-22-4	0.206	ug/mL
allium	7440-28-0	0.103	ug/mL
anadium	7440-62-2	0.494	ug/mL
Zinc	7440-66-6	1.03	ug/mL

Anne Spradlin 5/14/09
Prepared By Date

DG 05/15/2009
Reviewed By Date

09E0186

377

Analytical Standard Summary

Description: CLP CCV
Standard Type: Calibration Standard
Solvent: 2%HNO3 5%HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 1
Prepared: 16-May-09
Expires: 15-Nov-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	2	ug/mL
Antimony	7440-36-0	2	ug/mL
Arsenic	7440-38-2	2	ug/mL
Barium	7440-39-3	2	ug/mL
Beryllium	7440-41-7	2	ug/mL
Boron	7440-42-8	2	ug/mL
Cadmium	7440-43-9	2	ug/mL
Calcium	7440-70-2	20	ug/mL
Chromium	7440-47-3	2	ug/mL
Cobalt	7440-48-4	2	ug/mL
Copper	7440-50-8	2	ug/mL
Iron	7439-89-6	10	ug/mL
Lead	7439-92-1	2	ug/mL
Magnesium	7439-95-4	20	ug/mL
Manganese	7439-96-5	2	ug/mL
Molybdenum	7439-98-7	2	ug/mL
Nickel	7440-02-0	2	ug/mL
Potassium	7440-09-7	20	ug/mL
Selenium	7782-49-2	2	ug/mL
Silica (SiO2)	7631-86-9	2.14	ug/mL
Silicon	7440-21-3	1	ug/mL
Silver	7440-22-4	2	ug/mL
Sodium	7440-23-5	20	ug/mL
Thallium	7440-28-0	2	ug/mL
Titanium	7440-32-6	2	ug/mL
Vanadium	7440-62-2	2	ug/mL
Zinc	7440-66-6	2	ug/mL

09E0186

378

SVL ANALYTICAL

Analytical Standard Summary

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
08H0316	Sodium	Sodium	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	1.8
08F0350	Magnesium	Magnesium	23-Jun-08	Vendor	12-Dec-09	10000 ug/mL	1.8
09C0169	Iron	Iron	18-Mar-09	Vendor	06-Sep-10	10000 ug/mL	0.8
09C0179	Calcium	Calcium	18-Mar-09	Vendor	06-Sep-10	10000 ug/mL	1.8
09C0168	QCS26 (0816541)	Beryllium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Iron	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Copper	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Cobalt	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Chromium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Calcium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Boron	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Manganese	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Barium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Arsenic	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Antimony	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Aluminum	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Cadmium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Magnesium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Molybdenum	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Nickel	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Potassium	18-Mar-09	Vendor	06-Mar-10	1000 ug/mL	20
09C0168	QCS26 (0816541)	Selenium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Silica (SiO2)	18-Mar-09	Vendor	06-Mar-10	107 ug/mL	20
09C0168	QCS26 (0816541)	Silicon	18-Mar-09	Vendor	06-Mar-10	50 ug/mL	20
09C0168	QCS26 (0816541)	Silver	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
[illegible]C0168	QCS26 (0816541)	Sodium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
[illegible]C0168	QCS26 (0816541)	Thallium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Titanium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Vanadium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Zinc	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Lead	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20

Anne Spradlin 5/16/09

Prepared By Date

DT 5/18/09

Reviewed By Date

SVL ANALYTICAL, INC. KELLOGG, IDAHO

ICP-AES STANDARDS DATA 09140B

STANDARD	SOURCE/LOT #	PREP DATE	PREP BY
S0/ICB/CCB	09E0187	05/16/2009	AS
S1	09E0161	05/14/2009	FH
S2	09E0162	05/14/2009	FH
S3	09E0163	05/14/2009	FH
ICV	09E0210	05/19/2009	AS
CRI	09E0150	05/14/2009	DG
ICSA	09E0211	05/19/2009	AS
ICSAB	09E0166	05/14/2009	AS
CCV	09E0186	05/16/2009	AS

Analytical Standard Summary

380

Description: CLP ICP SPK B
Standard Type: Analyte Spike
Solvent: 5% HNO3
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Kirby Gray
Lot : 192-203-3
Prepared: 11-Mar-09
Expires: 29-Aug-09

Comments:

Analyte	CAS Number	Concentration	Units
Selenium	7782-49-2	10	mg/L
Silver	7440-22-4	10	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
08C0079	Selenium	Selenium	10-Mar-08	Vendor	29-Aug-09	1000 ug/mL	2
08K0184	Silver	Silver	13-Nov-08	Vendor	04-May-10	1000 ug/mL	2

KG for DJS 04/09/2009
Prepared By Date

DG 04/09/2009
Reviewed By Date

Analytical Standard Summary

09E0091

381

Description: CLP ICP SPK A
Standard Type: Analyte Spike
Solvent: 2%HNO3 5% HCl
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Kirby Gray
Lot : NA
Prepared: 06-May-09
Expires: 29-Aug-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	100	mg/L
Antimony	7440-36-0	5	mg/L
Arsenic	7440-38-2	2	mg/L
Barium	7440-39-3	100	mg/L
Beryllium	7440-41-7	2.5	mg/L
Cadmium	7440-43-9	2.5	mg/L
Chromium	7440-47-3	10	mg/L
Cobalt	7440-48-4	25	mg/L
Copper	7440-50-8	12.5	mg/L
Iron	7439-89-6	50	mg/L
Lead	7439-92-1	1	mg/L
Manganese	7439-96-5	25	mg/L
Nickel	7440-02-0	25	mg/L
Thallium	7440-28-0	2.5	mg/L
Vanadium	7440-62-2	25	mg/L
Zinc	7440-66-6	25	mg/L

ent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0117	Nickel	Nickel	12-Jan-09	Vendor	30-Jun-10	1000 ug/mL	5
09A0112	Barium	Barium	12-Jan-09	Vendor	30-Jun-10	10000 ug/mL	2
09A0110	Arsenic	Arsenic	12-Jan-09	Vendor	30-Jun-10	1000 ug/mL	0.4
09A0118	Manganese	Manganese	12-Jan-09	Vendor	30-Jun-10	1000 ug/mL	5
08C0082	Cadmium	Cadmium	10-Mar-08	Vendor	29-Aug-09	1000 ug/mL	0.5
08C0080	Antimony	Antimony	10-Mar-08	Vendor	29-Aug-09	1000 ug/mL	1
08H0314	Iron	Iron	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	1
08H0312	Aluminum	Aluminum	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	2
08J0542	Lead	Lead	30-Oct-08	Vendor	16-Apr-10	1000 ug/mL	0.2
08F0345	Vanadium	Vanadium	22-Jun-08	Vendor	12-Dec-09	1000 ug/mL	5
07L0011	Beryllium	Beryllium	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	0.5
07L0019	Zinc	Zinc	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	5
07L0018	Thallium	Thallium	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	0.5
07L0014	Copper	Copper	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	2.5
07L0013	Chromium	Chromium	14-Dec-07	Vendor	07-Jun-09	1000 ug/mL	2
08D0087	Cobalt	Cobalt	14-Apr-08	Vendor	03-Oct-09	1000 ug/mL	5

Kirby Gray 05/06/2009
Prepared By Date

DT 5/18/09
Reviewed By Date

Analytical Standard Summary

382

Description: S0
Standard Type: Calibration Standard
Solvent: 2% HNO3 5% HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : -
Prepared: 16-May-09
Expires: 12-Nov-09

Comments: OPT 5 & 1

Analyte	CAS Number	Concentration	Units
Hydrochloric Acid	7647-01-0	50000	mg/L
Nitric Acid	7697-37-2	20000	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09D0264	HCl, conc.	Hydrochloric Ac	22-Apr-09	Vendor	22-Apr-10	1000000 ppm	50
09D0256	HNO3, conc.	Nitric Acid	22-Apr-09	Vendor	22-Apr-10	1000000 ppm	20

Anne Spradlin 5/16/09
Prepared By Date

DT 5/18/09
Reviewed By Date

09E0161

383

Analytical Standard Summary

Description: S1
Standard Type: Calibration Standard
Solvent: 2% HNO3 5% HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Felicia Holmquist
Lot : -
Prepared: 14-May-09
Expires: 26-Jul-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	3	mg/L
Antimony	7440-36-0	3	mg/L
Arsenic	7440-38-2	3	mg/L
Barium	7440-39-3	3	mg/L
Beryllium	7440-41-7	3	mg/L
Bismuth	7440-69-9	5	mg/L
Boron	7440-42-8	3	mg/L
Cadmium	7440-43-9	3	mg/L
Calcium	7440-70-2	3	mg/L
Chromium	7440-47-3	3	mg/L
Cobalt	7440-48-4	3	mg/L
Copper	7440-50-8	3	mg/L
Gallium	7440-55-3	5	mg/L
Iron	7439-89-6	3	mg/L
Lead	7439-92-1	3	mg/L
Lithium	7439-93-2	8	mg/L
Magnesium	7439-95-4	3	mg/L
Manganese	7439-96-5	3	mg/L
Molybdenum	7439-98-7	3	mg/L
Nickel	7440-02-0	3	mg/L
Phosphorus	7723-14-0	10	mg/L
Potassium	7440-09-7	30	mg/L
Selenium	7782-49-2	3	mg/L
Silica (SiO2)	7631-86-9	3.21	mg/L
Silicon	7440-21-3	1.5	mg/L
Silver	7440-22-4	3	mg/L
Sodium	7440-23-5	3	mg/L
Strontium	7440-24-6	5	mg/L
Thallium	7440-28-0	3	mg/L
Tin	7440-31-5	5	mg/L
Titanium	7440-32-6	3	mg/L
Vanadium	7440-62-2	3	mg/L
Zinc	7440-66-6	3	mg/L

SVL ANALYTICAL

Analytical Standard Summary

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0292	S1 MIX	Strontium	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
09A0292	S1 MIX	Phosphorus	26-Jan-09	Anne Spradlin	26-Jul-09	1000 mg/L	10
09A0292	S1 MIX	Lithium	26-Jan-09	Anne Spradlin	26-Jul-09	800 mg/L	10
09A0292	S1 MIX	Gallium	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
09A0292	S1 MIX	Bismuth	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
09A0292	S1 MIX	Tin	26-Jan-09	Anne Spradlin	26-Jul-09	500 mg/L	10
08J0535	QCS-26 (0816542)	Barium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Iron	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Copper	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Cobalt	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Chromium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Calcium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Cadmium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Lead	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Beryllium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Potassium	30-Oct-08	Vendor	16-Oct-09	1000 ug/mL	30
08J0535	QCS-26 (0816542)	Arsenic	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Antimony	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Boron	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Magnesium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Manganese	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Aluminum	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Nickel	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Selenium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Silica (SiO2)	30-Oct-08	Vendor	16-Oct-09	107 ug/mL	30
[illegible]0535	QCS-26 (0816542)	Silicon	30-Oct-08	Vendor	16-Oct-09	50 ug/mL	30
[illegible]0535	QCS-26 (0816542)	Silver	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Sodium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Thallium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Titanium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Vanadium	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Zinc	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30
08J0535	QCS-26 (0816542)	Molybdenum	30-Oct-08	Vendor	16-Oct-09	100 ug/mL	30

DT 5/15/09

Felicia E Holmquist 5/14/09

Prepared By Date

DG 05/15/2009

Reviewed By Date

Analytical Standard Summary

09E0162

385

Description: S2
Standard Type: Calibration Standard
Solvent: 2%HN03 5% HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Felicia Holmquist
Lot : 192-262-1
Prepared: 14-May-09
Expires: 10-Nov-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	50	mg/L
Calcium	7440-70-2	50	mg/L
Iron	7439-89-6	50	mg/L
Magnesium	7439-95-4	50	mg/L
Sodium	7440-23-5	50	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
08H0316	Sodium	Sodium	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
08H0314	Iron	Iron	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
08H0313	Calcium	Calcium	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
08H0312	Aluminum	Aluminum	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	5
09C0170	Magnesium	Magnesium	18-Mar-09	Vendor	06-Sep-10	10000 ug/mL	5

DT 5/15/09

Felicia E Holmquist 5/14/09

Prepared By Date

DG 05/15/2009

Reviewed By Date

09E0163

386

Analytical Standard Summary

Description: S3
Standard Type: Calibration Standard
Solvent: 2%HNO3 5%HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Felicia Holmquist
Lot : 192-262-2
Prepared: 14-May-09
Expires: 07-Jun-09

Comments:

Analyte	CAS Number	Concentration	Units
Beryllium	7440-41-7	0.1	mg/L
Lanthanum	7439-91-0	10	mg/L
Scandium	7440-20-2	2	mg/L
Silica (SiO2)	7631-86-9	53.5	mg/L
Silicon	7440-21-3	25	mg/L

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0111	Lanthanum	Lanthanum	12-Jan-09	Vendor	30-Jun-10	10000 ug/mL	1
07L0017	Silicon	Silicon	14-Dec-07	Vendor	07-Jun-09	10000 ug/mL	2.5
07L0017	Silicon	Silica (SiO2)	14-Dec-07	Vendor	07-Jun-09	21400 ug/mL	2.5
09C0176	Beryllium	Beryllium	18-Mar-09	Vendor	06-Sep-10	1000 ug/mL	0.1
08D0085	Scandium	Scandium	14-Apr-08	Vendor	03-Oct-09	10000 ug/mL	0.2

DT 5/15/09

Felicia Holmquist 5/14/09

Prepared By Date

DG 05/15/2009

Reviewed By Date

SVL ANALYTICAL

Analytical Standard Summary

09E0210

387

Description: CLP ICV
Standard Type: Calibration Standard
Solvent: 2%HNO3
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 0307
Prepared: 19-May-09
Expires: 16-Oct-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	2.52	ug/mL
Antimony	7440-36-0	0.994	ug/mL
Arsenic	7440-38-2	0.999	ug/mL
Barium	7440-39-3	0.497	ug/mL
Beryllium	7440-41-7	0.495	ug/mL
Cadmium	7440-43-9	0.496	ug/mL
Calcium	7440-70-2	10	ug/mL
Chromium	7440-47-3	0.49	ug/mL
Cobalt	7440-48-4	0.499	ug/mL
Copper	7440-50-8	0.492	ug/mL
Iron	7439-89-6	5.08	ug/mL
Lead	7439-92-1	1	ug/mL
Magnesium	7439-95-4	6.07	ug/mL
Manganese	7439-96-5	0.499	ug/mL
Nickel	7440-02-0	0.503	ug/mL
Potassium	7440-09-7	10	ug/mL
Selenium	7782-49-2	1.03	ug/mL
er	7440-22-4	0.501	ug/mL
ium	7440-23-5	10.1	ug/mL
allium	7440-28-0	1.03	ug/mL
Vanadium	7440-62-2	0.501	ug/mL
Zinc	7440-66-6	1.02	ug/mL

Parent Standards used in this standard:

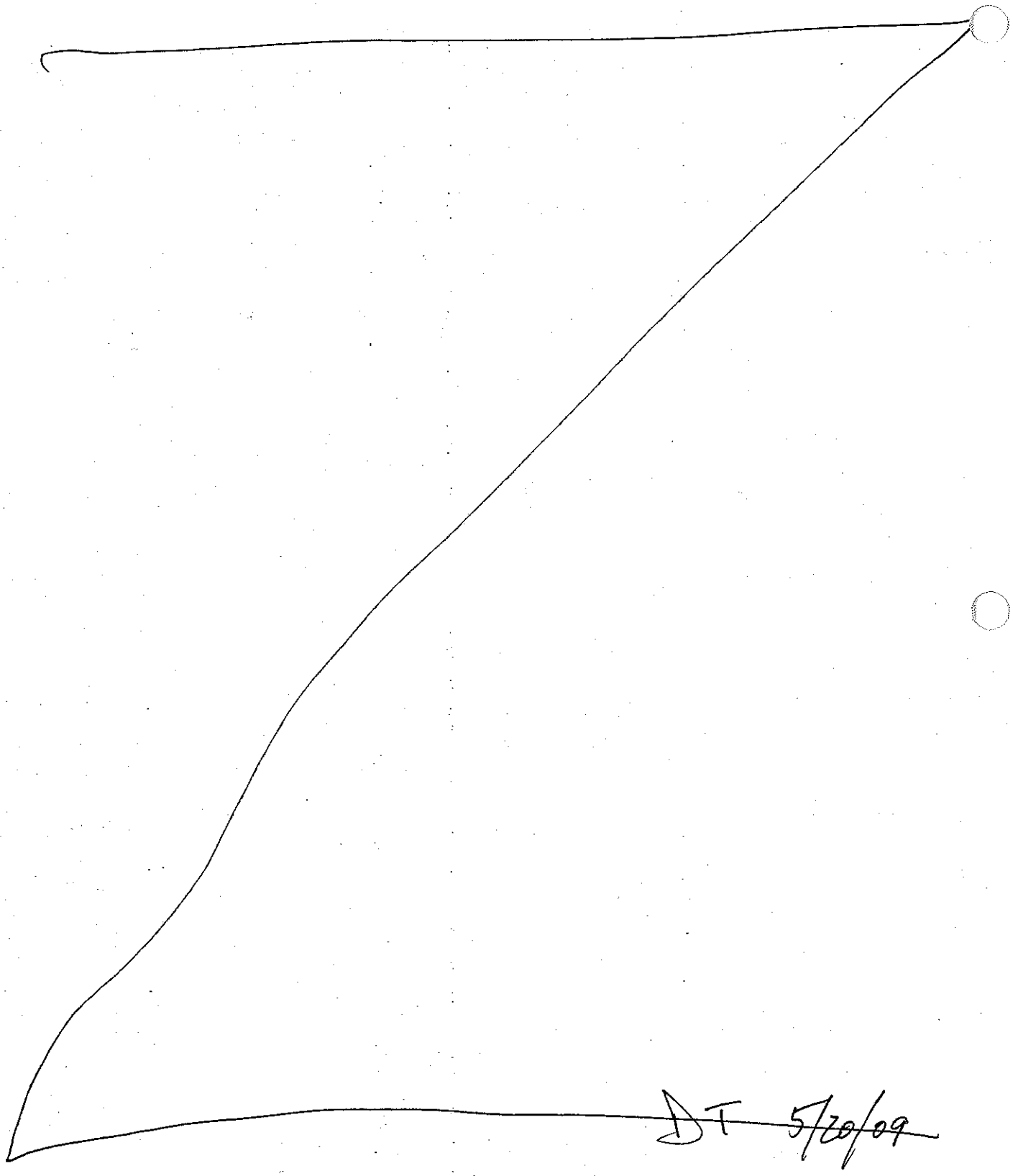
Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0209	CLP ICV-1 (0307)	Lead	19-May-09	Vendor	15-Nov-09	10 ug/mL	20
09E0209	CLP ICV-1 (0307)	Antimony	19-May-09	Vendor	15-Nov-09	9.94 ug/mL	20
09E0209	CLP ICV-1 (0307)	Arsenic	19-May-09	Vendor	15-Nov-09	9.99 ug/mL	20
09E0209	CLP ICV-1 (0307)	Barium	19-May-09	Vendor	15-Nov-09	4.97 ug/mL	20
09E0209	CLP ICV-1 (0307)	Beryllium	19-May-09	Vendor	15-Nov-09	4.95 ug/mL	20
09E0209	CLP ICV-1 (0307)	Cadmium	19-May-09	Vendor	15-Nov-09	4.96 ug/mL	20
09E0209	CLP ICV-1 (0307)	Calcium	19-May-09	Vendor	15-Nov-09	100 ug/mL	20
09E0209	CLP ICV-1 (0307)	Chromium	19-May-09	Vendor	15-Nov-09	4.9 ug/mL	20
09E0209	CLP ICV-1 (0307)	Cobalt	19-May-09	Vendor	15-Nov-09	4.99 ug/mL	20
09E0209	CLP ICV-1 (0307)	Aluminum	19-May-09	Vendor	15-Nov-09	25.2 ug/mL	20
09E0209	CLP ICV-1 (0307)	Iron	19-May-09	Vendor	15-Nov-09	50.8 ug/mL	20
09E0209	CLP ICV-1 (0307)	Zinc	19-May-09	Vendor	15-Nov-09	10.2 ug/mL	20
09E0209	CLP ICV-1 (0307)	Magnesium	19-May-09	Vendor	15-Nov-09	60.7 ug/mL	20
09E0209	CLP ICV-1 (0307)	Manganese	19-May-09	Vendor	15-Nov-09	4.99 ug/mL	20
09E0209	CLP ICV-1 (0307)	Nickel	19-May-09	Vendor	15-Nov-09	5.03 ug/mL	20
09E0209	CLP ICV-1 (0307)	Potassium	19-May-09	Vendor	15-Nov-09	100 ug/mL	20
09E0209	CLP ICV-1 (0307)	Selenium	19-May-09	Vendor	15-Nov-09	10.3 ug/mL	20
E0209	CLP ICV-1 (0307)	Silver	19-May-09	Vendor	15-Nov-09	5.01 ug/mL	20
0209	CLP ICV-1 (0307)	Sodium	19-May-09	Vendor	15-Nov-09	101 ug/mL	20
0209	CLP ICV-1 (0307)	Thallium	19-May-09	Vendor	15-Nov-09	10.3 ug/mL	20
09E0209	CLP ICV-1 (0307)	Vanadium	19-May-09	Vendor	15-Nov-09	5.01 ug/mL	20
09E0209	CLP ICV-1 (0307)	Copper	19-May-09	Vendor	15-Nov-09	4.92 ug/mL	20

SVL ANALYTICAL

Analytical Standard Summary

09E0210

388



DT 5/20/09

Anne Spradlin 5/19/09

Prepared By Date

DT 5/20/09

Reviewed By Date

09E0150

389

Analytical Standard Summary

Description: CLP CRQL
Standard Type: Calibration Standard
Solvent: 2%HNO3 5%HCl
Final Volume 200
Vials: 1

Department: Metals
Prepared By: Diane Gardner
Lot : -
Prepared: 14-May-09
Expires: 07-Jun-09

Comments:

Analyte	CAS Number	Concentration	Units
Antimony	7440-36-0	0.06	ug/mL
Arsenic	7440-38-2	0.01	ug/mL
Beryllium	7440-41-7	0.005	ug/mL
Cadmium	7440-43-9	0.005	ug/mL
Chromium	7440-47-3	0.01	ug/mL
Cobalt	7440-48-4	0.05	ug/mL
Copper	7440-50-8	0.025	ug/mL
Lead	7439-92-1	0.01	ug/mL
Manganese	7439-96-5	0.015	ug/mL
Nickel	7440-02-0	0.04	ug/mL
Selenium	7782-49-2	0.035	ug/mL
Silver	7440-22-4	0.01	ug/mL
Thallium	7440-28-0	0.025	ug/mL
Vanadium	7440-62-2	0.05	ug/mL
Zinc	7440-66-6	0.06	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09C0016	CLP CRQL STOCK	Zinc	03-Mar-09	Anne Spradlin	07-Jun-09	6 ug/mL	2
09C0016	CLP CRQL STOCK	Vanadium	03-Mar-09	Anne Spradlin	07-Jun-09	5 ug/mL	2
09C0016	CLP CRQL STOCK	Thallium	03-Mar-09	Anne Spradlin	07-Jun-09	2.5 ug/mL	2
09C0016	CLP CRQL STOCK	Silver	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Selenium	03-Mar-09	Anne Spradlin	07-Jun-09	3.5 ug/mL	2
09C0016	CLP CRQL STOCK	Nickel	03-Mar-09	Anne Spradlin	07-Jun-09	4 ug/mL	2
09C0016	CLP CRQL STOCK	Manganese	03-Mar-09	Anne Spradlin	07-Jun-09	1.5 ug/mL	2
09C0016	CLP CRQL STOCK	Lead	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Copper	03-Mar-09	Anne Spradlin	07-Jun-09	2.5 ug/mL	2
09C0016	CLP CRQL STOCK	Cobalt	03-Mar-09	Anne Spradlin	07-Jun-09	5 ug/mL	2
09C0016	CLP CRQL STOCK	Chromium	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Cadmium	03-Mar-09	Anne Spradlin	07-Jun-09	0.5 ug/mL	2
09C0016	CLP CRQL STOCK	Beryllium	03-Mar-09	Anne Spradlin	07-Jun-09	0.5 ug/mL	2
09C0016	CLP CRQL STOCK	Arsenic	03-Mar-09	Anne Spradlin	07-Jun-09	1 ug/mL	2
09C0016	CLP CRQL STOCK	Antimony	03-Mar-09	Anne Spradlin	07-Jun-09	6 ug/mL	2

Diane M Gardner 05/14/2009
Prepared By Date

Reviewed By 5/14/09
Date

Analytical Standard Summary

09E0211

390

Description: CLP ICSA
Standard Type: Calibration Standard
Solvent: 2%HNO3
Final Volume 500
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 192-261-4
Prepared: 19-May-09
Expires: 02-Nov-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	244	ug/mL
Barium	7440-39-3	0.002	ug/mL
Calcium	7440-70-2	235	ug/mL
Chromium	7440-47-3	0.043	ug/mL
Cobalt	7440-48-4	0.004	ug/mL
Copper	7440-50-8	0.023	ug/mL
Iron	7439-89-6	95.6	ug/mL
Lead	7439-92-1	0.01	ug/mL
Magnesium	7439-95-4	248	ug/mL
Manganese	7439-96-5	0.019	ug/mL
Nickel	7440-02-0	0.021	ug/mL
Zinc	7440-66-6	0.028	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0085	CLP PART A (1206)	Zinc	06-May-09	Vendor	02-Nov-09	0.28 ug/mL	50
[illegible]0085	CLP PART A (1206)	Nickel	06-May-09	Vendor	02-Nov-09	0.21 ug/mL	50
[illegible]0085	CLP PART A (1206)	Manganese	06-May-09	Vendor	02-Nov-09	0.19 ug/mL	50
09E0085	CLP PART A (1206)	Magnesium	06-May-09	Vendor	02-Nov-09	2480 ug/mL	50
09E0085	CLP PART A (1206)	Lead	06-May-09	Vendor	02-Nov-09	0.1 ug/mL	50
09E0085	CLP PART A (1206)	Iron	06-May-09	Vendor	02-Nov-09	956 ug/mL	50
09E0085	CLP PART A (1206)	Copper	06-May-09	Vendor	02-Nov-09	0.23 ug/mL	50
09E0085	CLP PART A (1206)	Cobalt	06-May-09	Vendor	02-Nov-09	0.04 ug/mL	50
09E0085	CLP PART A (1206)	Chromium	06-May-09	Vendor	02-Nov-09	0.43 ug/mL	50
09E0085	CLP PART A (1206)	Calcium	06-May-09	Vendor	02-Nov-09	2350 ug/mL	50
09E0085	CLP PART A (1206)	Barium	06-May-09	Vendor	02-Nov-09	0.02 ug/mL	50
09E0085	CLP PART A (1206)	Aluminum	06-May-09	Vendor	02-Nov-09	2440 ug/mL	50

Anne Spradlin 5/19/09
Prepared By Date

DT 5/20/09
Reviewed By Date

Analytical Standard Summary

391

Description: CLP ICSAB
Standard Type: Calibration Standard
Solvent: 2%HNO3
Final Volume 500
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 192-261-5
Prepared: 14-May-09
Expires: 10-Nov-09

Comments: 50mL PART A (1206) + 50mL PART B (0203) in 500mL

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	241	ug/mL
Antimony	7440-36-0	0.589	ug/mL
Arsenic	7440-38-2	0.101	ug/mL
Barium	7440-39-3	0.495	ug/mL
Beryllium	7440-41-7	0.475	ug/mL
Cadmium	7440-43-9	0.94	ug/mL
Calcium	7440-70-2	231	ug/mL
Chromium	7440-47-3	0.511	ug/mL
Cobalt	7440-48-4	0.461	ug/mL
Copper	7440-50-8	0.548	ug/mL
Iron	7439-89-6	94.8	ug/mL
Lead	7439-92-1	0.061	ug/mL
Magnesium	7439-95-4	251	ug/mL
Manganese	7439-96-5	0.502	ug/mL
Nickel	7440-02-0	0.984	ug/mL
Selenium	7782-49-2	0.053	ug/mL
Silver	7440-22-4	0.206	ug/mL
Thallium	7440-28-0	0.103	ug/mL
Vanadium	7440-62-2	0.494	ug/mL
Zinc	7440-66-6	1.03	ug/mL

Anne Spradlin 5/14/09
Prepared By Date

DG 05/15/2009
Reviewed By Date

09E0186

392

Analytical Standard Summary

Description: CLP CCV
Standard Type: Calibration Standard
Solvent: 2%HNO3 5%HCl
Final Volume 1000
Vials: 1

Department: Metals
Prepared By: Anne Spradlin
Lot : 1
Prepared: 16-May-09
Expires: 15-Nov-09

Comments:

Analyte	CAS Number	Concentration	Units
Aluminum	7429-90-5	2	ug/mL
Antimony	7440-36-0	2	ug/mL
Arsenic	7440-38-2	2	ug/mL
Barium	7440-39-3	2	ug/mL
Beryllium	7440-41-7	2	ug/mL
Boron	7440-42-8	2	ug/mL
Cadmium	7440-43-9	2	ug/mL
Calcium	7440-70-2	20	ug/mL
Chromium	7440-47-3	2	ug/mL
Cobalt	7440-48-4	2	ug/mL
Copper	7440-50-8	2	ug/mL
Iron	7439-89-6	10	ug/mL
Lead	7439-92-1	2	ug/mL
Magnesium	7439-95-4	20	ug/mL
Manganese	7439-96-5	2	ug/mL
Molybdenum	7439-98-7	2	ug/mL
Nickel	7440-02-0	2	ug/mL
Potassium	7440-09-7	20	ug/mL
Selenium	7782-49-2	2	ug/mL
Silica (SiO2)	7631-86-9	2.14	ug/mL
Silicon	7440-21-3	1	ug/mL
Silver	7440-22-4	2	ug/mL
Sodium	7440-23-5	20	ug/mL
Thallium	7440-28-0	2	ug/mL
Titanium	7440-32-6	2	ug/mL
Vanadium	7440-62-2	2	ug/mL
Zinc	7440-66-6	2	ug/mL

SVL ANALYTICAL

Analytical Standard Summary

09E0186

393

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
08H0316	Sodium	Sodium	26-Aug-08	Vendor	19-Feb-10	10000 ug/mL	1.8
08F0350	Magnesium	Magnesium	23-Jun-08	Vendor	12-Dec-09	10000 ug/mL	1.8
09C0169	Iron	Iron	18-Mar-09	Vendor	06-Sep-10	10000 ug/mL	0.8
09C0179	Calcium	Calcium	18-Mar-09	Vendor	06-Sep-10	10000 ug/mL	1.8
09C0168	QCS26 (0816541)	Beryllium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Iron	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Copper	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Cobalt	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Chromium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Calcium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Boron	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Manganese	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Barium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Arsenic	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Antimony	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Aluminum	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Cadmium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Magnesium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Molybdenum	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Nickel	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Potassium	18-Mar-09	Vendor	06-Mar-10	1000 ug/mL	20
09C0168	QCS26 (0816541)	Selenium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Silica (SiO2)	18-Mar-09	Vendor	06-Mar-10	107 ug/mL	20
09C0168	QCS26 (0816541)	Silicon	18-Mar-09	Vendor	06-Mar-10	50 ug/mL	20
09C0168	QCS26 (0816541)	Silver	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
[illegible]C0168	QCS26 (0816541)	Sodium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
[illegible]C0168	QCS26 (0816541)	Thallium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Titanium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Vanadium	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Zinc	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20
09C0168	QCS26 (0816541)	Lead	18-Mar-09	Vendor	06-Mar-10	100 ug/mL	20

Anne Spradlin 5/16/09 DT 5/18/09

Prepared By Date Reviewed By Date

Mercury Standards Calibration Check Sheet

Correlation (r) =	0.99996	PASS	Coefficient, Intercept, and Slope taken from Cetac Analysis Report
Intercept (b) =	21.6370		
Slope (m) =	5460.0090		

Standard	Average Absorbance	Curve Value	% Disagreement	Pass or Fail
S0	-42.90	-0.0118	N/A	N/A
S0.2	1190.00	0.2140	6.99	N/A
S0.5	2840.00	0.5162	3.24	PASS
S1	5450.00	0.9942	0.58	PASS
S2	11100.00	2.0290	1.45	PASS
S5	27000.00	4.9411	1.18	PASS
S10	54800.00	10.0327	0.33	PASS

Curve Value Calculation Example: (B9-C4)/C5
(Average Absorbance - Intercept)/Slope

Disagreement Calculation Example: ABS(100-(C10/RIGHT(A10,LEN(A10)-1))*100)
ABS(100-(Curve Value/Standard)*100)

Pass or Fail Calculation Example: IF(ROUND(D11,0)>5,"FAIL","PASS")
IF(ROUND(%Disagreement,0)>5,"FAIL","PASS")

Analytical Standard Summary

09E0136

395

Description: Intermediate Std 1
Standard Type: Other
Solvent: 2 % HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	10	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0125	Mercury 1000 ug/ml stock	Mercury	12-Jan-09	Vendor	06-Jul-10	1000 ug/mL	1

Judy Ashcraft 05/13/2009
Prepared By Date

HB 05/13/2009
Reviewed By Date

Analytical Standard Summary

09E0137

396

Description: Intermediate Std 2
Standard Type: Analyte Spike
Solvent: 2% HNO3
Final Volume 200
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.1	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0136	Intermediate Std 1	Mercury	13-May-09	Judy Ashcraft	14-May-09	10 ug/mL	2

Judy Ashcraft 05/13/2009
Prepared By Date

JB 05/13/2009
Reviewed By Date

09E0138

397

Analytical Standard Summary

Description: BLK/ICB/CCB
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : K1408
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Nitric Acid	7697-37-2	2	NA

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09A0192	HNO3, conc.	Nitric Acid	15-Jan-09	Vendor	14-Jan-10	100 NA	2

Judy Ashcraft 05/13/2009
Prepared By Date

Reviewed By 05/13/2009
Date

09E0140

398

Analytical Standard Summary

Description: ICV
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0508
Prepared: 13-May-09
Expires: 14-May-09

Comments: Prepared Fresh Daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.004	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09D0057	HG-CLP ICV-5 (0508)	Mercury	06-Apr-09	Vendor	06-Apr-10	0.4 ug/mL	1

Judy Ashcraft 05/13/2009
Prepared By Date

HB 05/13/2009
Reviewed By Date

Analytical Standard Summary

09E0141

399

Description: CRI
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Prepared Fresh Daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.0002	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	0.2

Judy Ashcraft 05/13/2009
Prepared By Date

HB 05/13/2009
Reviewed By Date

Analytical Standard Summary

09E0142

400

Description: STD 0.2
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.0002	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	0.2

Judy Ashcraft 05/13/2009
Prepared By Date

JNB 05/13/2009
Reviewed By Date

09E0143

401

Analytical Standard Summary

Description: STD 0.5
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.0005	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	0.5

Judy Ashcraft 05/13/2009
Prepared By Date

XB 05/13/2009
Reviewed By Date

Analytical Standard Summary

09E0144

402

Description: STD 1.0
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.001	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	1

Judy Ashcraft 05/13/2009
Prepared By Date

NB 05/13/2009
Reviewed By Date

Analytical Standard Summary

09E0145

403

Description: STD 2.0/CCV
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.002	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	2

Judy Ashcraft 05/13/2009
Prepared By Date

HB 05/13/2009
Reviewed By Date

Analytical Standard Summary

09E0146

404

Description: STD 5.0
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.005	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	5

Judy Ashcraft 05/13/2009
Prepared By Date

HB 05/13/2009
Reviewed By Date

09E0147

405

Analytical Standard Summary

Description: STD 10.0
Standard Type: Calibration Standard
Solvent: 2% HNO3
Final Volume 100
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 0830914
Prepared: 13-May-09
Expires: 14-May-09

Comments: Standard prepared and expired daily

Analyte	CAS Number	Concentration	Units
Mercury	7439-97-6	0.01	ug/mL

Parent Standards used in this standard:

Standard	Standard Description	Analyte	Prepared	Prepared By	Expires	Concentration	mL used
09E0137	Intermediate Std 2	Mercury	13-May-09	Judy Ashcraft	14-May-09	0.1 ug/mL	10

Judy Ashcraft 05/13/2009
Prepared By Date

XB 05/13/2009
Reviewed By Date

Analytical Standard Summary

Description: HNO3, conc.
Standard Type: Reagent
Solvent: conc. HNO3
Final Volume 2500
Vials: 1

Department: Mercury
Prepared By: Vendor
Lot : K1408
Prepared: 15-Jan-09
Expires: 14-Jan-10

Comments:

Analyte	CAS Number	Concentration	Units
Nitric Acid	7697-37-2	100	NA

N/A
Prepared By Date

Reviewed By 04/21/2009
Date

09A0222

407

Analytical Standard Summary

Description: H2SO4 conc.
Standard Type: Reagent
Solvent: conc H2SO4
Final Volume 2500
Vials: 1

Department: Mercury
Prepared By: Vendor
Lot : G35026
Prepared: 15-Jan-09
Expires: 14-Jan-10

Comments:

Analyte	CAS Number	Concentration	Units
Sulfuric Acid	8014-95-7	100	NA

N/A
Prepared By Date

NB 05/06/2009
Reviewed By Date

Analytical Standard Summary

408

Description:	Stannous Chloride Sol.	Department:	Mercury
Standard Type:	Reagent	Prepared By:	Judy Ashcraft
Solvent:	H2O/HCL	Lot :	200607503
Final Volume	4000	Prepared:	20-Apr-09
Vials:	1	Expires:	17-Oct-09

Comments: 400 g. of Stannous Chloride. Disolved in 280 mL HCL (J.T. Baker Lot # E48032). Bulked to 4000 mL, for a 10% sol.

Analyte	CAS Number	Concentration	Units
Stannous Chloride	7772-99-8	10	NA

Judy Ashcraft 04/20/2009
Prepared By Date

NB 04/21/2009
Reviewed By Date

Analytical Standard Summary

09D0234

409

Description: Potassium Persulfate Sol.
Standard Type: Reagent
Solvent: H20
Final Volume 2500
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : 200707305
Prepared: 21-Apr-09
Expires: 18-Oct-09

Comments: 125 g. of Potassium Persulfate into DI H20
Final Volume 2500 mL FOR A 5% SOL.

Analyte	CAS Number	Concentration	Units
Potassium Persulfate	7727-21-1	5	NA

Judy Ashcraft 04/21/2009
Prepared By Date

NB 04/21/2009
Reviewed By Date

Analytical Standard Summary

H10

Description:	Hydroxylamine Hydrochloride Sol.	Department:	Mercury
Standard Type:	Reagent	Prepared By:	Judy Ashcraft
Solvent:	H20	Lot :	200709603
Final Volume	2500	Prepared:	23-Apr-09
Vials:	16	Expires:	20-Oct-09

Comments: 300 g. of Hydoxylamine Hydrochloride into H20. 300 g. of Sodium Chloride (CCI Lot # 200532107). Final Volume 2500 mL, for a 8.3% sol.

Analyte	CAS Number	Concentration	Units
Hydroxylamine Hydrochloride	5470-11-1	8.3	NA

Judy Ashcraft 04/23/2009
Prepared By Date

HB 04/23/2009
Reviewed By Date

Analytical Standard Summary

09E0043

411

Description: Potassium Permanganate Sol.
Standard Type: Reagent
Solvent: H2O
Final Volume 2000
Vials: 1

Department: Mercury
Prepared By: Judy Ashcraft
Lot : G25592
Prepared: 05-May-09
Expires: 01-Nov-09

Comments: 100 g. Potassium Permanganate into DI H20.
Final Volume 2000 mL, for a 5% solution

Analyte	CAS Number	Concentration	Units
Potassium Permanganate	7722-64-7	5	NA

Judy Ashcraft 05/05/2009
Prepared By Date

HB 05/05/2009
Reviewed By Date

Analytical Run Log
ICP-OES

Data File: 09140A.csv

Sample ID	Date	Time	Job Number	Instrument	Analyst
S0	5/20/2009	7:18:32 AM			DT
S	5/20/2009	7:24:23 AM			DT
S	5/20/2009	7:29:57 AM			DT
S	5/20/2009	7:34:44 AM			DT
ICV	5/20/2009	7:39:28 AM			DT
ICB	5/20/2009	7:45:19 AM			DT
CRI	5/20/2009	7:51:08 AM			DT
ICSA	5/20/2009	7:56:58 AM			DT
ICSAB	5/20/2009	8:03:09 AM			DT
CCV	5/20/2009	8:09:23 AM			DT
CCB	5/20/2009	8:15:17 AM			DT
~~PBS~~ zzzzzz	5/20/2009	8:36:23 AM			DT
PBS	5/20/2009	8:46:55 AM			DT
LCSS	5/20/2009	8:52:45 AM			DT
ME2QQ1	5/20/2009	8:59:02 AM	W920086	OPT5	DT
ME2QQ2	5/20/2009	9:04:58 AM	W920086	OPT5	DT
ME2QQ3	5/20/2009	9:10:56 AM	W920086	OPT5	DT
ME2QQ4	5/20/2009	9:16:50 AM	W920086	OPT5	DT
ME2QQ5	5/20/2009	9:22:50 AM	W920086	OPT5	DT
ME2QQ2 3X	5/20/2009	9:28:48 AM	W920086	OPT5	DT
ME2QQ4 3X	5/20/2009	9:34:42 AM	W920086	OPT5	DT
CCV	5/20/2009	9:40:39 AM			DT
CCB	5/20/2009	9:46:47 AM			DT
ME2QQ6	5/20/2009	9:52:39 AM	W920086	OPT5	DT
ME2QQ7	5/20/2009	9:58:38 AM	W920086	OPT5	DT
ME2QQ8	5/20/2009	10:04:32 AM	W920086	OPT5	DT
ME2QR1	5/20/2009	10:10:29 AM	W920086	OPT5	DT
ME2QR2	5/20/2009	10:16:39 AM	W920086	OPT5	DT
ME2QR3	5/20/2009	10:22:53 AM	W920086	OPT5	DT
CRI	5/20/2009	10:28:37 AM			DT
ICSA	5/20/2009	10:34:33 AM			DT
ICSAB	5/20/2009	10:40:51 AM			DT
CCV	5/20/2009	10:47:09 AM			DT
CCB	5/20/2009	10:53:05 AM			DT
ME2QR4	5/20/2009	10:58:57 AM	W920086	OPT5	DT
ME2QR5	5/20/2009	11:04:44 AM	W920086	OPT5	DT
ME2QR6	5/20/2009	11:10:42 AM	W920086	OPT5	DT
ME2QR7	5/20/2009	11:16:33 AM	W920086	OPT5	DT
ME2QR8	5/20/2009	11:25:36 AM	W920086	OPT5	DT
ME2QR8L	5/20/2009	11:33:17 AM	W920086	OPT5	DT
ME2QR8D	5/20/2009	11:47:46 AM	W920086	OPT5	DT
ME2QR8S	5/20/2009	11:53:52 AM	W920086	OPT5	DT
ME2QR9	5/20/2009	11:59:58 AM	W920086	OPT5	DT
ME2QR9 5X	5/20/2009	12:08:43 PM	W920086	OPT5	DT
CCV	5/20/2009	12:14:35 PM			DT
CCB	5/20/2009	12:20:30 PM			DT
ME2QR3 5X	5/20/2009	12:30:11 PM	W920086	OPT5	DT
ME2QR6 3X	5/20/2009	12:36:05 PM	W920086	OPT5	DT
ME2QR4 5X	5/20/2009	12:42:00 PM	W920086	OPT5	DT
ME2QR8A	5/20/2009	12:47:53 PM	W920086	OPT5	DT

Analytical Run Log
ICP-OES

Data File: 09140A.csv

CRI	5/20/2009	12:54:00 PM			DT
ICSA	5/20/2009	12:59:51 PM			DT
ICSAB	5/20/2009	1:06:06 PM			DT
CCV	5/20/2009	1:12:20 PM			DT
CCB	5/20/2009	1:18:20 PM			DT
ME2QS0	5/20/2009	1:24:09 PM	W920086	OPT5	DT
ME2QS1	5/20/2009	1:30:12 PM	W920086	OPT5	DT
ME2QS2	5/20/2009	1:36:11 PM	W920086	OPT5	DT
~~ME2QS0 5X~~	5/20/2009	1:42:15 PM	W920086	OPT5	DT
ME2QS0 5X	5/20/2009	1:54:06 PM	W920086	OPT5	DT
ME2QS2 2X	5/20/2009	2:01:04 PM	W920086	OPT5	DT
CRI	5/20/2009	2:07:02 PM			DT
ICSA	5/20/2009	2:13:00 PM			DT
ICSAB	5/20/2009	2:19:15 PM			DT
CCV	5/20/2009	2:25:30 PM			DT
CCB	5/20/2009	2:31:29 PM			DT

KW zzzzzz
05/26/2009

Analytical Run Log
ICP-OES

Data File: 09140B.csv

Sample ID	Date	Time	Job Number	Instrument	Analyst
S0	5/20/2009	2:57:56 PM			DT/FEH
S	5/20/2009	3:03:43 PM			DT/FEH
S	5/20/2009	3:09:10 PM			DT/FEH
S	5/20/2009	3:13:59 PM			DT/FEH
ICV	5/20/2009	3:18:45 PM			DT/FEH
ICB	5/20/2009	3:24:36 PM			DT/FEH
CRI	5/20/2009	3:30:22 PM			DT/FEH
ICSA	5/20/2009	3:36:10 PM			DT/FEH
ICSAB	5/20/2009	3:42:21 PM			DT/FEH
CCV	5/20/2009	3:48:33 PM			DT/FEH
CCB	5/20/2009	3:54:26 PM			DT/FEH
ME2QR4	5/20/2009	4:00:31 PM	W920086	OPT5	AS/FEH
ME2QR5	5/20/2009	4:06:07 PM	W920086	OPT5	AS/FEH
ME2QR6	5/20/2009	4:12:03 PM	W920086	OPT5	AS/FEH
ME2QR7	5/20/2009	4:17:46 PM	W920086	OPT5	AS/FEH
ME2QR8	5/20/2009	4:23:51 PM	W920086	OPT5	AS/FEH
ME2QR8L	5/20/2009	4:29:57 PM	W920086	OPT5	AS/FEH
ME2QR8D	5/20/2009	4:36:47 PM	W920086	OPT5	AS/FEH
ME2QR8S	5/20/2009	4:42:56 PM	W920086	OPT5	AS/FEH
ME2QR9	5/20/2009	4:49:04 PM	W920086	OPT5	AS/FEH
CCV	5/20/2009	4:54:52 PM			AS/FEH
CCB	5/20/2009	5:00:52 PM			AS/FEH
ME2QS0	5/20/2009	5:06:43 PM	W920086	OPT5	AS/FEH
ME2QS1	5/20/2009	5:12:49 PM	W920086	OPT5	AS/FEH
ME2QS2	5/20/2009	5:18:46 PM	W920086	OPT5	AS/FEH
CRI	5/20/2009	5:24:50 PM			AS/FEH
ICSA	5/20/2009	5:30:45 PM			AS/FEH
ICSAB	5/20/2009	5:37:02 PM			AS/FEH
CCV	5/20/2009	5:43:17 PM			AS/FEH
CCB	5/20/2009	5:49:18 PM			AS/FEH

CETAC Hg Analysis Report - 09051301.DB - Wednesday, May 13, 2009, 12:41:59 PM

HG Run LOG 4/5

Analyst	JAA
Date Started	Wednesday, May 13, 2009, 09:22:57
Worksheet	X051309B
Comment	ILM05.4 ME2QQ1

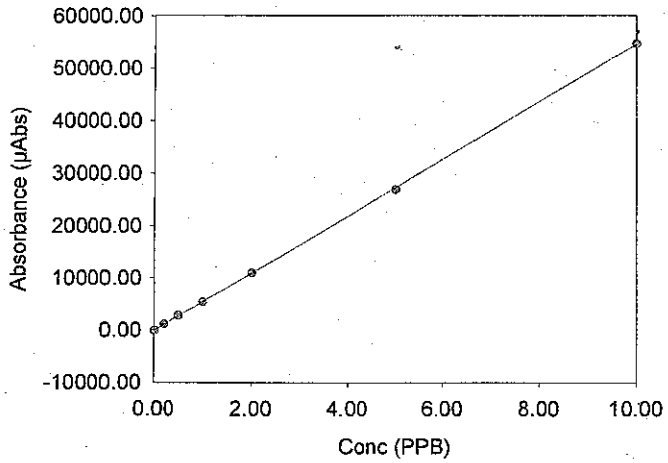
Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
Std Tube 6	13-May-2009, 09:22	10.00	29.00	26900.00	19020	27067	34610	

Information about this calibration could not be retrieved from the Master File.

5/20/2009

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
KG ~~Calibration Zero~~ S0	13-May-2009, 09:24	0.00	3.61	-42.90	-44	-43	-41	
KG ~~Standard #1~~ S0.2	13-May-2009, 09:25	0.20	1.99	1190.00	1170	1196	1218	
KG ~~Standard #2~~ S0.5	13-May-2009, 09:27	0.50	0.47	2840.00	2829	2846	2856	
KG ~~Standard #3~~ S1	13-May-2009, 09:29	1.00	0.16	5450.00	5461	5455	5443	
KG ~~Standard #4~~ S2	13-May-2009, 09:30	2.00	0.10	11100.00	11071	11076	11054	
KG ~~Standard #5~~ S5	13-May-2009, 09:32	5.00	0.30	27000.00	26882	26984	27041	
KG ~~Standard #6~~ S10	13-May-2009, 09:34	10.00	0.11	54800.00	54708	54775	54827	

Calibration Data



Int.	21.637
Slope	5460.009
Correlation	0.99996

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
ICV	13-May-2009, 09:35	4.18	0.18	22800.00	22797	22833	22877	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
ICB	13-May-2009, 09:37	-0.04	0.47	-198.00	-198	-197	-199	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CRI	13-May-2009, 09:38	0.20	0.33	1110.00	1110	1112	1117	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCV	13-May-2009, 09:40	2.00	2.02	11000.00	10738	10970	11180	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCB	13-May-2009, 09:42	-0.00	7.92	-1.13	0	-1	-3	

5/20/2009

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
KG ~~PCS~~ PBS	13-May-2009, 09:43	0.01	3.75	59.10	59	61	58	
LCSS	13-May-2009, 09:45	7.44	0.29	40600.00	40510	40633	40744	
ME2QQ1	13-May-2009, 09:48	0.23	0.88	1290.00	1286	1291	1307	
ME2QQ2	13-May-2009, 09:49	0.39	0.96	2130.00	2111	2131	2151	
ME2QQ3	13-May-2009, 09:51	0.29	1.19	1630.00	1646	1626	1608	
ME2QQ4	13-May-2009, 09:52	0.32	2.21	1780.00	1742	1787	1819	
ME2QQ5	13-May-2009, 09:54	0.18	0.38	1010.00	1010	1013	1017	
ME2QQ6	13-May-2009, 09:56	0.95	0.62	5240.00	5215	5219	5273	
ME2QQ7	13-May-2009, 09:57	0.06	2.52	375.00	384	374	366	
ME2QQ8	13-May-2009, 09:59	0.04	3.62	236.00	229	234	244	

COPY ORIGINAL IS RAW Data

CETAC Hg Analysis Report - 09051301.DB - Wednesday, May 13, 2009, 12:41:59 PM

HG Run LOG 4/16

Analyst	JAA
Date Started	Wednesday, May 13, 2009, 10:01:02
Worksheet	X051309B
Comment	ILM05.4 ME2QQ1

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings			Flags
CCV	13-May-2009, 10:01	2.02	0.82	11000.00	10931	11033	11112	
CCB	13-May-2009, 10:02	-0.00	216.00	20.50	21	18	23	
ME2QR1	13-May-2009, 10:04	0.30	0.88	1670.00	1685	1679	1657	
ME2QR2	13-May-2009, 10:05	0.26	0.79	1470.00	1457	1469	1479	
ME2QR3	13-May-2009, 10:07	0.81	0.11	4470.00	4466	4473	4475	
ME2QR4	13-May-2009, 10:09	0.88	0.22	4820.00	4812	4830	4831	
ME2QR5	13-May-2009, 10:10	0.10	0.42	589.00	592	589	587	
ME2QR6	13-May-2009, 10:12	0.64	0.67	3500.00	3482	3494	3528	
ME2QR7	13-May-2009, 10:13	0.11	5.27	624.00	592	623	656	
ME2QR8	13-May-2009, 10:15	0.27	0.26	1500.00	1499	1500	1506	
ME2QR8D	13-May-2009, 10:17	0.22	0.33	1210.00	1204	1208	1211	
CRI	13-May-2009, 10:18	0.20	0.92	1110.00	1116	1116	1099	
CCV	13-May-2009, 10:20	1.99	0.19	10900.00	10864	10883	10906	
CCB	13-May-2009, 10:22	0.00	90.60	29.30	34	21	33	
ME2QR8S	13-May-2009, 10:23	0.95	3.14	5230.00	5077	5202	5402	
ME2QR9	13-May-2009, 10:25	1.21	0.05	6650.00	6654	6648	6648	
ME2QS0	13-May-2009, 10:26	0.88	1.62	4800.00	4886	4797	4731	
ME2QS1	13-May-2009, 10:28	0.06	0.58	373.00	375	372	371	
ME2QS2	13-May-2009, 10:30	0.49	1.74	2690.00	2641	2702	2733	
CRI	13-May-2009, 10:31	0.21	0.65	1160.00	1155	1156	1168	
CCV	13-May-2009, 10:33	2.08	0.22	11400.00	11359	11384	11409	
CCB	13-May-2009, 10:34	-0.00	114.00	17.60	14	23	16	

COPY

ORIGINAL IS RAW Data

DC 05/26/2009

SVL ANALYTICAL
One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

Sample Receipt Confirmation

Work Order
W9E0163

Date Due: 21-May-09 (10 day TAT)
Received: 07-May-09 11:15

Client: **US EPA**
Project: **EP-W-08-068**
Project Manager: **Kirby Gray**

Report To:
US EPA

15000 Conference Center/ Sample Management Office
Chantilly, VA 20151-3808
Phone: -
Fax: -

Invoice To:
US EPA

15000 Conference Center/ Sample Management Office
Chantilly, VA 20151-3808
Phone: -
Fax: -

Cooler information for 1 Temp: 9.7°C Q6: Cooler temp outside 0-6° **No**
Custody Seals **Yes** Containers Intact **Yes** COC/Labels Agree **Yes** Preservation Confirmed **No** Received On Ice **Yes**

Sample information and analyses assigned	Comments	Removed Analyte
W9E0163-17 **ME2QR9 [Solid] 05-May-09 15:25 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-18 **ME2QS0 [Solid] 05-May-09 15:35 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-19 **ME2QS1 [Solid] 05-May-09 16:11 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-20 **ME2QS2 [Solid] 05-May-09 16:21 Central** CLP - 1-22 ICP/Hg (21 days)		

Analysis groups included in this work order

CLP - 1-22 ICP/Hg (21 days)

CLP AES Ag	CLP AES Al	CLP AES As	CLP AES Ba
CLP AES Be	CLP AES Ca	CLP AES Cd	CLP AES Co
CLP AES Cr	CLP AES Cu	CLP AES Fe	CLP AES K
CLP AES Mg	CLP AES Mn	CLP AES Na	CLP AES Ni
CLP AES Pb	CLP AES Sb	CLP AES Se	CLP AES Tl
CLP AES V	CLP AES Zn	CLP Hg	Percent Solids

Solid samples will be analyzed on an as-received, wet-weight basis unless otherwise instructed.
Work Order Comments:

Kirby Gray
Reviewed By

05/11/2009
Date

Samples will be disposed 30 days from report date (45 for soils). Longer archiving must be requested.
Please contact Crystal Sevy (208-784-1258) if you have questions regarding the receipt of these samples.

Printed: 5/7/2009 05:52 PM

SVL ANALYTICAL
One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

Sample Receipt Confirmation

Work Order
W9E0163

Date Due: 21-May-09 (10 day TAT)
Received: 07-May-09 11:15

Client: **US EPA**
Project: **EP-W-08-068**
Project Manager: **Kirby Gray**

Report To:
US EPA

15000 Conference Center/ Sample Management Office
Chantilly, VA 20151-3808
Phone: -
Fax: -

Invoice To:
US EPA

15000 Conference Center/ Sample Management Office
Chantilly, VA 20151-3808
Phone: -
Fax: -

Cooler information for **1** Temp: 9.7°C Q6: Cooler temp outside 0-6° **No**
Custody Seals **Yes** Containers Intact **Yes** COC/Labels Agree **Yes** Preservation Confirmed **No** Received On Ice **Yes**

Sample information and analyses assigned	Comments	Removed Analyte
W9E0163-01 **ME2QQ1 [Solid] 05-May-09 11:25 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-02 **ME2QQ2 [Solid] 05-May-09 11:40 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-03 **ME2QQ3 [Solid] 05-May-09 12:30 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-04 **ME2QQ4 [Solid] 05-May-09 12:42 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-05 **ME2QQ5 [Solid] 05-May-09 14:20 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-06 **ME2QQ6 [Solid] 05-May-09 14:35 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-07 **ME2QQ7 [Solid] 05-May-09 15:15 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-08 **ME2QQ8 [Solid] 05-May-09 15:30 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-09 **ME2QR1 [Solid] 05-May-09 11:39 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-10 **ME2QR2 [Solid] 05-May-09 11:40 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-11 **ME2QR3 [Solid] 05-May-09 12:03 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-12 **ME2QR4 [Solid] 05-May-09 12:05 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-13 **ME2QR5 [Solid] 05-May-09 13:10 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-14 **ME2QR6 [Solid] 05-May-09 13:20 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-15 **ME2QR7 [Solid] 05-May-09 14:00 Central** CLP - 1-22 ICP/Hg (21 days)		
W9E0163-16 **ME2QR8 [Solid] 05-May-09 14:20 Central** CLP - 1-22 ICP/Hg (21 days)		

Samples will be disposed 30 days from report date (45 for soils). Longer archiving must be requested.
Please contact Crystal Sevy (208-784-1258) if you have questions regarding the receipt of these samples.

Printed: 5/7/2009 05:52 PM

One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

Sample Receipt Confirmation

Work Order
W9E0163

Date Due: 21-May-09 (10 day TAT)
Received: 07-May-09 11:15

Client: **US EPA**
Project: **EP-W-08-068**
Project Manager: **Kirby Gray**

	W9E0163-01 ME2QQ1 Solid	W9E0163-02 ME2QQ2 Solid	W9E0163-03 ME2QQ3 Solid	W9E0163-04 ME2QQ4 Solid	W9E0163-05 ME2QQ5 Solid	W9E0163-06 ME2QQ6 Solid	W9E0163-07 ME2QQ7 Solid	W9E0163-08 ME2QQ8 Solid
CLP Hg	X	X	X	X	X	X	X	X
CLP AES Ag	X	X	X	X	X	X	X	X
CLP AES Al	X	X	X	X	X	X	X	X
CLP AES As	X	X	X	X	X	X	X	X
CLP AES Ba	X	X	X	X	X	X	X	X
CLP AES Be	X	X	X	X	X	X	X	X
CLP AES Ca	X	X	X	X	X	X	X	X
CLP AES Cd	X	X	X	X	X	X	X	X
CLP AES Co	X	X	X	X	X	X	X	X
CLP AES Cr	X	X	X	X	X	X	X	X
CLP AES Cu	X	X	X	X	X	X	X	X
CLP AES Fe	X	X	X	X	X	X	X	X
CLP AES K	X	X	X	X	X	X	X	X
CLP AES Mg	X	X	X	X	X	X	X	X
CLP AES Mn	X	X	X	X	X	X	X	X
CLP AES Na	X	X	X	X	X	X	X	X
CLP AES Ni	X	X	X	X	X	X	X	X
CLP AES Pb	X	X	X	X	X	X	X	X
CLP AES Sb	X	X	X	X	X	X	X	X
CLP AES Se	X	X	X	X	X	X	X	X
CLP AES Tl	X	X	X	X	X	X	X	X
CLP AES V	X	X	X	X	X	X	X	X
CLP AES Zn	X	X	X	X	X	X	X	X
Percent Solids	X	X	X	X	X	X	X	X

	W9E0163-09 ME2QR1 Solid	W9E0163-10 ME2QR2 Solid	W9E0163-11 ME2QR3 Solid	W9E0163-12 ME2QR4 Solid	W9E0163-13 ME2QR5 Solid	W9E0163-14 ME2QR6 Solid	W9E0163-15 ME2QR7 Solid	W9E0163-16 ME2QR8 Solid
CLP Hg	X	X	X	X	X	X	X	X
CLP AES Ag	X	X	X	X	X	X	X	X
CLP AES Al	X	X	X	X	X	X	X	X
CLP AES As	X	X	X	X	X	X	X	X
CLP AES Ba	X	X	X	X	X	X	X	X
CLP AES Be	X	X	X	X	X	X	X	X
CLP AES Ca	X	X	X	X	X	X	X	X
CLP AES Cd	X	X	X	X	X	X	X	X
CLP AES Co	X	X	X	X	X	X	X	X
CLP AES Cr	X	X	X	X	X	X	X	X
CLP AES Cu	X	X	X	X	X	X	X	X
CLP AES Fe	X	X	X	X	X	X	X	X
CLP AES K	X	X	X	X	X	X	X	X
CLP AES Mg	X	X	X	X	X	X	X	X
CLP AES Mn	X	X	X	X	X	X	X	X
CLP AES Na	X	X	X	X	X	X	X	X
CLP AES Ni	X	X	X	X	X	X	X	X
CLP AES Pb	X	X	X	X	X	X	X	X
CLP AES Sb	X	X	X	X	X	X	X	X
CLP AES Se	X	X	X	X	X	X	X	X
CLP AES Tl	X	X	X	X	X	X	X	X
CLP AES V	X	X	X	X	X	X	X	X
CLP AES Zn	X	X	X	X	X	X	X	X
Percent Solids	X	X	X	X	X	X	X	X

Samples will be disposed 30 days from report date (45 for soils). Longer archiving must be requested.
Please contact Crystal Sevy (208-784-1258) if you have questions regarding the receipt of these samples.

Printed: 5/7/2009 05:52 PM

SVL ANALYTICAL
One Government Gulch - PO Box 929 Kellogg ID 83837-0929 (208) 784-1258 Fax (208) 783-0891

Sample Receipt Confirmation

Work Order
W9E0163

Date Due: 21-May-09 (10 day TAT)
Received: 07-May-09 11:15

Client: **US EPA**
Project: **EP-W-08-068**
Project Manager: **Kirby Gray**

	W9E0163-17 ME2QR9 Solid	W9E0163-18 ME2QS0 Solid	W9E0163-19 ME2QS1 Solid	W9E0163-20 ME2QS2 Solid
CLP Hg	X	X	X	X
CLP AES Ag	X	X	X	X
CLP AES Al	X	X	X	X
CLP AES As	X	X	X	X
CLP AES Ba	X	X	X	X
CLP AES Be	X	X	X	X
CLP AES Ca	X	X	X	X
CLP AES Cd	X	X	X	X
CLP AES Co	X	X	X	X
CLP AES Cr	X	X	X	X
CLP AES Cu	X	X	X	X
CLP AES Fe	X	X	X	X
CLP AES K	X	X	X	X
CLP AES Mg	X	X	X	X
CLP AES Mn	X	X	X	X
CLP AES Na	X	X	X	X
CLP AES Ni	X	X	X	X
CLP AES Pb	X	X	X	X
CLP AES Sb	X	X	X	X
CLP AES Se	X	X	X	X
CLP AES Tl	X	X	X	X
CLP AES V	X	X	X	X
CLP AES Zn	X	X	X	X
Percent Solids	X	X	X	X

Samples will be disposed 30 days from report date (45 for soils). Longer archiving must be requested.
Please contact Crystal Sevy (208-784-1258) if you have questions regarding the receipt of these samples.

Printed: 5/7/2009 05:52 PM

421

Kirby Gray

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Thursday, May 21, 2009 12:41
To: Blake Johnson; Crystal Sevy; Kirby Gray
Cc: mjaworsk@idem.in.gov; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab SVL | Issue Return airbill information missing/incomplete | FINAL

-UPDATED RECORD OF COMMUNICATION-

This ROC has been updated to reflect a change in the return address for cooler return.

Kirby,

Summary Start
Issue: A return airbill was not provided with the coolers. The laboratory has asked for a return address and account number to return the coolers.

Resolution: Per Region 5, the laboratory can return the coolers by FedEx Ground using the following information:

IDEM
Office of Land Quality/Site Investigation
100 North Senate Ave.
MC 66-22, IGCN N1101
Indianapolis, IN 46204-2215
Attn: Mark Jaworski
FedEx Account #: 12605334-7
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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05/21/2009 3:30 PM
Phone conversation between Sara Gholam (SMO) and Mark Jaworski (Region 5). Per Region 5, the correct return address for cooler return is:

IDEM
Office of Land Quality/Site Investigation
100 North Senate Ave.
MC 66-22, IGCN N1101
Indianapolis, IN 46204-2215
Attn: Mark Jaworski
FedEx Account #: 12605334-7

From: Gholam, Sara
Sent: Thursday, May 21, 2009 1:40 PM
To: 'mjaworsk@idem.in.gov'
Subject: RE: Region 05 | Case 38525 | Lab SVL | Issue Return airbill information missing/incomplete | FINAL

Hi Mark,

Could you please see SVL's email below regarding a previously resolved issue with the return airbill information. The laboratory indicated that when they attempted to ship the cooler back for Case 38525, the FedEx website shows FedEx Account number 12605334-7 as invalid.

If you wish to have the coolers returned, could you please confirm that this Account number is correct, or please provide another Account number?

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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From: Kirby Gray [mailto:kirbyg@svl.net]
Sent: Thursday, May 21, 2009 1:24 PM
To: Gholam, Sara
Subject: RE: Region 05 | Case 38525 | Lab SVL | Issue Return airbill information missing/incomplete | FINAL

Sara,

When I tried to ship this cooler back the Fed Ex website shows the FedEx Account # 12605334-7 as invalid. Could you please confirm the Account # or provide another?

Thanks,

Kirby Gray
Technical Director
SVL Analytical, Inc.

Ph:(208)784-1258
Fax:(208)783-0891

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From: Gholam, Sara
Sent: Friday, May 15, 2009 1:31 PM
To: Blake Johnson; Crystal Sevy; Kirby Gray
Cc: 'mjaworsk@idem.in.gov'; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab SVL | Issue Return airbill information missing/incomplete | FINAL

Kirby,

This is Colin Walsh. Sara is out of the office today.

Summary Start
Issue: A return airbill was not provided with the coolers. The laboratory has asked for a return address and account number to return the coolers.

Resolution: Per Region 5, the laboratory can return the coolers by FedEx Ground using the following information:

IDEM
Office of Land Quality/Site Investigation
100 North Senate Ave., IGCN-N1101
Indianapolis, IN 46206-6015
Attn: Mark Jaworski
FedEx Account #: 12605334-7
Summary End

Please let me know if you have any questions.

Thanks,

Colin in for

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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5/15/09, 1:05 PM, Phone conversation between Dan Chesterson (IN-DEM) and Colin Walsh (SMO). Dan indicated that the cooler can be returned to IDEM, Office of Land Quality/Site Investigation, 100 North Senate Ave. IGCN-N1101, Indianapolis, IN 46206-6015 using the FedEx Account # 12605334-7. Dan indicated that the

laboratory can use FedEx Ground to return the cooler and they can address it to Mark Jaworski. Colin indicated that he would provide the information to the laboratory.

5/15/09, 9:15 AM, Phone conversation between Mark Jaworski (IN-DEM) and Colin Walsh (SMO). Colin indicated that a return airbill was not included in the shipment sent to SVL for Case 38525. Colin indicated that the laboratory requested a return address and account number to return the coolers. Mark indicated that he would contact someone from his office and have them provide the information to Colin.

From: Gholam, Sara
Sent: Friday, May 15, 2009 8:48 AM
To: 'mjaworsk@idem.in.gov'
Cc: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab SVL | Issue Return airbill information missing/incomplete |

Mark,

This is Colin Walsh. Sara is out of the office today.

SVL is reporting the following issue for Case 38525. Please advise how the laboratory should proceed.

Issue: A return airbill was not provided with the coolers. The laboratory has asked for a return address and account number to return the coolers.

Please let me know if you have any questions.

Thank you,

Colin in for

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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NOTE: Regardless of content, this e-mail shall not operate to bind CSC to any order or other contract unless pursuant to explicit written agreement or government initiative expressly permitting the use of e-mail for such purpose.

From: Kirby Gray [mailto:kirbyg@svl.net]
Sent: Thursday, May 14, 2009 8:01 PM
To: Gholam, Sara
Subject: Region 05 | Case 38525 | Lab SVL | No Cooler Return Airbill |

Sara,

A return airbill was not included with the shipment so we need an address and account number to return the cooler(s).

Thank you,

425

Kirby Gray
Technical Director
SVL Analytical, Inc.
Ph:(208)784-1258
Fax:(208)783-0891

No trees were destroyed in the sending of this message; however, a large number of electrons were terribly inconvenienced. This message and any of the attached documents contain information from SVL Analytical that may be confidential and/or privileged. If you are not the intended recipient, you may not read, copy, distribute, or use this information, and no privilege has been waived by your inadvertent receipt. If you have received this transmission in error, please notify the sender by reply e-mail and then delete this message. Thank you.

ESAT Controlled Number: ESAT5.17.00703-PJ 15July09

DATE: July 15, 2009

Indiana Dept of Environmental Management
ATTN: Mark Jaworski
100 N. Senate Avenue – Room N1255
Indianapolis, IN 46804-2222

RECEIVED
JUL 17 2009
DEPARTMENT OF
ENVIRONMENTAL MANAGEMENT
OFFICE OF LAND QUALITY

SITE NAME: Gary Development Company Inc. (IN)

CASE #	LAB	SAMPLES	SDG	MATRIX
38525	Test America	20	E2QQ1	soil

Upon receipt of data, please check each package for completeness and note any missing deliverables below.

Send this form back to Sylvia Griffin, Data Management Coordinator after filling in the blanks below.

Data Received by:_____ Date:_____

PROBLEMS:

Please indicate if data is complete, and note if there are any deliverables missing from the cases noted above.

_____

_____

Received by Data Management Coordinator, CRL for file.

Signature:_____ Date:_____

FROM: **U.S. EPA - Region 5**
Sylvia Griffin
Central Regional Laboratory
536 S. Clark, 10th Floor
Chicago, IL 60605

Sent By: Pat Joyner
Data Coordinator
ESAT Region 5 **TechLaw**

ESAT5.16.00290
QCH 7-14-09

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
SUPERFUND DIVISION

DATE:

SUBJECT: Review of Data
Received for Review on: May 29, 2009

FROM: Stephen L. Ostrodka, Chief (SRT-5J)
Superfund Field Services Section

TO: Data User: IDEM

We have reviewed the data for the following case:

SITE Name: Gary Development Company, Inc. (IN)

Case Number: 38525 SDG Number: E2QQ1

Number and Type of Samples: 20 Soils (Semivolatiles, Pesticides, Aroclors)

Sample Numbers: E2QQ1 - E2QQ8, E2QR1 - E2QR9, E2QS0 - E2QS2

Laboratory: TestAmerica Burlington Hrs for Review:

Following are our findings:

CC: Howard Pham
Region 5 TPO
Mail Code: SRT-5J

Case Number: 38525
Site Name: Gary Development Company (IN)
SDG Number: E2QQ1
Laboratory: Test America Burlington

Below is a summary of the out-of-control audits and the possible effects on the data for this case:

Twenty (20) soil samples labeled E2QQ1 through E2QQ8, E2QR1 through E2QR9 and E2QS0 through E2QS2 were shipped to TestAmerica Burlington (STLV) located in South Burlington, VT. All samples were collected May 5, 2009 and received May 7, 2009 intact and properly cooled. All samples were analyzed for the Semivolatile, Pesticide and Aroclor lists of compounds.

All samples were analyzed according to CLP SOW SOM01.2 (6/2007) and reviewed according to the NFG for SOM01.2 and the SOP for ESAT 5/TechLaw Validation of Contract Laboratory Program Organic Data (Version 2.3).

No sample was designated by the samplers to be used for laboratory QC, i.e. matrix spike / matrix spike duplicate analyses. The laboratory chose sample E2QQ1 for the low level MS/MSD analyses and sample E2QQ2 for the medium level MS/MSD analyses.

No samples were identified as field blanks or field duplicates.

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

1. HOLDING TIME

The following semivolatile soil samples are outside primary extraction holding time criteria (14 days). Detected compounds are qualified "J". Non-detected compounds are qualified "UJ".

E2QQ3RX

2. GC/MS TUNING AND GC INSTRUMENT PERFORMANCE

No problems were found.

3. CALIBRATION

The following semivolatile samples are associated with a closing CCV percent difference (%D) outside criteria (50%). Detected compounds are qualified "J". Non-detected compounds are qualified "UJ". Some non-detects are qualified "R" because of out-of-criteria relative response factors.

E2QQ1, E2QQ1MS, E2QQ1MSD, E2QQ1RE, E2QQ2, E2QQ2MS, E2QQ2MSD, E2QQ2RE, E2QQ3, E2QQ3RX, E2QQ6, E2QQ6RE, E2QR1, E2QR1RE, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR6, E2QR6DL, E2QR8, E2QR8DL, E2QR9, E2QR9RE, E2QS0, E2QS1, E2QS2, SBLKM4, SBLKO1
Hexachlorocyclopentadiene, 2,4-Dinitrophenol , 4,6-Dinitro-2-methylphenol, Benzo(g,h,i)perylene

E2QQ1MS, E2QQ1MSD, E2QQ1RE, E2QQ2RE, E2QQ3RX, E2QQ6RE, E2QR1RE, E2QR3RE, E2QR4DL, E2QR6DL, E2QR8DL, E2QR9, E2QR9RE, SBLKO1
Di-n-octylphthalate

E2QQ1, E2QQ2, E2QQ2MS, E2QQ2MSD, E2QQ3, E2QQ6, E2QR1, E2QR3, E2QR4, E2QR6, E2QR8, E2QS0, E2QS1, E2QS2, SBLKM4
Indeno (1,2,3-cd)pyrene, Dibenzo(a,h)anthracene

The following semivolatile samples are associated with a CCV with relative response factors (RRF50) outside criteria. The compound was not detected in the samples. Non-detected compounds are qualified "R".

E2QQ1, E2QQ2, E2QQ2MS, E2QQ2MSD, E2QS0, E2QS1, E2QS2, SBLKM4
Hexachlorocyclopentadiene

The following semivolatile samples are associated with a continuing calibration in which a surrogate/DMC exceeded percent difference (%D) criteria. Detected and non-detected compounds are not qualified.

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QQ1, E2QQ1MS, E2QQ1MSD, E2QQ1RE, E2QQ2, E2QQ2MS, E2QQ2MSD, E2QQ2RE, E2QQ3, E2QQ3RX, E2QQ6, E2QQ6RE, E2QR1, E2QR1RE, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR6, E2QR6DL, E2QR8, E2QR8DL, E2QR9, E2QR9RE, E2QS0, E2QS1, E2QS2, SBLKM4, SBLKO1
4,6-Dinitro-2-methylphenol-d2

4. BLANKS

The following semivolatile soil samples have TIC concentrations less than 5X the associated method blank concentration. Detected compounds are qualified "U" and deleted from the TIC reports.

CAS No. 123-42-2, 2-Pentanone, 4-hydroxy-4-met (RT @ 4.31)
E2QQ1, E2QQ1RE, E2QQ3, E2QQ4, E2QQ5, E2QQ6, E2QQ6RE, E2QQ7, E2QR1, E2QR1RE, E2QR2, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR5, E2QR6, E2QR6DL, E2QR7, E2QR8, E2QR8DL, E2QR9, E2QR9RE, E2QS1

CAS No. 141-79-7, 3-Penten-2-one, 4-methyl- (RT @ 3.67)
E2QR5, E2QS1

Unknown @ 9.27
E2QQ3RX, E2QR5, E2QS1

5. DEUTERATED MONITORING COMPOUND AND SURROGATE RECOVERY

The following semivolatile samples have deuterated monitoring compound recovery above the upper limit of the criteria window. The detected compounds are qualified "J".

E2QR6
Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

The following diluted semivolatile samples have deuterated monitoring compound recoveries below the lower limit of the criteria window. Detected and non-detected compounds are not qualified because the dilution factor was greater than or equal to 5.0.

E2QQ1, E2QS2
4,6-Dinitro-2-methylphenol

E2QQ1MSD
Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

E2QQ1MS
Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, bis(2-Ethyl)phthalate, Di-n-octylphthalate

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

The following semivolatile samples have deuterated monitoring compound recovery below the lower limit of the criteria window. Detected compounds are qualified "J". Non-detected compounds are qualified "UJ".

E2QQ2
4,6-Dinitro-2-methylphenol , Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

E2QQ2MS, E2QQ2MSD
Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene

E2QQ3
2,4-Dichlorophenol, Naphthalene, Hexachlorobutadiene, Caprolactam, 4-Chloro-3-methylphenol, 2-Methylnaphthalene, 2,4,6-Trichlorophenol, 2,4,5,-Trichlorophenol, 1,1'-Biphenyl, 2-Chloronaphthalene, 2-Nitroaniline, Dimethylphthalate, Acenaphthylene, 3-Nitroaniline, Acenaphthene, 2,4-Dinitrophenol, 4-Nitrophenol, Dibenzofuran, Diethylphthalate, 4-Nitroaniline, Fluorene, 4-Chlorophenyl-phenylether, 1,2,4,5-Tetrachlorobenzene, 4-Bromophenyl-phenylether, Hexachlorobenzene, Atrazine, Pentachlorophenol, Phenanthrene, Anthracene , Carbazole, Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene, 2,3,4,6,-Tetrachlorophenol

E2QR2
Caprolactam, 1,1'-Biphenyl, Dimethylphthalate, Diethylphthalate, Di-n-butylphthalate, Fluoranthene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, bis(2-Ethylhexyl)phthalate, Di-n-octylphthalate

The following pesticide samples have surrogate recoveries that are greater than 200% on only 1 GC column. Detected and non-detected compounds are not qualified unless the compound recovery is outside criteria on both GC columns.

E2QS2
Decachlorobiphenyl

The following pesticide sample has surrogate recovery below the lower limit (30%) but greater than or equal to the expanded lower limit (10%) of the criteria window on both GC columns. Detected and non-detected compounds are not qualified because the dilution factor of the sample was greater than 5-fold.

E2QS2
Tetrachloro-m-xylene

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

The following aroclor samples have surrogate recoveries less than the primary minimum criteria (30%) but greater than or equal to the expanded minimum criteria (10%). The compounds were not detected in the sample. Non-detected compounds are qualified "UJ".

E2QQ6
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

The following aroclor samples have surrogate percent recoveries which exceed the primary maximum criteria (150%) but are less than or equal to the expanded maximum criteria.(200%) on only 1 GC column. Detected and non-detected compounds are not qualified unless the compound recovery is outside criteria on both GC columns.

E2QQ1, E2QQ1MS, E2QQ1MSD
Tetrachloro-m-xylene

The following Aroclor samples have surrogate recoveries that are greater than 200% on only 1 GC column. Detected and non-detected compounds are not qualified unless the compound recovery is outside criteria on both GC columns.

E2QR6, E2QS0
Tetrachloro-m-xylene

The following aroclor samples have surrogate recoveries less than the primary minimum criteria (30%) but greater than or equal to the expanded minimum criteria (10%) on only 1 GC column. Detected and non-detected compounds are not qualified unless the compound recovery is outside criteria on both GC columns.

E2QQ2
Decachlorobiphenyl

The following undiluted aroclor samples have surrogate percent recoveries less than the expanded minimum criteria (10%). Detected and non-detected compounds are not qualified because the dilution factor of the sample was greater than 5-fold.

E2QS0
Decachlorobiphenyl

E2QS2
Tetrachloro-m-xylene, Decachlorobiphenyl

Case Number: 38525
Site Name: Gary Development Company (IN)
SDG Number: E2QQ1
Laboratory: Test America Burlington

6A. MATRIX SPIKE/MATRIX SPIKE DUPLICATE

No sample was designated by the samplers to be used for laboratory QC, i.e. matrix spike / matrix spike duplicate analyses. The laboratory chose sample E2QQ1 for the low level MS/MSD analyses and sample E2QQ2 for the medium level MS/MSD analyses.

The relative percent difference (RPD) between the following semivolatile matrix spike and matrix spike duplicate recoveries is outside criteria. Detected Acenaphthene and Pyrene in the unspiked sample, E2QQ1 and E2QQ1RE, are qualified "J". Non-detected Phenol and 4-Nitrophenol in the unspiked sample, E2QQ1 and E2QQ1RE, are qualified "UJ".

E2QQ1MS, E2QQ1MSD
Phenol, Acenaphthene, 4-Nitrophenol, Pyrene

The following semivolatile matrix spike/matrix spike duplicate samples have percent recoveries that are less than the expanded lower acceptance limit. Detected Pyrene in the unspiked sample, E2QQ1 and E2QQ1RE, is qualified "J". Non-detected Phenol, N-Nitroso-di-n-propylamine and 2,4-Dinitrotoluene in the unspiked sample, E2QQ1 and E2QQ1RE, are qualified "UJ".

E2QQ1MS
Phenol, N-Nitroso-di-n-propylamine, 2,4-Dinitrotoluene, Pyrene

E2QQ1MSD
N-Nitroso-di-n-propylamine, Pyrene

The pesticide Form III – MS/MSD Summary was re-calculated using the lowest obtained value for each compound. The RPDs were re-calculated using these values.

	MS % Rec	MSD % Rec	RPD	RPD QC	REC QC
Gamma-BHC	47	28*	51*	0-50	46-127
Heptachlor epoxide	108	47	79*	0-31	35-130
Aldrin	-17*	-23*	30	0-43	34-132
Dieldrin	56	53	5.5	0-38	31-134
Endrin	51	52	2	0-45	42-139
4,4'-DDT	49	37	28	0-50	23-134

The relative percent difference (RPD) between the following pesticide matrix spike and matrix spike duplicate recoveries is outside criteria. Detected Gamma-BHC (Lindane) in the unspiked sample, E2QQ1, is qualified "J". Non-detected Heptachlor epoxide in the unspiked sample, E2QQ1, is qualified "UJ".

E2QQ1MS, E2QQ1MSD
Gamma-BHC (Lindane), Heptachlor epoxide

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

8. INTERNAL STANDARDS

The following semivolatile samples have internal standard area counts that are outside the lower limit of primary criteria but greater than the expanded lower limit (20% of the 12-Hr Std). Detected compounds are qualified "J". Non-detected compounds are qualified "UJ".

E2QR6
Pyrene, Butylbenzylphthalate, 3,3'-Dichlorobenzidine, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate

E2QQ1, E2QQ1MS, E2QQ1RE, E2QQ2, E2QQ2RE, E2QR1RE, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR8, E2QR9,
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

The following semivolatile samples have internal standard area counts that are outside the expanded lower limit of primary criteria. Detected compounds are qualified "J". Non-detected compounds are qualified "R".

E2QR6, E2QR6DL, E2QR9RE
Di-n-octylphthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

9. COMPOUND IDENTIFICATION

After reviewing the mass spectra and chromatograms it appears that all SV, Pesticide and Aroclor compounds were properly identified.

10. COMPOUND QUANTITATION AND REPORTED DETECTION LIMITS

Percent moisture content of the following semivolatile samples exceeds primary criteria (70%). Detected compounds are qualified "J" Non-detected compounds are qualified "UJ".

E2QQ2, E2QQ2MS, E2QQ2MSD, E2QQ2RE, E2QQ3, E2QQ3RX, E2QQ7, E2QQ8, E2QR4, E2QR4DL

The following semivolatile samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J". Non-detected compounds are not qualified.

E2QQ1
Acenaphthylene, Acenaphthene, Phenanthrene, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

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SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QQ1MS
Phenol, 2-Chlorophenol, N-Nitroso-di-n-propylamine, 4-Chloro-3-methylphenol, Acenaphthene, 4-Nitrophenol, 2,4-Dinitrotoluene, Pentachlorophenol, Fluoranthene, Pyrene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E2QQ1MSD
Phenol, 2-Chlorophenol, N-Nitroso-di-n-propylamine, 4-Chloro-3-methylphenol, Acenaphthene, 4-Nitrophenol, 2,4-Dinitrotoluene, Pentachlorophenol, Phenanthrene, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E2QQ1RE
Acenaphthylene, Phenanthrene, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QQ2
Acenaphthene, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E2QQ2MS
Dibenzofuran, Fluorene, Fluoranthene, Chrysene

E2QQ2MSD
Fluorene, Phenanthrene, Fluoranthene, Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E2QQ2RE
Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E2QQ3
Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QQ3RX
Benzaldehyde, Naphthalene, 2-Methylnaphthalene, Phenanthrene, Anthracene, Carbazole, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

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Laboratory: Test America Burlington

E2QQ4
Benzaldehyde, Naphthalene, 2-Methylnaphthalene, Phenanthrene, Anthracene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QQ5
Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QQ6
4-Methylphenol, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Phenanthrene, Anthracene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

E2QQ6RE
2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Phenanthrene, Anthracene, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

E2QQ7
Naphthalene, Phenanthrene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QQ8
Fluoranthene, Bis(2-ethylhexyl)phthalate

E2QR1
Acetophenone, Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QR1RE
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Anthracene, Carbazole, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QR2
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Phenenthrene, Anthracene, Benzo(a)anthracene, Bis(2-ethylhexyl)phthalate, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

Case Number: 38525
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SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QR3
4-Methylphenol, Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Anthracene, Dibenzo(a,h)anthracene

E2QR3RE
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Anthracene, Dibenzo(a,h)anthracene

E2QR4
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Dibenzo(a,h)anthracene

E2QR4DL
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Dibenzo(a,h)anthracene

E2QR5
Phenanthrene, Anthracene, Fluoranthene, Pyrene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QR6
4-Methylphenol, Naphthalene, 2-Methylnaphthalene, 1,1'-Biphenyl, Dibenzofuran, Anthracene, Dibenzo(a,h)anthracene

E2QR6DL
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QR7
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Fluorene, Carbazole, Di-n-butylphthalate, Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QR8
4-Methylphenol, Naphthalene, 2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QR8DL
2-Methylnaphthalene, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Carbazole, Di-n-butylphthalate, Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

Case Number: 38525
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SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QR9
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QR9RE
Naphthalene, 4-Chloroaniline, 2-Methylnaphthalene, 1,1'-Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, Carbazole, Bis(2-ethylhexyl)phthalate, Dibenzo(a,h)anthracene

E2QS0
Acenaphthene, Fluorene, Fluoranthene, Pyrene, Chrysene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene

E2QS1
Naphthalene, 2-Methylnaphthalene, Dibenzofuran, Fluorene, Phenanthrene, Anthracene, Butylbenzylphthalate, Benzo(a)anthracene, Chrysene, Bis(2-ethylhexyl)phthalate, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(a)pyrene, Indeno(1,2,3-cd)pyrene, Benzo(g,h,i)perylene

E2QS2
Dibenzofuran, Indeno(1,2,3-cd)pyrene, Dibenzo(a,h)anthracene, Benzo(g,h,i)perylene

SBLKO1
Bis(2-ethylhexyl)phthalate

A library search indicates a match at or above 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified "NJ".

CAS No. 50-32-8, Benzo[a]pyrene; CAS No. 83-47-6, .gamma.-Sitosterol;
CAS No. 563-79-1, 2-Butene, 2,3-dimethyl-; CAS No. 57866-08-7, Tetracosanal;
CAS No. 67860-04-2, Oxirane, heptadecyl-;
CAS No. 1000309-38-3, Oxalic acid, isobutyl octade
E2QQ5

CAS No. 57-10-3, n-Hexadecanoic acid
E2QQ4, E2QQ5, E2QQ7, E2QR1, E2QR1RE, E2QR2, E2QR3, E2QR3RE, E2QS1

CAS No. 79-09-4, Propanoic acid; CAS No. 79-31-2, Propanoic acid, 2-methyl-;
CAS No. 109-52-4, Pentanoic acid; CAS No. 116-53-0, Butanoic acid, 2-methyl-;
CAS No. 503-74-2, Butanoic acid, 3-methyl-;
CAS No. 7320-37-8, Oxirane, tetradecyl-; CAS No. 7390-81-0, Oxirane, hexadecyl-;
CAS No. 41702-60-7, 1,7-Octadien-3-one, 2-methyl;
CAS No. 1000130-97-9, E-15-Heptadecenal;
CAS No. 1000214-20-7, Stigmasterol, 22,23-dihydro-;

CAS No. 1000252-39-4, 17,20-Isocholest-5-en-3.beta
E2QQ4

CAS No. 80-97-7, Cholestanol; CAS No. 625-27-4, 2-Pentene, 2-methyl-;
CAS No. 4461-48-7, 2-Pentene, 4-methyl-; CAS No. 6538-02-9, Ergostanol;
CAS No. 7494-34-0, 26-Nor-5-cholesten-3.beta.-o;
CAS No. 18633-25-5, Oxirane, tridecyl-
E2QQ3

CAS No. 82-05-3, 7H-Benz[de]anthracen-7-one @ 15.91
E2QR8, E2QS2

CAS No. 83-46-5, .beta.-Sitosterol @ 20.32
E2QQ3, E2QQ3RX, E2QQ7, E2QQ8, E2QR1, E2QR1RE, E2QR2, E2QR5

CAS No. 83-48-7, Stigmasterol @ 19.94
E2QQ3, E2QQ4

CAS No. 84-78-6, 1,2-Benzenedicarboxylic acid;
CAS No. 610-48-0, Anthracene, 1-methyl-;
CAS No. 949-41-7, 1H-Cyclopropa[1]phenanthrene;
CAS No. 1606-67-3, 3-Aminopyrene
E2QR8DL

CAS No. 103-23-1, Hexanedioic acid, bis(2-ethyl; CAS No. 112-88-9, 1-Octadecene
CAS No. 747-90-0, Cholesta-3,5-diene
E2QR5

CAS No. 107-92-6, Butanoic acid @ 3.48
E2QQ3, E2QQ4, E2QR6, E2QR6DL, E2QS1

CAS No. 112-92-5, 1-Octadecanol; CAS No. 506-52-5, 1-Hexacosanol;
CAS No. 1724-39-6, Cyclododecanol; CAS No. 2345-28-0, 2-Pentadecanone;
CAS No. 2416-20-8, Hexadecenoic acid, Z-11;
CAS No. 36237-66-8, 6,10,14-Hexadecatrien-1-ol,;
CAS No. 1000309-12-4, Sulfurous acid, 2-propyl tri
E2QQ7

CAS No. 123-42-2, 2-Pentanone, 4-hydroxy-4-met @ 4.31
E2QQ3RX, E2QQ8, SBLKL8, SBLKO1

CAS No. 141-79-7, 3-Penten-2-one, 4-methyl- @ 3.60
E2QQ3RX, SBLKL8

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CAS No. 192-97-2, Benzo[e]pyrene @ 17.93 (1)
E2QR8, E2QR8DL, E2QS2

CAS No. 192-97-2, Benzo[e]pyrene @ 18.08 (2)
E2QR1, E2QR1RE, E2QR2, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR7, E2QR8, E2QS2

CAS No. 193-43-1, Indeno[1,2,3-cd]fluoranthene;
CAS No. 203-12-3, Benzo[ghi]fluoranthene; CAS No. 612-78-2, 2,2'-Binaphthalene;
CAS No. 1705-84-6, Triphenylene, 2-methyl- @ 16.84 (1)
CAS No. 1705-84-6, Triphenylene, 2-methyl- @ 16.89 (2)
CAS No. 33543-31-6, Fluoranthene, 2-methyl-; CAS No. 36441-74-4, Baccharane
E2QR7

CAS No. 195-19-7, Benzo[c]phenanthrene @ 16.01
E2QR3RE, E2QR7, E2QR8DL, E2QS2

CAS No. 198-55-0, Perylene @ 18.25
E2QR1, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR7, E2QR8, E2QR8DL, E2QS2

CAS No. 203-64-5, 4H-Cyclopenta[def]phenanthre @ 13.68
E2QQ6, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR6, E2QR7, E2QR8DL, E2QS2

CAS No. 205-12-9, 7H-Benzo[c]fluorine;
CAS No. 1138-52-9, Phenol, 3,5-bis(1,1-dimethyl;
CAS No. 51640-60-9, Carbazole, 1,5-dimethyl-
E2QR3RE

CAS No. 205-82-3, Benzo[j]fluoranthene;
CAS No. 239-01-0, 11H-Benzo[a]carbazole;
CAS No. 479-79-8, 11H-Benzo[a]fluoren-11-one @ 15.83 (1);
CAS No. 479-79-8, 11H-Benzo[a]fluoren-11-one @ 16.10 (2);
CAS No. 25732-74-5, Cyclopenta(cd)pyrene, 3,4-di
E2QR7, E2QR8DL

CAS No. 238-84-6, 11H-Benzo[a]fluorene @ 15.24
E2QR3, E2QR4DL, E2QR7

CAS No. 239-35-0, Benzo[b]naphtho[2,1-d]thioph @ 16.08
E2QR4, E2QR4DL, E2QR7, E2QR8, E2QR8DL

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CAS No. 243-17-4, 11H-Benzo[b]fluorene @ 15.02 (1)
E2QQ3RX, E2QQ6, E2QR1RE, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR8, E2QR8DL, E2QS2

CAS No. 243-17-4, 11H-Benzo[b]fluorene @ 15.16 (2)
E2QR4, E2QR8, E2QS2

CAS No. 243-17-4, 11H-Benzo[b]fluorene @ 15.24 (3);
CAS No. 886-66-8, Benzene, 1,1'-(1,3-butadiyne; CAS No. 1241-94-7, Octicizer
E2QS2

CAS No. 243-46-9, Benzo[b]naphtho[2,3-d]thioph @ 16.05
E2QQ6, E2QR1RE, E2QR3, E2QR3RE, E2QS2

CAS No. 243-51-6, 11H-Indeno(1,2-b)quinoline;
CAS No. 613-12-7, Anthracene, 2-methyl; CAS No. 3351-32-4, Chrysene, 2-methyl
E2QR8

CAS No. 474-62-4, Campesterol @ 19.75
E2QQ3, E2QQ3RX, E2QQ4, E2QQ7, E2QQ8, E2QS1

CAS No. 481-20-9, Coprostane @ 16.99
E2QQ2RE, E2QR9RE, E2QS0

CAS No. 481-21-0, Cholestane @ 16.99 (1)
E2QQ1RE, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR9, E2QS0

CAS No. 481-21-0, Cholestane @ 17.24 (2)
E2QR3

CAS No. 481-26-5, Pregnane @ 15.18
E2QQ2, E2QR6DL

CAS No. 506-30-9, Eicosanoic acid;
CAS No. 35298-14-4, 1,1'-Biphenyl, 2,3,3',4,4'-p
E2QR1

CAS No. 558-37-2, 1-Butene, 3,3-dimethyl-; CAS No. 629-73-2, 1-Hexadecene;
CAS No. 1617-70-5, Lup-20(29)-en-3-one;
CAS No. 1686-88-4, Phenanthrene, 7-ethenyl-1,2,;
CAS No. 2541-75-5, 8-Heptadecanol; CAS No. 2922-51-2, 2-Heptadecanone;
CAS No. 17600-99-6, 2-Nonocosanone;
CAS No. 20834-06-4, Dodecanoic acid, hexadecyl e;
CAS No. 55331-88-9, Stigmastan-7-one; CAS No. 75207-54-4, 2-Pentacosanone
E2QQ8

CAS No. 601-53-6, Cholestan-3-one, (5.beta.)-;
CAS No. 781-43-1, 9,10-Dimethylanthracene;
CAS No. 7372-88-5, Dibenzothiophene, 4-methyl-;
CAS No. 14237-73-1, 2-Hexadecene, 3,7,11,15-tetr;
CAS No. 1000132-20-9, 1-Penten-3-one, 4-methyl-1-[;
CAS No. 1000256-99-5, 5(10H)-Pyrido[3,4-b]quinolon
E2QQ2

CAS No. 601-58-1, Stigmastane @ 17.86 (1)
E2QQ1, E2QQ1RE, E2QQ2RE, E2QQ3RX, E2QQ4, E2QQ5, E2QQ6, E2QQ6RE, E2QR1RE, E2QR2, E2QR3RE, E2QR4, E2QR4DL, E2QR6, E2QR6DL, E2QR8, E2QR9, E2QS0

CAS No. 601-58-1, Stigmastane @ 18.51 (2)
E2QQ1, E2QQ1RE, E2QQ2, E2QQ2RE, E2QQ4, E2QQ6, E2QQ7, E2QR1, E2QR1RE, E2QR2, E2QR3, E2QR3RE, E2QR4, E2QR4DL, E2QR6DL, E2QR7

CAS No. 601-58-1, Stigmastane @ 18.32 (3)
E2QR1RE, E2QR2, E2QR9, E2QR9RE, E2QS1

CAS No. 601-58-1, Stigmastane @ 18.72 (4)
E2QR2, E2QR8

CAS No. 612-94-2, Naphthalene, 2-phenyl- @ 13.91
E2QQ6, E2QQ6RE, E2QR7, E2QS2

CAS No. 629-66-3, 2-Nonadecanone; CAS No. 53057-53-7, 1,21-Docosadiene;
CAS No. 1000144-57-9, 16-Heptadecenal;
CAS No. 1000164-49-7, Bacteriochlorophyll-c-steary
E2QQ3RX

CAS No. 638-66-4, Octadecanal @ 15.80
E2QQ3RX, E2QQ4, E2QQ5

CAS No. 641-85-0, Allopregnane @ 14.73 (1)
E2QQ1RE, E2QQ2RE, E2QR4DL, E2QR9

CAS No. 641-85-0, Allopregnane @ 15.13 (2)
E2QR9, E2QR9RE, E2QS0

CAS No. 1058-61-3, Stigmast-4-en-3-one @ 21.35
E2QQ3, E2QQ3RX, E2QQ4, E2QQ7, E2QQ8, E2QR1, E2QR1RE, E2QR2

CAS No. 1207-15-4, 2,8-Dimethyldibenzo(b,d)thio @ 13.74
E2QQ2RE, E2QQ6RE

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CAS No. 1599-67-3, 1-Docosene @ 16.13
E2QQ4, E2QQ7

CAS No. 1615-91-4, A'-Neogammacer-22(29)-ene @ 20.46
E2QQ3, E2QQ3RX, E2QQ7, E2QQ8

CAS No. 2091-29-4, 9-Hexadecenoic acid @ 13.45
E2QS1

CAS No. 2156-97-0, Dodecyl acrylate @ 11.99
E2QQ2, E2QQ2RE, SBLKM4

CAS No. 2381-21-7, Pyrene, 1-methyl- @ 15.15
E2QQ5, E2QQ6RE, E2QR3RE, E2QR8, E2QR8DL

CAS No. 2437-79-8, 1,1'-Biphenyl, 2,2',4,4'-tet @ 13.60 @ 13.60 (1)
E2QR1RE, E2QR2

CAS No. 2437-79-8, 1,1'-Biphenyl, 2,2',4,4'-tet; @ 13.85 (2)
CAS No. 56558-16-8, 1,1'-Biphenyl, 2,2'4,6,6'-P;
CAS No. 68194-11-6, 1,1'-Biphenyl, 2,3,4'5,6-Pe;
CAS No. 1000195-40-9, 2,4,5,5,8a-Pentamethyl-6,7,8;
CAS No. 1000263-05-4, Benzoic acid, 4-fluoro-, 2-I;
CAS No. 1000299-46-0, 3-Methyl-1-triisobutylsilylo
E2QR1RE

CAS No. 2498-77-3, Benz[a]anthracene, 1-methyl-;
CAS No. 3075-84-1, 1,1'-Biphenyl, 2,2',5,5'-tet @ 12.29 (2);
CAS No. 10276-14-9, Benzene, [(3-phenyl-2-propen; CAS No. 82657-04-3, Talstar;
CAS No. 97825-91-7, 9-Anthracenamine, 9,10-dihyd
E2QQ6

CAS No. 2531-84-2, Phenanthrene, 2-methyl- @ 13.64
E2QQ2, E2QQ6RE

CAS No. 2541-69-7, Benz[a]anthracene, 7-methyl- @ 16.82
E2QQ6RE, E2QR3RE, E2QR7, E2QR8, E2QS2

CAS No. 3075-84-1, 1,1'-Biphenyl, 2,2',5,5'-tet @ 12.13 (1)
E2QQ6, E2QR4DL

CAS No. 3353-12-6, Pyrene, 4-methyl- @ 15.52
E2QR4, E2QR7

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CAS No. 3404-72-6, 1-Pentene, 2,3-dimethyl- @ 3.62
E2QQ7, E2QQ8

CAS No. 3404-73-7, 1-Pentene, 3,3-dimethyl- @ 3.62
E2QQ4, E2QQ5

CAS No. 3442-78-2, Pyrene, 2-methyl- @ 15.22
E2QR1, E2QR2, E2QR3RE

CAS No. 3674-66-6, Phenanthrene, 2,5-dimethyl- @ 14.28
E2QQ6, E2QR8

CAS No. 3674-69-9, Phenanthrene, 4,5-dimethyl- @ 14.17
E2QQ2RE, E2QQ6, E2QQ6RE

CAS No. 3674-73-5, Phenanthrene, 2,3,5-trimethyl @ 14.79 (1)
E2QQ2RE, E2QQ6, E2QQ6RE, E2QR3, E2QR6DL, E2QS0

CAS No. 3674-73-5, Phenanthrene, 2,3,5-trimethyl @ 15.21 (2)
E2QQ6RE, E2QR6

CAS No. 3674-74-6, Phenanthrene, 2-ethyl-;
CAS No. 1000311-42-7, 9-Hydroxy-3,4-dihydro-2H-1,4
E2QR6DL

CAS No. 4218-48-8, Benzene, 1-ethyl-4-(1-methyl @ 11.93
E2QS1

CAS No. 4309-66-4, Stilbene, 4-amino- (E)- @ 15.71 (1);
CAS No. 52251-71-5, Anthracene, 2-ethyl-;
CAS No. 74421-26-4, Benzeneethanol, .beta.-methy
E2QQ6RE

CAS No. 4309-66-4, Stilbene, 4-amino- (E)- @ 15.80 (2);
CAS No. 7614-93-9, Benzene, 1,1'-(3-methyl-1-pr
E2QQ6, E2QQ6RE

CAS No. 4534-50-3, Benzene, (1-butylnonyl)-;
CAS No. 10544-50-0, Cyclic octaatomic sulfur;
CAS No. 55134-07-1, Benzene, (1,1,4,6,6-pentamet;
CAS No. 102037-88-7, 3-Methyl-2-(3,7,11-trimethyl
E2QS1

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

CAS No. 6566-19-4, 10,18-Bisnorabieta-5,7,9,(10) @ 14.52
E2QQ1, E2QQ1RE, E2QQ2, E2QQ2RE, E2QQ5, E2QR4DL, E2QR6, E2QR6DL, E2QR9, E2QR9RE, E2QS0

CAS No. 6567-09-5, 1,2,3,4-Tetrahydrobenzo[a]fl;
CAS No. 15968-05-5, 1,1'-Biphenyl, 2,2',6,6'-tet;
CAS No. 41464-49-7, 1,1'-Biphenyl, 2,3,3',5'-tet;
CAS No. 52663-59-9, 1,1'-Biphenyl, 2,2',3,4-tetr;
CAS No. 56558-18-0, 1,1'-Biphenyl, 2,3',4,5',6-P
E2QR9

CAS No. 6765-39-5, 1-Heptadecene;
CAS No. 55255-58-8, Naphthalene, 1,2,3,4-tetrahy;
CAS No. 1000158-61-2, Tricyclo[5.2.1.0(2,6)]dec-8-
E2QR2

CAS No. 7683-64-9, Squalene @ 17.53
E2QQ3RX, E2QQ4, E2QR1, E2QR1RE, E2QR5, E2QS1

CAS No. 15600-08-5, Cholestan-3-one;
CAS No. 24964-07-6, Benzo[b]naphtho[2,3-d]thioph;
CAS No. 107426-38-0, Naphtho[2,3-b]norbornadiene;
CAS No. 1000210-43-4, Cholestan-2-one
E2QQ2RE

CAS No. 16587-34-1, Naphtho[2,3-b]thiophene, 4,9 @ 13.79 (1)
E2QQ2, E2QS0

CAS No. 16587-34-1, Naphtho[2,3-b]thiophene, 4,9 @ 14.06 (2)
E2QQ2, E2QQ2RE, E2QS0

CAS No. 18259-05-7, 1,1'-Biphenyl, 2,3,4,5,6-pen;
CAS No. 41464-46-4, 1,1'-Biphenyl, 2,3',4',6-tet
E2QR4DL

CAS No. 19466-47-8, Stigmastenol @ 20.40
E2QQ3, E2QQ4, E2QQ8

CAS No. 22511-92-8, Androstane, (5.alpha.,14.bet;
CAS No. 35575-54-3, D,D-Dihomoandrostane, (5.alp @ 15.18 (2)
E2QQ1

CAS No. 24887-75-0, Androstane;
CAS No. 74810-41-6, Cyclohexane, (2-ethyl-1-meth
E2QQ1RE

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

CAS No. 26137-53-1, Naphthalene, 1,2,3-trimethyl @ 12.01
E2QQ6RE, E2QR3, E2QR3RE

CAS No. 27208-37-3, Cyclopenta[cd]pyrene @ 16.14
E2QR3, E2QR4, E2QS2

CAS No. 31508-00-6, 1,1'-Biphenyl, 2,3',4,4',5-p
CAS No. 32598-12-2, 1,1'-Biphenyl, 2,4,4',6-tetr;
CAS No. 37680-65-2, 1,1'-Biphenyl, 2,2',5-trichl
E2QR4

CAS No. 33025-41-1, 1,1'-Biphenyl, 2,3,4,4'-tetr;
CAS No. 55702-46-0, 1,1'-Biphenyl, 2,3,4-trichlo;
CAS No. 59130-69-7, Hexanoic acid, 2-ethyl-, hex
E2QR6

CAS No. 35575-54-3, D,D-Dihomoandrostane, (5.alp @ 14.78 (1)
E2QQ1, E2QQ1RE, E2QR3

CAS No. 35693-92-6, 1,1'-Biphenyl, 2,4,6-trichlo @ 13.23
E2QR9RE

CAS No. 36728-72-0, 28-Nor-17.beta.(H)-hopane @ 18.89
E2QQ1, E2QQ2RE, E2QQ5, E2QR1RE, E2QR2, E2QR4, E2QR6DL, E2QR7, E2QR8, E2QR8DL, E2QR9RE, E2QS0, E2QS1

CAS No. 37436-37-6, 1,3-Diamino-5,6-dihydro-7-me;
CAS No. 43080-23-5, 2-Propenoic acid, pentadecyl;
CAS No. 70301-47-2, Chloroacetic acid, pentadecy;
CAS No. 97306-62-2, 2,5,5,8a-Tetramethyl-6,7,8,8
E2QS0

CAS No. 41464-40-8, 1,1-Biphenyl, 2,2',4,5'-tet @ 13.61
E2QR3RE, E2QR4DL

CAS No. 41464-41-9, 1,1'-Biphenyl, 2,2',5,6-tetr @ 13.95
E2QR1, E2QR2, E2QR3RE, E2QR4DL

CAS No. 41464-42-0, 1,1'-Biphenyl, 2,3',5,5'-tet @ 13.72
E2QR1, E2QR9RE

CAS No. 53584-60-4, 28-Nor-17.alpha. (H)-hopane @ 18.93
E2QQ3, E2QR3, E2QR5

CAS No. 55255-70-4, Anthracene, 9-cyclohexyltetr @ 18.21
E2QQ3RX, E2QR8DL, E2QS1

CAS No. 55401-75-7, Anthracene, 9-dodecyltetrade @ 18.97
E2QR1, E2QR9

CAS No. 74472-35-8, 1,1'-Biphenyl, 2,3,3',4,6-Pe @ 14.99
E2QR2, E2QR4, E2QR9RE

CAS No. 74630-83-4, 1-Propene-2-thiol, 1,1-diphe @ 14.55
E2QQ2RE, E2QR6DL

CAS No. 75581-03-2, 2,6,10,14,18-Pentamethyl-2,6 @ 17.52
E2QQ5, E2QR7

CAS No. 87953-47-7, 15-Isobutyl-(13.alpha.H)-iso @ 15.80 (1)
E2QQ1, E2QQ1RE, E2QQ2RE, E2QR3, E2QR3RE, E2QR4, E2QR6, E2QR6DL

CAS No. 87953-47-7, 15-Isobutyl-(13.alpha.H)-iso @ 15.62 (2)
E2QR4, E2QR4DL, E2QR9

CAS No. 1000197-08-4, 1-Cyclohexene, 1,3,3-trimeth @ 19.24
E2QQ2RE, E2QR3RE

CAS No. 1000222-86-6, Oxime-, methoxy-phenyl- @ 5.08
E2QR1, E2QR1RE, E2QS1

CAS No. 1000285-40-2, .beta.-iso-Methyl ionone @ 15.49 (1)
E2QQ1RE, E2QR1, E2QR2, E2QR3, E2QR4, E2QR6

CAS No. 1000285-40-2, .beta.-iso-Methyl ionone @ 18.28 (2)
E2QR2, E2QS1

CAS No. 1000293-16-6, 18-Norabietane @ 13.85
E2QQ5, E2QQ7, E2QQ8, E2QR6, E2QR6DL, E2QR9, E2QR9RE

CAS No. 1000309-12-7, Sulfurous acid, octadecyl 2- @ 16.18
E2QQ3, E2QS1

A library search indicates a match below 85% for a TIC compound in the semivolatile sample. Detected compounds are qualified "J".

Unknown @ 9.27
SBLKL8, SBLKM4, SBLKO1

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown @ 10.98; Unknown PAH @ 19.92
E2QQ3RX

Unknown @ 11.09
E2QQ3, E2QQ4, E2QQ7, E2QS1

Unknown benzene derivative @ 11.76; Unknown benzene derivative @ 11.78
Unknown @ 11.87; Unknown benzene derivative @ 11.99
E2QS1

Unknown @ 12.03
E2QQ6, E2QQ6RE, E2QR4

Unknown aromatic compound @ 12.18; Unknown polycyclic hydrocarb @ 18.81
E2QQ6RE

Unknown aliphatic compound @ 12.60
E2QQ1RE, E2QQ6RE, E2QR6

Unknown @ 12.65
E2QQ6, E2QR6, E2QR8

Unknown aliphatic compound @ 12.95
E2QQ2RE, E2QR6

Unknown @ 12.94
E2QQ6RE, E2QS1

Unknown @ 13.03
E2QQ6RE, E2QR4

Unknown @ 13.21
E2QQ6

Unknown @ 13.30
E2QQ6, E2QR6

Unknown @ 13.44
E2QQ6RE, E2QR3RE, E2QR4DL, E2QR6DL, E2QR9, E2QR9RE, E2QS0

Unknown aliphatic compound @ 13.43
E2QQ1RE, E2QQ2RE, E2QQ8

Unknown @ 13.50
E2QQ2, E2QQ5, E2QQ6, E2QR3, E2QR4, E2QR6, E2QR9RE

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown polyterpene derivati @ 13.50; Unknown polyterpene derivati @ 16.07
E2QQ1

Unknown @ 13.78
E2QQ5, E2QR3RE, E2QR4DL, E2QR6, E2QR6DL, E2QR9

Unknown aliphatic compound @ 13.81
E2QQ1RE, E2QR9RE

Unknown aliphatic compound @ 13.96; Unknown aliphatic compound @ 14.30; Unknown aliphatic compound @ 14.42
E2QQ1RE

Unknown @ 13.96
E2QQ1, E2QQ2RE, E2QR3, E2QR4, E2QR4DL, E2QR6DL, E2QR9RE, E2QS0

Unknown aliphatic compound @ 14.18
E2QQ1RE, E2QQ7

Unknown @ 14.24
E2QQ1, E2QQ5, E2QR4, E2QR4DL, E2QR6, E2QR9RE, E2QS0

Unknown @ 14.37
E2QQ1, E2QQ6RE, E2QR3, E2QR3RE, E2QR6, E2QR6DL, E2QR9RE

Unknown PAH @ 14.67; Unknown @ 19.00
E2QR8

Unknown @ 14.73
E2QR9RE, E2QS0, E2QS2

Unknown aliphatic compound @ 14.89
E2QQ2, E2QS0

Unknown aliphatic compound @ 15.21
E2QQ1RE, E2QR2, E2QR3

Unknown @ 15.26
E2QQ1, E2QQ2, E2QQ2RE, E2QR3RE, E2QR9, E2QR9RE, E2QS0

Unknown @ 15.46
E2QQ1, E2QR9, E2QR9RE

Unknown polycyclic hydrocarb @ 15.49
E2QQ2RE, E2QR3, E2QR4DL, E2QR6DL, E2QR9RE, E2QS0

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown polyterpene derivati @ 15.55
E2QQ2, E2QR6, E2QR9

Unknown @ 15.55
E2QQ1, E2QQ1RE, E2QR6DL, E2QS2

Unknown @ 15.61
E2QQ1, E2QQ1RE, E2QR1RE, E2QR9, E2QR9RE

Unknown aliphatic compound @ 15.62
E2QQ2RE

Unknown polyterpene derivati @ 15.72; Unknown polyterpene derivati @ 17.05
E2QQ1, E2QR6

Unknown polycyclic hydrocarbon @ 15.75
E2QR9RE

Unknown @ 15.76
E2QQ1RE, E2QQ2, E2QR3, E2QR6, E2QR6DL

Unknown @ 15.82
E2QQ1, E2QR6DL

Unknown aliphatic aldehyde @ 15.90; Unknown @ 20.88; Unknown @ 22.68
E2QQ3

Unknown @ 15.96
E2QQ1, E2QQ2RE, E2QQ6RE, E2QR6DL, E2QR9, E2QS0

Unknown aliphatic compound @ 16.00
E2QQ6RE, E2QS0

Unknown @ 16.03
E2QQ1, E2QQ2, E2QQ6, E2QR1, E2QR3RE, E2QR4DL, E2QR6DL, E2QR9, E2QR9RE

Unknown polyterpene derivati @ 16.31
E2QQ2, E2QR6

Unknown @ 16.42
E2QQ6RE, E2QR6, E2QR6DL, E2QS0, E2QS2

Unknown benzene derivati @ 16.44
E2QQ2, E2QQ2RE

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown @ 16.51
E2QQ6, E2QR3RE, E2QR4DL

Unknown aliphatic compound @ 16.66
E2QR8DL

Unknown @ 16.68
E2QQ1, E2QQ6RE, E2QR1RE, E2QR3, E2QR3RE, E2QR4DL, E2QR7, E2QR8, E2QR8DL, E2QS0

Unknown polyterpene derivati @ 16.75
E2QQ2, E2QR4, E2QR9RE

Unknown polycyclic hydrocarb @ 16.75
E2QQ1, E2QQ2RE, E2QR6DL

Unknown @ 16.87
E2QQ6, E2QR1RE, E2QR3, E2QR8

Unknown aliphatic compound @ 16.96
E2QQ3RX, E2QQ8

Unknown PAH @ 16.98; Unknown PAH @ 17.05; Unknown PAH @ 17.12
Unknown PAH @ 18.40; Unknown PAH @ 18.71
E2QS2

Unknown polycyclic hydrocarb @ 17.05
E2QR6DL

Unknown @ 17.09
E2QQ1, E2QQ1RE, E2QQ2, E2QQ2RE, E2QQ4, E2QQ5, E2QQ6, E2QQ6RE, E2QQ7, E2QR1, E2QR2, E2QR3RE, E2QR8, E2QR9, E2QR9RE, E2QS0

Unknown @ 17.11
E2QQ7, E2QR1, E2QR1RE, E2QR2, E2QR3, E2QR6DL, E2QR9, E2QR9RE

Unknown aliphatic compound @ 17.25; Unknown aliphatic compound @ 17.39
Unknown alcohol @ 17.63; Unknown alcohol @ 17.77;
Unknown aliphatic compound @ 18.89
E2QQ8

Unknown polyterpene derivati @ 17.35
E2QQ1RE, E2QR4DL, E2QS2

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown @ 17.41
E2QQ1, E2QQ3RX, E2QQ6, E2QQ6RE, E2QQ7, E2QR1, E2QR2, E2QR6DL, E2QR9, E2QR9RE, E2QS2

Unknown PAH @ 17.48
E2QR7, E2QR8

Unknown polyterpene derivati @ 17.77
E2QQ1, E2QQ2, E2QQ2RE, E2QR4, E2QR9RE

Unknown @ 17.86
E2QQ1RE, E2QR1RE, E2QR2

Unknown cholestane derivative @ 17.84
E2QR6, E2QS1

Unknown polyterpene derivati @ 17.87
E2QQ2, E2QR1

Unknown @ 17.92
E2QQ1, E2QR1, E2QR1RE, E2QR2, E2QS1

Unknown cholestane derivative @ 17.94
E2QR3

Unknown @ 17.96
E2QQ1, E2QR1

Unknown polyterpene derivati @ 18.04
E2QQ1RE, E2QQ2RE, E2QR2, E2QR9

Unknown @ 18.28
E2QQ3RX, E2QQ5, E2QR1RE, E2QR9, E2QS2

Unknown polycyclic hydrocarb @ 18.29
E2QQ1, E2QR1, E2QR4DL, E2QR6DL

Unknown polyterpene derivati @ 18.37
E2QQ1RE, E2QR2, E2QR5, E2QR9RE

Unknown @ 18.44
E2QQ1, E2QQ5, E2QQ6, E2QQ7, E2QR1, E2QR3, E2QR4, E2QR4DL, E2QR8DL, E2QR9, E2QS2

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown polyterpene derivati @ 18.45
E2QQ3RX, E2QQ5, E2QS0, E2QS1

Unknown cholestane derivative @ 18.52; Unknown cholestane derivative @ 18.62
E2QR6

Unknown polyterpene derivati @ 18.64
E2QQ3RX, E2QQ4

Unknown @ 18.69
E2QQ5, E2QR1, E2QR2, E2QR3, E2QR7, E2QS1

Unknown @ 18.80
E2QQ3RX, E2QQ5, E2QQ7, E2QR8DL, E2QS2

Unknown polyterpene derivati @ 18.83
E2QQ3RX, E2QQ7, E2QR4, E2QR7

Unknown polyterpene derivati @ 19.23
E2QQ3RX, E2QQ7, E2QQ8, E2QR1RE, E2QR4DL, E2QR5, E2QR6DL, E2QR8DL, E2QR9RE, E2QS1

Unknown polycyclic hydrocarb @ 19.30
E2QQ5, E2QQ6, E2QR8DL, E2QR9, E2QS2

Unknown polyterpene derivati @ 19.33
E2QQ1, E2QQ1RE, E2QQ3, E2QQ4, E2QQ7, E2QQ8, E2QR5, E2QR6, E2QR7, E2QR8, E2QS0

Unknown @ 19.32
E2QQ2, E2QQ7, E2QQ8, E2QR1

Unknown polycyclic hydrocarb @ 19.80
E2QQ3RX, E2QR1RE, E2QR2, E2QR4, E2QR8

Unknown @ 19.98
E2QR1

Unknown polyterpene derivati @ 20.35
E2QQ3RX, E2QR5

Unknown polycyclic hydrocarb @ 20.35
E2QQ5, E2QR1RE, E2QR2

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

Unknown @ 20.59
E2QQ5, E2QR1, E2QR5

Unknown polyterpene derivati @ 20.56
E2QQ3, E2QQ3RX, E2QQ4, E2QQ7, E2QQ8, E2QR8

Unknown polyterpene derivati @ 20.72
E2QQ3, E2QQ3RX, E2QQ7, E2QR1

Unknown polyterpene derivati @ 21.21
E2QR5

Unknown @ 22.02
E2QQ3, E2QQ8

Unknown polyterpene derivati @ 22.27
E2QQ3, E2QQ4

Percent moisture content of the following pesticide samples exceeds primary criteria (70%) and is less than the expanded criteria (90%). Detected compounds are qualified "J" Non-detected compounds are qualified "UJ".

E2QQ2, E2QQ3, E2QQ7, E2QQ8, E2QR4

The following pesticide samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2QQ1
Gamma-BHC (Lindane), Endosulfan I, Dieldrin, Methoxychlor, Endrin aldehyde, alpha-Chlordane

E2QQ1MS
Aldrin, Endosulfan I, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde

E2QQ1MSD
Aldrin, 4,4'-DDE, Endosulfan sulfate

E2QQ2
Alpha-BHC, gamma-BHC (Lindane), Endosulfan I, Dieldrin, Endrin, Methoxychlor, alpha-Chlordane

E2QQ3
Alpha-Chlordane

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QQ4
Heptachlor epoxide

E2QQ6
Endosulfan sulfate, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E2QR1
Beta-BHC, delta-BHC, Endosulfan I

E2QR2
Beta-BHC, delta-BHC, Endosulfan I, 4,4'-DDT

E2QR3
Beta-BHC, Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, alpha-Chlordane

E2QR4
Gamma-BHC (Lindane), Dieldrin, 4,4'-DDE, 4,4'-DDD, Endrin ketone, alpha-Chlordane

E2QR6
Gamma-BHC (Lindane), Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT

E2QR7
4,4'-DDT

E2QR8
Alpha-BHC, 4,4'-DDT, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E2QR9
Endrin ketone, Endrin aldehyde

E2QS0
4,4'-DDE

E2QS1
Gamma-Chlordane

E2QS2
Gamma-BHC (Lindane), Dieldrin, 4,4'-DDE, Endrin aldehyde, alpha-Chlordane

PLCSO7
Gamma-BHC (Lindane), Heptachlor epoxide, Dieldrin, 4,4'-DDE, Endrin, Endosulfan sulfate, Gamma-Chlordane

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

The relative percent difference between analyte results for the following pesticide samples is greater than 25%. Detected compounds are qualified "J" as the sample concentrations were ≥ 25% CRQL.

E2QQ1
Gamma-BHC (Lindane), Heptachlor, Aldrin, Endosulfan I, 4,4'-DDE, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E2QQ1MS
Endosulfan I, 4,4'-DDE, Endosulfan sulfate, 4,4'-DDT, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E2QQ1MSD
4,4'-DDE, Endosulfan sulfate, 4,4'-DDT, gamma-Chlordane

E2QQ2
Alpha-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Endrin, Endosulfan II, Endosulfan sulfate, 4,4'-DDT, Methoxychlor, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E2QQ3
Heptachlor epoxide, alpha-Chlordane

E2QQ4
Heptachlor epoxide

E2QQ5, E2QS1
gamma-Chlordane

E2QQ6
Endosulfan sulfate, alpha-Chlordane, gamma-Chlordane

E2QR1
Beta-BHC, delta-BHC, Heptachlor epoxide, Endosulfan I, gamma-Chlordane

E2QR2
Beta-BHC, delta-BHC, Aldrin, Heptachlor epoxide, Endosulfan I, 4,4'-DDT

E2QR3
Beta-BHC, delta-BHC, Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, alpha-Chlordane, gamma-Chlordane

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QR4
Delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, 4,4'-DDE, 4,4'-DDD, 4,4-DDT, Endrin ketone, alpha-Chlorane, gamma-Chlordane

E2QR6
Beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, alpha-Chlordane, gamma-Chlordane

E2QR7
4,4'-DDT

E2QR8
4,4'-DDT, Endrin ketone, Endrin aldehyde, gamma-Chlordane

E2QR9
Beta-BHC, delta-BHC, gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Endosulfan I, Dieldrin, 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

E2QS2
gamma-BHC (Lindane), Heptachlor, Aldrin, Heptachlor epoxide, Dieldrin, 4,4'-DDE, Endosulfan sulfate, Endrin ketone, Endrin aldehyde, alpha-Chlordane, gamma-Chlordane

Percent moisture content of the following aroclor samples exceeds primary criteria (70%). Detected compounds are qualified "J". Non-detected compounds are qualified "UJ".

E2QQ2, E2QQ3, E2QQ7, E2QQ8, E2QR4

The following aroclor samples have analyte concentrations below the quantitation limit (CRQL). Detected compounds are qualified "J".

E2QQ1, E2QQ1MS, E2QQ1MSD, E2QQ2, E2QR1, E2QR2, E2QR3, E2QR4, E2QR6, E2QR9, E2QS1, E2QS2
Aroclor-1260

E2QQ3, E2QQ4, E2QQ5, E2QQ7, E2QR7
Aroclor-1248, Aroclor-1260

E2QQ8
Aroclor-1254

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

E2QR5
Aroclor-1248, Aroclor-1254, Aroclor-1260

The relative percent difference between analyte results for the following aroclor samples is greater than 25%. Detected compounds are qualified "J" because the sample concentrations were ≥ 25% CRQL.

E2QQ2, E2QR8
Aroclor-1254, Aroclor-1260

E2QQ3, E2QQ8, E2QR7, E2QS2
Aroclor-1254

E2QQ4, E2QR6, E2QS1
Aroclor-1260

E2QQ5
Aroclor-1248, Aroclor-1254

E2QR1, E2QR2, E2QR9
Aroclor-1248

E2QR5
Aroclor-1248, Aroclor-1260

11. SYSTEM PERFORMANCE

GC/MS baseline indicated acceptable performance. The GC baseline for the pesticide analysis was acceptable.

12. ADDITIONAL INFORMATION

The following semivolatile samples have compound concentrations which exceed the instruments calibration range. The detected results are qualified "J". The results from the diluted analyses should be considered the final concentrations for the affected compounds.

E2QR4
Benzo(b)fluoranthene

E2QR6
Pyrene

E2QR8
Fluoranthene, Benzo(b)fluoranthene

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

The following semivolatile sample reported a target compound as a semivoltile TIC. The concentration for the compound reported for the target analysis is probably biased low therefore the reported concentration should be qualified "J" as an estimate.

E2QQ5
CAS No. 50-32-8, Benzo[a]pyrene

Reviewed by: Allison Harvey / Techlaw-ESAT
Date: July 14, 2009

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

CADRE Data Qualifier Sheet

Qualifiers	Data Qualifier Definitions
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
J	The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the action limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R	The data are unusable. (The compound may or may not be present.)

Reviewed by: Allison Harvey / Techlaw-ESAT
Date: July 14, 2009

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Number of Soil Samples : 20
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	E2QQ1		E2QQ1MS		E2QQ1MSD		E2QQ1RE		E2QQ2	
Sampling Location :	SDA1		SDA1		SDA1		SDA1		SDA2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009								5/5/2009	
Time Sampled :										
%Moisture :	68		68		68		68		71	
pH :	6.9		6.9		6.9		6.9		7.0	
Dilution Factor :	10.0		10.0		10.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	5300	U	5400	U	5400	U	5300	U	17000	UJ
Phenol	5300	UJ	990	J	1700	J	5300	UJ	17000	UJ
Bis(2-chloroethyl)ether	5300	U	5400	U	5400	U	5300	U	17000	UJ
2-Chlorophenol	5300	U	1200	J	1900	J	5300	U	17000	UJ
2-Methylphenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
2,2'-Oxybis(1-chloropropane)	5300	U	5400	U	5400	U	5300	U	17000	UJ
Acetophenone	5300	U	5400	U	5400	U	5300	U	17000	UJ
4-Methylphenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
N-Nitroso-di-n-propylamine	5300	UJ	1400	J	1700	J	5300	UJ	17000	UJ
Hexachloroethane	5300	UJ	5400	U	5400	U	5300	U	17000	UJ
Nitrobenzene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Isophorone	5300	U	5400	U	5400	U	5300	U	17000	UJ
2-Nitrophenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
2,4-Dimethylphenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
Bis(2-chloroethoxy)methane	5300	U	5400	U	5400	U	5300	U	17000	UJ
2,4-Dichlorophenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
Naphthalene	5300	U	5400	U	5400	U	5300	U	17000	UJ
4-Chloroaniline	5300	U	5400	U	5400	U	5300	U	17000	UJ
Hexachlorobutadiene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Caprolactam	5300	U	5400	U	5400	U	5300	U	17000	UJ
4-Chloro-3-Methylphenol	5300	U	1400	J	1800	J	5300	U	17000	UJ
2-Methylnaphthalene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Hexachlorocyclopentadiene	5300	R	5400	UJ	5400	UJ	5300	UJ	17000	R
2,4,6-Trichlorophenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
2,4,5-Trichlorophenol	5300	U	5400	U	5400	U	5300	U	17000	UJ
1,1'-Biphenyl	5300	U	5400	U	5400	U	5300	U	17000	UJ
2-Chloronaphthalene	5300	U	5400	U	5400	U	5300	U	17000	UJ
2-Nitroaniline	10000	U	10000	U	10000	U	10000	U	34000	UJ
Dimethylphthalate	5300	U	5400	U	5400	U	5300	U	17000	UJ
2,6-Dinitrotoluene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Acenaphthylene	590	J	5400	U	5400	U	590	J	17000	UJ
3-Nitroaniline	10000	U	10000	U	10000	U	10000	U	34000	UJ
Acenaphthene	580	J	2700	J	2300	J	5300	UJ	12000	J

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QQ1		E2QQ1MS		E2QQ1MSD		E2QQ1RE		E2QQ2	
Sampling Location :	SDA1		SDA1		SDA1		SDA1		SDA2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009								5/5/2009	
Time Sampled :										
%Moisture :	68		68		68		68		71	
pH :	6.9		6.9		6.9		6.9		7.0	
Dilution Factor :	10.0		10.0		10.0		10.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	10000	UJ	10000	UJ	10000	UJ	10000	UJ	34000	UJ
4-Nitrophenol	10000	UJ	1600	J	2700	J	10000	UJ	34000	UJ
Dibenzofuran	5300	U	5400	U	5400	U	5300	U	17000	UJ
2,4-Dinitrotoluene	5300	UJ	900	J	1300	J	5300	UJ	17000	UJ
Diethylphthalate	5300	U	5400	U	5400	U	5300	U	17000	UJ
Fluorene	5300	U	5400	U	5400	U	5300	U	17000	UJ
4-Chlorophenyl-phenylether	5300	U	5400	U	5400	U	5300	U	17000	UJ
4-Nitroaniline	10000	U	10000	U	10000	U	10000	U	34000	UJ
4,6-Dinitro-2-methylphenol	10000	UJ	10000	UJ	10000	UJ	10000	UJ	34000	UJ
N-Nitrosodiphenylamine	5300	U	5400	U	5400	U	5300	U	17000	UJ
1,2,4,5-Tetrachlorobenzene	5300	U	5400	U	5400	U	5300	U	17000	UJ
4-Bromophenyl-phenylether	5300	U	5400	U	5400	U	5300	U	17000	UJ
Hexachlorobenzene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Atrazine	5300	U	5400	U	5400	U	5300	U	17000	UJ
Pentachlorophenol	10000	U	1200	J	1500	J	10000	U	34000	UJ
Phenanthrene	620	J	5400	U	640	J	520	J	17000	UJ
Anthracene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Carbazole	5300	U	5400	U	5400	U	5300	U	17000	UJ
Di-n-butylphthalate	5300	U	5400	U	5400	U	5300	U	17000	UJ
Fluoranthene	1600	J	1200	J	1500	J	1700	J	7000	J
Pyrene	3200	J	4100	J	3700	J	3300	J	7900	J
Butylbenzylphthalate	5300	U	5400	U	5400	U	5300	U	17000	UJ
3,3'-Dichlorobenzidine	5300	U	5400	U	5400	U	5300	U	17000	UJ
Benzo(a)anthracene	5300	U	5400	U	5400	U	5300	U	17000	UJ
Chrysene	2600	J	1500	J	2000	J	2700	J	7500	J
Bis(2-ethylhexyl)phthalate	5300	U	760	J	5400	U	5300	U	17000	UJ
Di-n-octylphthalate	5300	UJ	5400	UJ	5400	UJ	5300	UJ	17000	UJ
Benzo(b)fluoranthene	4000	J	2500	J	3000	J	3600	J	5900	J
Benzo(k)fluoranthene	2000	J	1900	J	1500	J	2100	J	2600	J
Benzo(a)pyrene	1700	J	1600	J	1600	J	1700	J	1900	J
Indeno(1,2,3-cd)pyrene	1000	J	5400	UJ	5400	U	870	J	17000	UJ
Dibenzo(a,h)anthracene	5300	UJ	5400	UJ	5400	U	5300	UJ	17000	UJ
Benzo(g,h,i)perylene	1200	J	5400	UJ	5400	UJ	1400	J	17000	UJ
2,3,4,6-Tetrachlorophenol	5300	U	5400	U	5400	U	5300	U	17000	UJ

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QQ2MS		E2QQ2MSD		E2QQ2RE		E2QQ3		E2QQ3RX	
Sampling Location :	SDA2		SDA2		SDA2		SDB1			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :							5/5/2009			
Time Sampled :										
%Moisture :	71		71		71		79		79	
pH :	7.0		7.0		7.0		7.2		7.2	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	17000	UJ	17000	UJ	17000	UJ	810	UJ	270	J
Phenol	87000	J	90000	J	17000	UJ	810	UJ	800	UJ
Bis(2-chloroethyl)ether	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2-Chlorophenol	96000	J	99000	J	17000	UJ	810	UJ	800	UJ
2-Methylphenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2,2'-Oxybis(1-chloropropane)	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Acetophenone	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
4-Methylphenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
N-Nitroso-di-n-propylamine	95000	J	98000	J	17000	UJ	810	UJ	800	UJ
Hexachloroethane	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Nitrobenzene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Isophorone	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2-Nitrophenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2,4-Dimethylphenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Bis(2-chloroethoxy)methane	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2,4-Dichlorophenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Naphthalene	17000	UJ	17000	UJ	17000	UJ	810	UJ	96	J
4-Chloroaniline	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Hexachlorobutadiene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Caprolactam	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
4-Chloro-3-Methylphenol	94000	J	98000	J	17000	UJ	810	UJ	800	UJ
2-Methylnaphthalene	17000	UJ	17000	UJ	17000	UJ	810	UJ	92	J
Hexachlorocyclopentadiene	17000	R	17000	R	17000	UJ	810	UJ	800	UJ
2,4,6-Trichlorophenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2,4,5-Trichlorophenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
1,1'-Biphenyl	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2-Chloronaphthalene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2-Nitroaniline	34000	UJ	34000	UJ	34000	UJ	1600	UJ	1600	UJ
Dimethylphthalate	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
2,6-Dinitrotoluene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Acenaphthylene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
3-Nitroaniline	34000	UJ	34000	UJ	34000	UJ	1600	UJ	1600	UJ
Acenaphthene	100000	J	100000	J	14000	J	810	UJ	800	UJ

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QQ2MS		E2QQ2MSD		E2QQ2RE		E2QQ3		E2QQ3RX	
Sampling Location :	SDA2		SDA2		SDA2		SDB1			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :							5/5/2009			
Time Sampled :										
%Moisture :	71		71		71		79		79	
pH :	7.0		7.0		7.0		7.2		7.2	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	34000	UJ	34000	UJ	34000	UJ	1600	UJ	1600	UJ
4-Nitrophenol	98000	J	100000	J	34000	UJ	1600	UJ	1600	UJ
Dibenzofuran	2600	J	17000	UJ	4900	J	810	UJ	800	UJ
2,4-Dinitrotoluene	84000	J	88000	J	17000	UJ	810	UJ	800	UJ
Diethylphthalate	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Fluorene	4700	J	2500	J	9200	J	810	UJ	800	UJ
4-Chlorophenyl-phenylether	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
4-Nitroaniline	34000	UJ	34000	UJ	34000	UJ	1600	UJ	1600	UJ
4,6-Dinitro-2-methylphenol	34000	UJ	34000	UJ	34000	UJ	1600	UJ	1600	UJ
N-Nitrosodiphenylamine	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
1,2,4,5-Tetrachlorobenzene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
4-Bromophenyl-phenylether	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Hexachlorobenzene	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Atrazine	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Pentachlorophenol	73000	J	74000	J	34000	UJ	1600	UJ	1600	UJ
Phenanthrene	17000	UJ	3600	J	17000	UJ	140	J	470	J
Anthracene	17000	UJ	17000	UJ	1800	J	810	UJ	88	J
Carbazole	17000	UJ	17000	UJ	17000	UJ	810	UJ	82	J
Di-n-butylphthalate	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Fluoranthene	4000	J	7100	J	8100	J	250	J	1000	J
Pyrene	77000	J	81000	J	11000	J	250	J	750	J
Butylbenzylphthalate	17000	UJ	17000	UJ	17000	UJ	810	UJ	110	J
3,3'-Dichlorobenzidine	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Benzo(a)anthracene	17000	UJ	3200	J	17000	UJ	140	J	550	J
Chrysene	4000	J	4700	J	9000	J	210	J	770	J
Bis(2-ethylhexyl)phthalate	17000	UJ	17000	UJ	17000	UJ	150	J	800	UJ
Di-n-octylphthalate	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ
Benzo(b)fluoranthene	17000	UJ	3100	J	6100	J	180	J	860	J
Benzo(k)fluoranthene	17000	UJ	3000	J	4000	J	170	J	840	J
Benzo(a)pyrene	17000	UJ	3100	J	2900	J	180	J	730	J
Indeno(1,2,3-cd)pyrene	17000	UJ	17000	UJ	17000	UJ	150	J	260	J
Dibenzo(a,h)anthracene	17000	UJ	17000	UJ	17000	UJ	810	UJ	93	J
Benzo(g,h,i)perylene	17000	UJ	17000	UJ	17000	UJ	200	J	240	J
2,3,4,6-Tetrachlorophenol	17000	UJ	17000	UJ	17000	UJ	810	UJ	800	UJ

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QQ4		E2QQ5		E2QQ6		E2QQ6RE		E2QQ7	
Sampling Location :	SDB2		SDC1		SDC2		SDC2		SDD1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009				5/5/2009	
Time Sampled :										
%Moisture :	69		58		61		61		78	
pH :	7.7		7.1		7.3		7.3		6.9	
Dilution Factor :	1.0		1.0		4.0		4.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	89	J	400	U	1800	U	1800	U	770	UJ
Phenol	550	U	400	U	1800	U	1800	U	770	UJ
Bis(2-chloroethyl)ether	550	U	400	U	1800	U	1800	U	770	UJ
2-Chlorophenol	550	U	400	U	1800	U	1800	U	770	UJ
2-Methylphenol	550	U	400	U	1800	U	1800	U	770	UJ
2,2'-Oxybis(1-chloropropane)	550	U	400	U	1800	U	1800	U	770	UJ
Acetophenone	550	U	400	U	1800	U	1800	U	770	UJ
4-Methylphenol	550	U	400	U	180	J	1800	U	770	UJ
N-Nitroso-di-n-propylamine	550	U	400	U	1800	U	1800	U	770	UJ
Hexachloroethane	550	U	400	U	1800	U	1800	U	770	UJ
Nitrobenzene	550	U	400	U	1800	U	1800	U	770	UJ
Isophorone	550	U	400	U	1800	U	1800	U	770	UJ
2-Nitrophenol	550	U	400	U	1800	U	1800	U	770	UJ
2,4-Dimethylphenol	550	U	400	U	1800	U	1800	U	770	UJ
Bis(2-chloroethoxy)methane	550	U	400	U	1800	U	1800	U	770	UJ
2,4-Dichlorophenol	550	U	400	U	1800	U	1800	U	770	UJ
Naphthalene	55	J	350	J	4800		4800		100	J
4-Chloroaniline	550	U	400	U	1800	U	1800	U	770	UJ
Hexachlorobutadiene	550	U	400	U	1800	U	1800	U	770	UJ
Caprolactam	550	U	400	U	1800	U	1800	U	770	UJ
4-Chloro-3-Methylphenol	550	U	400	U	1800	U	1800	U	770	UJ
2-Methylnaphthalene	58	J	93	J	1100	J	1200	J	770	UJ
Hexachlorocyclopentadiene	550	U	400	U	1800	UJ	1800	UJ	770	UJ
2,4,6-Trichlorophenol	550	U	400	U	1800	U	1800	U	770	UJ
2,4,5-Trichlorophenol	550	U	400	U	1800	U	1800	U	770	UJ
1,1'-Biphenyl	550	U	400	U	450	J	460	J	770	UJ
2-Chloronaphthalene	550	U	400	U	1800	U	1800	U	770	UJ
2-Nitroaniline	1100	U	780	U	3400	U	3400	U	1500	UJ
Dimethylphthalate	550	U	400	U	1800	U	1800	U	770	UJ
2,6-Dinitrotoluene	550	U	400	U	1800	U	1800	U	770	UJ
Acenaphthylene	550	U	150	J	890	J	1100	J	770	UJ
3-Nitroaniline	1100	U	780	U	3400	U	3400	U	1500	UJ
Acenaphthene	550	U	400	U	940	J	1100	J	770	UJ

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QQ4		E2QQ5		E2QQ6		E2QQ6RE		E2QQ7	
Sampling Location :	SDB2		SDC1		SDC2		SDC2		SDD1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009				5/5/2009	
Time Sampled :										
%Moisture :	69		58		61		61		78	
pH :	7.7		7.1		7.3		7.3		6.9	
Dilution Factor :	1.0		1.0		4.0		4.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	1100	U	780	U	3400	UJ	3400	UJ	1500	UJ
4-Nitrophenol	1100	U	780	U	3400	U	3400	U	1500	UJ
Dibenzofuran	550	U	59	J	570	J	580	J	770	UJ
2,4-Dinitrotoluene	550	U	400	U	1800	U	1800	U	770	UJ
Diethylphthalate	550	U	400	U	1800	U	1800	U	770	UJ
Fluorene	550	U	46	J	3300		3600		770	UJ
4-Chlorophenyl-phenylether	550	U	400	U	1800	U	1800	U	770	UJ
4-Nitroaniline	1100	U	780	U	3400	U	3400	U	1500	UJ
4,6-Dinitro-2-methylphenol	1100	U	780	U	3400	UJ	3400	UJ	1500	UJ
N-Nitrosodiphenylamine	550	U	400	U	1800	U	1800	U	770	UJ
1,2,4,5-Tetrachlorobenzene	550	U	400	U	1800	U	1800	U	770	UJ
4-Bromophenyl-phenylether	550	U	400	U	1800	U	1800	U	770	UJ
Hexachlorobenzene	550	U	400	U	1800	U	1800	U	770	UJ
Atrazine	550	U	400	U	1800	U	1800	U	770	UJ
Pentachlorophenol	1100	U	780	U	3400	U	3400	U	1500	UJ
Phenanthrene	280	J	210	J	1400	J	1500	J	250	J
Anthracene	57	J	80	J	780	J	870	J	770	UJ
Carbazole	550	U	400	U	1800	U	1800	U	770	UJ
Di-n-butylphthalate	550	U	400	U	1800	U	1800	U	770	UJ
Fluoranthene	610		330	J	13000		15000		420	J
Pyrene	420	J	190	J	8900		9500		270	J
Butylbenzylphthalate	65	J	400	U	1800	U	1800	U	770	UJ
3,3'-Dichlorobenzidine	550	U	400	U	1800	U	1800	U	770	UJ
Benzo(a)anthracene	330	J	200	J	5000		5200		190	J
Chrysene	460	J	310	J	4700		4800		350	J
Bis(2-ethylhexyl)phthalate	370	J	99	J	1800	U	1800	U	160	J
Di-n-octylphthalate	550	U	400	U	1800	U	1800	UJ	770	UJ
Benzo(b)fluoranthene	540	J	400	J	7200		7100		260	J
Benzo(k)fluoranthene	500	J	260	J	4500		5700		250	J
Benzo(a)pyrene	450	J	280	J	4700		4700		250	J
Indeno(1,2,3-cd)pyrene	150	J	120	J	830	J	760	J	89	J
Dibenzo(a,h)anthracene	550	U	400	U	290	J	250	J	770	UJ
Benzo(g,h,i)perylene	160	J	120	J	730	J	700	J	100	J
2,3,4,6-Tetrachlorophenol	550	U	400	U	1800	U	1800	U	770	UJ

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QQ8		E2QR1		E2QR1RE		E2QR2		E2QR3	
Sampling Location :	SDD2		SDE1		SDE1		SDE2		SDF1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009				5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	80		67		67		65		68	
pH :	7.0		7.4		7.4		7.3		7.4	
Dilution Factor :	1.0		1.0		1.0		1.0		4.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	850	UJ	520	U	520	U	480	U	2100	U
Phenol	850	UJ	520	U	520	U	480	U	2100	U
Bis(2-chloroethyl)ether	850	UJ	520	U	520	U	480	U	2100	U
2-Chlorophenol	850	UJ	520	U	520	U	480	U	2100	U
2-Methylphenol	850	UJ	520	U	520	U	480	U	2100	U
2,2'-Oxybis(1-chloropropane)	850	UJ	520	U	520	U	480	U	2100	U
Acetophenone	850	UJ	93	J	520	U	480	U	2100	U
4-Methylphenol	850	UJ	520	U	520	U	480	U	250	J
N-Nitroso-di-n-propylamine	850	UJ	520	U	520	U	480	U	2100	U
Hexachloroethane	850	UJ	520	U	520	U	480	U	2100	U
Nitrobenzene	850	UJ	520	U	520	U	480	U	2100	U
Isophorone	850	UJ	520	U	520	U	480	U	2100	U
2-Nitrophenol	850	UJ	520	U	520	U	480	U	2100	U
2,4-Dimethylphenol	850	UJ	520	U	520	U	480	U	2100	U
Bis(2-chloroethoxy)methane	850	UJ	520	U	520	U	480	U	2100	U
2,4-Dichlorophenol	850	UJ	520	U	520	U	480	U	2100	U
Naphthalene	850	UJ	400	J	410	J	210	J	1700	J
4-Chloroaniline	850	UJ	150	J	250	J	180	J	1100	J
Hexachlorobutadiene	850	UJ	520	U	520	U	480	U	2100	U
Caprolactam	850	UJ	520	U	520	U	480	UJ	2100	U
4-Chloro-3-Methylphenol	850	UJ	520	U	520	U	480	U	2100	U
2-Methylnaphthalene	850	UJ	340	J	340	J	180	J	1400	J
Hexachlorocyclopentadiene	850	UJ	520	UJ	520	UJ	480	U	2100	UJ
2,4,6-Trichlorophenol	850	UJ	520	U	520	U	480	U	2100	U
2,4,5-Trichlorophenol	850	UJ	520	U	520	U	480	U	2100	U
1,1'-Biphenyl	850	UJ	220	J	220	J	120	J	910	J
2-Chloronaphthalene	850	UJ	520	U	520	U	480	U	2100	U
2-Nitroaniline	1700	UJ	1000	U	1000	U	940	U	4100	U
Dimethylphthalate	850	UJ	520	U	520	U	480	UJ	2100	U
2,6-Dinitrotoluene	850	UJ	520	U	520	U	480	U	2100	U
Acenaphthylene	850	UJ	300	J	390	J	220	J	2600	
3-Nitroaniline	1700	UJ	1000	U	1000	U	940	U	4100	U
Acenaphthene	850	UJ	240	J	260	J	130	J	6100	

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QQ8		E2QR1		E2QR1RE		E2QR2		E2QR3	
Sampling Location :	SDD2		SDE1		SDE1		SDE2		SDF1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009				5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	80		67		67		65		68	
pH :	7.0		7.4		7.4		7.3		7.4	
Dilution Factor :	1.0		1.0		1.0		1.0		4.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	1700	UJ	1000	UJ	1000	UJ	940	U	4100	UJ
4-Nitrophenol	1700	UJ	1000	U	1000	U	940	U	4100	U
Dibenzofuran	850	UJ	480	J	500	J	270	J	2500	
2,4-Dinitrotoluene	850	UJ	520	U	520	U	480	U	2100	U
Diethylphthalate	850	UJ	520	U	520	U	480	UJ	2100	U
Fluorene	850	UJ	200	J	210	J	120	J	2300	
4-Chlorophenyl-phenylether	850	UJ	520	U	520	U	480	U	2100	U
4-Nitroaniline	1700	UJ	1000	U	1000	U	940	U	4100	U
4,6-Dinitro-2-methylphenol	1700	UJ	1000	UJ	1000	UJ	940	U	4100	UJ
N-Nitrosodiphenylamine	850	UJ	520	U	520	U	480	U	2100	U
1,2,4,5-Tetrachlorobenzene	850	UJ	520	U	520	U	480	U	2100	U
4-Bromophenyl-phenylether	850	UJ	520	U	520	U	480	U	2100	U
Hexachlorobenzene	850	UJ	520	U	520	U	480	U	2100	U
Atrazine	850	UJ	520	U	520	U	480	U	2100	U
Pentachlorophenol	1700	UJ	1000	U	1000	U	940	U	4100	U
Phenanthrene	850	UJ	770		800		400	J	2500	
Anthracene	850	UJ	260	J	290	J	150	J	1900	J
Carbazole	850	UJ	58	J	69	J	480	U	2100	U
Di-n-butylphthalate	850	UJ	520	U	520	U	480	UJ	2100	U
Fluoranthene	100	J	1500		1900		920	J	28000	
Pyrene	850	UJ	1100		1200		530	J	22000	
Butylbenzylphthalate	850	UJ	520	U	520	U	480	UJ	2100	U
3,3'-Dichlorobenzidine	850	UJ	520	U	520	U	480	U	2100	U
Benzo(a)anthracene	850	UJ	860		870		460	J	12000	
Chrysene	850	UJ	1200		1200		600	J	15000	
Bis(2-ethylhexyl)phthalate	85	J	310	J	350	J	180	J	5900	
Di-n-octylphthalate	850	UJ	520	U	520	UJ	480	UJ	2100	UJ
Benzo(b)fluoranthene	850	UJ	2500		2700	J	1200		30000	J
Benzo(k)fluoranthene	850	UJ	1400		1600	J	910		21000	J
Benzo(a)pyrene	850	UJ	1600		1700	J	880		20000	J
Indeno(1,2,3-cd)pyrene	850	UJ	520	J	560	J	280	J	5100	J
Dibenzo(a,h)anthracene	850	UJ	120	J	130	J	67	J	1500	J
Benzo(g,h,i)perylene	850	UJ	540	J	600	J	280	J	5200	J
2,3,4,6-Tetrachlorophenol	850	UJ	520	U	520	U	480	U	2100	U

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QR3RE		E2QR4		E2QR4DL		E2QR5		E2QR6	
Sampling Location :	SDF1		SDF2		SDF2		SDG1		SDG2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009				5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	68		70		70		29		51	
pH :	7.4		7.3		7.3		7.8		7.3	
Dilution Factor :	4.0		4.0		6.7		1.0		2.5	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	2100	U	2300	UJ	3800	UJ	240	U	860	U
Phenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
Bis(2-chloroethyl)ether	2100	U	2300	UJ	3800	UJ	240	U	860	U
2-Chlorophenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
2-Methylphenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
2,2'-Oxybis(1-chloropropane)	2100	U	2300	UJ	3800	UJ	240	U	860	U
Acetophenone	2100	U	2300	UJ	3800	UJ	240	U	860	U
4-Methylphenol	2100	U	2300	UJ	3800	UJ	240	U	110	J
N-Nitroso-di-n-propylamine	2100	U	2300	UJ	3800	UJ	240	U	860	U
Hexachloroethane	2100	U	2300	UJ	3800	UJ	240	U	860	U
Nitrobenzene	2100	U	2300	UJ	3800	UJ	240	U	860	U
Isophorone	2100	U	2300	UJ	3800	UJ	240	U	860	U
2-Nitrophenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
2,4-Dimethylphenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
Bis(2-chloroethoxy)methane	2100	U	2300	UJ	3800	UJ	240	U	860	U
2,4-Dichlorophenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
Naphthalene	1700	J	2100	J	2200	J	240	U	380	J
4-Chloroaniline	1300	J	1100	J	1300	J	240	U	980	
Hexachlorobutadiene	2100	U	2300	UJ	3800	UJ	240	U	860	U
Caprolactam	2100	U	2300	UJ	3800	UJ	240	U	860	U
4-Chloro-3-Methylphenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
2-Methylnaphthalene	1300	J	1800	J	1700	J	240	U	330	J
Hexachlorocyclopentadiene	2100	UJ	2300	UJ	3800	UJ	240	U	860	UJ
2,4,6-Trichlorophenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
2,4,5-Trichlorophenol	2100	U	2300	UJ	3800	UJ	240	U	860	U
1,1'-Biphenyl	830	J	1200	J	1100	J	240	U	210	J
2-Chloronaphthalene	2100	U	2300	UJ	3800	UJ	240	U	860	U
2-Nitroaniline	4100	U	4400	UJ	7300	UJ	460	U	1700	U
Dimethylphthalate	2100	U	2300	UJ	3800	UJ	240	U	860	U
2,6-Dinitrotoluene	2100	U	2300	UJ	3800	UJ	240	U	860	U
Acenaphthylene	2900		3300	J	3400	J	240	U	950	
3-Nitroaniline	4100	U	4400	UJ	7300	UJ	460	U	1700	U
Acenaphthene	5800		7100	J	6800	J	240	U	1800	

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QR3RE		E2QR4		E2QR4DL		E2QR5		E2QR6	
Sampling Location :	SDF1		SDF2		SDF2		SDG1		SDG2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009				5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	68		70		70		29		51	
pH :	7.4		7.3		7.3		7.8		7.3	
Dilution Factor :	4.0		4.0		6.7		1.0		2.5	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	4100	UJ	4400	UJ	7300	UJ	460	U	1700	UJ
4-Nitrophenol	4100	U	4400	UJ	7300	UJ	460	U	1700	U
Dibenzofuran	2600		3200	J	3200	J	240	U	850	J
2,4-Dinitrotoluene	2100	U	2300	UJ	3800	UJ	240	U	860	U
Diethylphthalate	2100	U	2300	UJ	3800	UJ	240	U	860	U
Fluorene	2200		2300	J	2400	J	240	U	1400	
4-Chlorophenyl-phenylether	2100	U	2300	UJ	3800	UJ	240	U	860	U
4-Nitroaniline	4100	U	4400	UJ	7300	UJ	460	U	1700	U
4,6-Dinitro-2-methylphenol	4100	UJ	4400	UJ	7300	UJ	460	U	1700	UJ
N-Nitrosodiphenylamine	2100	U	2300	UJ	3800	UJ	240	U	860	U
1,2,4,5-Tetrachlorobenzene	2100	U	2300	UJ	3800	UJ	240	U	860	U
4-Bromophenyl-phenylether	2100	U	2300	UJ	3800	UJ	240	U	860	U
Hexachlorobenzene	2100	U	2300	UJ	3800	UJ	240	U	860	U
Atrazine	2100	U	2300	UJ	3800	UJ	240	U	860	U
Pentachlorophenol	4100	U	4400	UJ	7300	UJ	460	U	1700	U
Phenanthrene	2500		3000	J	3100	J	77	J	900	
Anthracene	1900	J	2300	J	2200	J	31	J	720	J
Carbazole	2100	U	2300	UJ	3800	UJ	240	U	860	U
Di-n-butylphthalate	2100	U	2300	UJ	3800	UJ	240	U	860	U
Fluoranthene	29000		28000	J	29000	J	140	J	8000	J
Pyrene	25000		23000	J	23000	J	120	J	21000	J
Butylbenzylphthalate	2100	U	2300	UJ	3800	UJ	34	J	860	UJ
3,3'-Dichlorobenzidine	2100	U	2300	UJ	3800	UJ	240	U	860	UJ
Benzo(a)anthracene	12000		12000	J	12000	J	110	J	3300	J
Chrysene	15000		16000	J	16000	J	140	J	4700	J
Bis(2-ethylhexyl)phthalate	6100		5500	J	5700	J	110	J	1000	J
Di-n-octylphthalate	2100	UJ	2300	UJ	3800	UJ	240	U	860	R
Benzo(b)fluoranthene	30000	J	40000	J	38000	J	170	J	7400	J
Benzo(k)fluoranthene	21000	J	21000	J	18000	J	94	J	4200	J
Benzo(a)pyrene	20000	J	23000	J	23000	J	120	J	4800	J
Indeno(1,2,3-cd)pyrene	5700	J	7000	J	5000	J	41	J	3100	J
Dibenzo(a,h)anthracene	1600	J	2000	J	1400	J	240	U	790	J
Benzo(g,h,i)perylene	6100	J	7200	J	5200	J	43	J	3500	J
2,3,4,6-Tetrachlorophenol	2100	U	2300	UJ	3800	UJ	240	U	860	U

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QR6DL		E2QR7		E2QR8		E2QR8DL		E2QR9	
Sampling Location :	SDG2		SDH1		SDH2		SDH2		SDI1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009		5/5/2009				5/5/2009	
Time Sampled :										
%Moisture :	51		23		17		17		59	
pH :	7.3		8.1		8.9		8.9		7.9	
Dilution Factor :	5.0		1.0		1.0		2.0		3.3	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	1700	U	220	U	200	U	410	U	1400	U
Phenol	1700	U	220	U	200	U	410	U	1400	U
Bis(2-chloroethyl)ether	1700	U	220	U	200	U	410	U	1400	U
2-Chlorophenol	1700	U	220	U	200	U	410	U	1400	U
2-Methylphenol	1700	U	220	U	200	U	410	U	1400	U
2,2'-Oxybis(1-chloropropane)	1700	U	220	U	200	U	410	U	1400	U
Acetophenone	1700	U	220	U	200	U	410	U	1400	U
4-Methylphenol	1700	U	220	U	39	J	410	U	1400	U
N-Nitroso-di-n-propylamine	1700	U	220	U	200	U	410	U	1400	U
Hexachloroethane	1700	U	220	U	200	U	410	U	1400	U
Nitrobenzene	1700	U	220	U	200	U	410	U	1400	U
Isophorone	1700	U	220	U	200	U	410	U	1400	U
2-Nitrophenol	1700	U	220	U	200	U	410	U	1400	U
2,4-Dimethylphenol	1700	U	220	U	200	U	410	U	1400	U
Bis(2-chloroethoxy)methane	1700	U	220	U	200	U	410	U	1400	U
2,4-Dichlorophenol	1700	U	220	U	200	U	410	U	1400	U
Naphthalene	400	J	220	U	39	J	410	U	680	J
4-Chloroaniline	1100	J	220	U	200	U	410	U	800	J
Hexachlorobutadiene	1700	U	220	U	200	U	410	U	1400	U
Caprolactam	1700	U	220	U	200	U	410	U	1400	U
4-Chloro-3-Methylphenol	1700	U	220	U	200	U	410	U	1400	U
2-Methylnaphthalene	350	J	26	J	71	J	65	J	830	J
Hexachlorocyclopentadiene	1700	UJ	220	U	200	UJ	410	UJ	1400	UJ
2,4,6-Trichlorophenol	1700	U	220	U	200	U	410	U	1400	U
2,4,5-Trichlorophenol	1700	U	220	U	200	U	410	U	1400	U
1,1'-Biphenyl	200	J	220	U	200	U	410	U	520	J
2-Chloronaphthalene	1700	U	220	U	200	U	410	U	1400	U
2-Nitroaniline	3300	U	420	U	390	U	790	U	2700	U
Dimethylphthalate	1700	U	220	U	200	U	410	U	1400	U
2,6-Dinitrotoluene	1700	U	220	U	200	U	410	U	1400	U
Acenaphthylene	940	J	40	J	89	J	110	J	1100	J
3-Nitroaniline	3300	U	420	U	390	U	790	U	2700	U
Acenaphthene	1800		28	J	75	J	67	J	450	J

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QR6DL		E2QR7		E2QR8		E2QR8DL		E2QR9	
Sampling Location :	SDG2		SDH1		SDH2		SDH2		SDI1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009		5/5/2009				5/5/2009	
Time Sampled :										
%Moisture :	51		23		17		17		59	
pH :	7.3		8.1		8.9		8.9		7.9	
Dilution Factor :	5.0		1.0		1.0		2.0		3.3	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	3300	UJ	420	U	390	UJ	790	UJ	2700	UJ
4-Nitrophenol	3300	U	420	U	390	U	790	U	2700	U
Dibenzofuran	830	J	220	U	53	J	52	J	1300	J
2,4-Dinitrotoluene	1700	U	220	U	200	U	410	U	1400	U
Diethylphthalate	1700	U	220	U	200	U	410	U	1400	U
Fluorene	1300	J	32	J	120	J	110	J	490	J
4-Chlorophenyl-phenylether	1700	U	220	U	200	U	410	U	1400	U
4-Nitroaniline	3300	U	420	U	390	U	790	U	2700	U
4,6-Dinitro-2-methylphenol	3300	UJ	420	U	390	UJ	790	UJ	2700	UJ
N-Nitrosodiphenylamine	1700	U	220	U	200	U	410	U	1400	U
1,2,4,5-Tetrachlorobenzene	1700	U	220	U	200	U	410	U	1400	U
4-Bromophenyl-phenylether	1700	U	220	U	200	U	410	U	1400	U
Hexachlorobenzene	1700	U	220	U	200	U	410	U	1400	U
Atrazine	1700	U	220	U	200	U	410	U	1400	U
Pentachlorophenol	3300	U	420	U	390	U	790	U	2700	U
Phenanthrene	890	J	970		2000		1800		1200	J
Anthracene	770	J	280		520		480		670	J
Carbazole	1700	U	72	J	110	J	110	J	1400	U
Di-n-butylphthalate	1700	U	45	J	210		200	J	1400	U
Fluoranthene	8900		2900		4300	J	4400		4000	
Pyrene	16000		1600		2600		2500		4500	
Butylbenzylphthalate	1700	U	82	J	190	J	200	J	1400	U
3,3'-Dichlorobenzidine	1700	U	220	U	200	U	410	U	1400	U
Benzo(a)anthracene	3500		1500		2200		2000		2400	
Chrysene	4700		1500		2300		2100		3300	
Bis(2-ethylhexyl)phthalate	1600	J	150	J	160	J	160	J	920	J
Di-n-octylphthalate	1700	R	220	U	200	UJ	410	UJ	1400	UJ
Benzo(b)fluoranthene	9200	J	1900		3800	J	3400		7600	J
Benzo(k)fluoranthene	5200	J	1300		2400	J	1800		6700	J
Benzo(a)pyrene	5000	J	1500		2300	J	2100		5200	J
Indeno(1,2,3-cd)pyrene	2900	J	300		520	J	520		2800	J
Dibenzo(a,h)anthracene	680	J	110	J	160	J	150	J	640	J
Benzo(g,h,i)perylene	3200	J	240		520	J	470	J	3300	J
2,3,4,6-Tetrachlorophenol	1700	U	220	U	200	U	410	U	1400	U

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	E2QR9RE		E2QS0		E2QS1		E2QS2		SBLKL8	
Sampling Location :	SDI1		SDI2		SDJ1		SDJ2			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009		5/5/2009		5/5/2009			
Time Sampled :										
%Moisture :	59		50		63		58		0	
pH :	7.9		7.4		8.3		8.2			
Dilution Factor :	3.3		1.0		1.0		20.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	2700	UJ	20000	UJ	900	UJ	460000	UJ	330	U
4-Nitrophenol	2700	U	20000	U	900	U	460000	U	330	U
Dibenzofuran	1500		9900	U	460	J	220000	J	170	U
2,4-Dinitrotoluene	1400	U	9900	U	460	U	230000	U	170	U
Diethylphthalate	1400	U	9900	U	460	U	230000	U	170	U
Fluorene	620	J	2600	J	330	J	440000		170	U
4-Chlorophenyl-phenylether	1400	U	9900	U	460	U	230000	U	170	U
4-Nitroaniline	2700	U	20000	U	900	U	460000	U	330	U
4,6-Dinitro-2-methylphenol	2700	UJ	20000	UJ	900	UJ	460000	UJ	330	U
N-Nitrosodiphenylamine	1400	U	9900	U	460	U	230000	U	170	U
1,2,4,5-Tetrachlorobenzene	1400	U	9900	U	460	U	230000	U	170	U
4-Bromophenyl-phenylether	1400	U	9900	U	460	U	230000	U	170	U
Hexachlorobenzene	1400	U	9900	U	460	U	230000	U	170	U
Atrazine	1400	U	9900	U	460	U	230000	U	170	U
Pentachlorophenol	2700	U	20000	U	900	U	460000	U	330	U
Phenanthrene	1300	J	9900	U	260	J	460000		170	U
Anthracene	770	J	9900	U	120	J	270000		170	U
Carbazole	140	J	9900	U	460	U	230000	U	170	U
Di-n-butylphthalate	1400	U	9900	U	460	U	230000	U	170	U
Fluoranthene	4400		4700	J	750		2000000		170	U
Pyrene	5900		6500	J	520		1100000		170	U
Butylbenzylphthalate	1400	U	9900	U	48	J	230000	U	170	U
3,3'-Dichlorobenzidine	1400	U	9900	U	460	U	230000	U	170	U
Benzo(a)anthracene	2700		9900	U	240	J	600000		170	U
Chrysene	3600		4700	J	350	J	630000		170	U
Bis(2-ethylhexyl)phthalate	1100	J	9900	U	260	J	230000	U	170	U
Di-n-octylphthalate	1400	R	9900	U	460	U	230000	U	170	U
Benzo(b)fluoranthene	9100	J	4300	J	400	J	700000		170	U
Benzo(k)fluoranthene	7300	J	2300	J	370	J	500000		170	U
Benzo(a)pyrene	6100	J	2300	J	310	J	540000		170	U
Indeno(1,2,3-cd)pyrene	3400	J	9900	UJ	81	J	160000	J	170	U
Dibenzo(a,h)anthracene	780	J	9900	UJ	460	UJ	45000	J	170	U
Benzo(g,h,i)perylene	3900	J	9900	UJ	86	J	130000	J	170	U
2,3,4,6-Tetrachlorophenol	1400	U	9900	U	460	U	230000	U	170	U

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QR9RE		E2QS0		E2QS1		E2QS2		SBLKL8	
Sampling Location :	SDI1		SDI2		SDJ1		SDJ2			
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009		5/5/2009		5/5/2009			
Time Sampled :										
%Moisture :	59		50		63		58		0	
pH :	7.9		7.4		8.3		8.2			
Dilution Factor :	3.3		1.0		1.0		20.0		1.0	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	1400	U	9900	U	460	U	230000	U	170	U
Phenol	1400	U	9900	U	460	U	230000	U	170	U
Bis(2-chloroethyl)ether	1400	U	9900	U	460	U	230000	U	170	U
2-Chlorophenol	1400	U	9900	U	460	U	230000	U	170	U
2-Methylphenol	1400	U	9900	U	460	U	230000	U	170	U
2,2'-Oxybis(1-chloropropane)	1400	U	9900	U	460	U	230000	U	170	U
Acetophenone	1400	U	9900	U	460	U	230000	U	170	U
4-Methylphenol	1400	U	9900	U	460	U	230000	U	170	U
N-Nitroso-di-n-propylamine	1400	U	9900	U	460	U	230000	U	170	U
Hexachloroethane	1400	U	9900	U	460	U	230000	U	170	U
Nitrobenzene	1400	U	9900	U	460	U	230000	U	170	U
Isophorone	1400	U	9900	U	460	U	230000	U	170	U
2-Nitrophenol	1400	U	9900	U	460	U	230000	U	170	U
2,4-Dimethylphenol	1400	U	9900	U	460	U	230000	U	170	U
Bis(2-chloroethoxy)methane	1400	U	9900	U	460	U	230000	U	170	U
2,4-Dichlorophenol	1400	U	9900	U	460	U	230000	U	170	U
Naphthalene	760	J	9900	U	52	J	230000	U	170	U
4-Chloroaniline	1000	J	9900	U	460	U	230000	U	170	U
Hexachlorobutadiene	1400	U	9900	U	460	U	230000	U	170	U
Caprolactam	1400	U	9900	U	460	U	230000	U	170	U
4-Chloro-3-Methylphenol	1400	U	9900	U	460	U	230000	U	170	U
2-Methylnaphthalene	920	J	9900	U	52	J	230000	U	170	U
Hexachlorocyclopentadiene	1400	UJ	9900	R	460	R	230000	R	170	U
2,4,6-Trichlorophenol	1400	U	9900	U	460	U	230000	U	170	U
2,4,5-Trichlorophenol	1400	U	9900	U	460	U	230000	U	170	U
1,1'-Biphenyl	590	J	9900	U	460	U	230000	U	170	U
2-Chloronaphthalene	1400	U	9900	U	460	U	230000	U	170	U
2-Nitroaniline	2700	U	20000	U	900	U	460000	U	330	U
Dimethylphthalate	1400	U	9900	U	460	U	230000	U	170	U
2,6-Dinitrotoluene	1400	U	9900	U	460	U	230000	U	170	U
Acenaphthylene	1300	J	9900	U	460	U	230000	U	170	U
3-Nitroaniline	2700	U	20000	U	900	U	460000	U	330	U
Acenaphthene	490	J	1700	J	1800		480000		170	U

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	SBLKM4		SBLKO1							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :										
Time Sampled :										
%Moisture :	0		0							
pH :										
Dilution Factor :	1.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Benzaldehyde	4800	U	170	U						
Phenol	4800	U	170	U						
Bis(2-chloroethyl)ether	4800	U	170	U						
2-Chlorophenol	4800	U	170	U						
2-Methylphenol	4800	U	170	U						
2,2'-Oxybis(1-chloropropane)	4800	U	170	U						
Acetophenone	4800	U	170	U						
4-Methylphenol	4800	U	170	U						
N-Nitroso-di-n-propylamine	4800	U	170	U						
Hexachloroethane	4800	U	170	U						
Nitrobenzene	4800	U	170	U						
Isophorone	4800	U	170	U						
2-Nitrophenol	4800	U	170	U						
2,4-Dimethylphenol	4800	U	170	U						
Bis(2-chloroethoxy)methane	4800	U	170	U						
2,4-Dichlorophenol	4800	U	170	U						
Naphthalene	4800	U	170	U						
4-Chloroaniline	4800	U	170	U						
Hexachlorobutadiene	4800	U	170	U						
Caprolactam	4800	U	170	U						
4-Chloro-3-Methylphenol	4800	U	170	U						
2-Methylnaphthalene	4800	U	170	U						
Hexachlorocyclopentadiene	4800	R	170	UJ						
2,4,6-Trichlorophenol	4800	U	170	U						
2,4,5-Trichlorophenol	4800	U	170	U						
1,1'-Biphenyl	4800	U	170	U						
2-Chloronaphthalene	4800	U	170	U						
2-Nitroaniline	9500	U	330	U						
Dimethylphthalate	4800	U	170	U						
2,6-Dinitrotoluene	4800	U	170	U						
Acenaphthylene	4800	U	170	U						
3-Nitroaniline	9500	U	330	U						
Acenaphthene	4800	U	170	U						

Analytical Results (Qualified Data)

Case #: 38525
Site :
Lab. :
Reviewer :
Date :

SDG : E2QQ1
GARY DEV CO INC
STLV

Sample Number :	SBLKM4		SBLKO1							
Sampling Location :										
Matrix :	Soil		Soil							
Units :	ug/Kg		ug/Kg							
Date Sampled :										
Time Sampled :										
%Moisture :	0		0							
pH :										
Dilution Factor :	1.0		1.0							
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-Dinitrophenol	9500	UJ	330	UJ						
4-Nitrophenol	9500	U	330	U						
Dibenzofuran	4800	U	170	U						
2,4-Dinitrotoluene	4800	U	170	U						
Diethylphthalate	4800	U	170	U						
Fluorene	4800	U	170	U						
4-Chlorophenyl-phenylether	4800	U	170	U						
4-Nitroaniline	9500	U	330	U						
4,6-Dinitro-2-methylphenol	9500	UJ	330	UJ						
N-Nitrosodiphenylamine	4800	U	170	U						
1,2,4,5-Tetrachlorobenzene	4800	U	170	U						
4-Bromophenyl-phenylether	4800	U	170	U						
Hexachlorobenzene	4800	U	170	U						
Atrazine	4800	U	170	U						
Pentachlorophenol	9500	U	330	U						
Phenanthrene	4800	U	170	U						
Anthracene	4800	U	170	U						
Carbazole	4800	U	170	U						
Di-n-butylphthalate	4800	U	170	U						
Fluoranthene	4800	U	170	U						
Pyrene	4800	U	170	U						
Butylbenzylphthalate	4800	U	170	U						
3,3'-Dichlorobenzidine	4800	U	170	U						
Benzo(a)anthracene	4800	U	170	U						
Chrysene	4800	U	170	U						
Bis(2-ethylhexyl)phthalate	4800	U	19	J						
Di-n-octylphthalate	4800	U	170	UJ						
Benzo(b)fluoranthene	4800	U	170	U						
Benzo(k)fluoranthene	4800	U	170	U						
Benzo(a)pyrene	4800	U	170	U						
Indeno(1,2,3-cd)pyrene	4800	UJ	170	U						
Dibenzo(a,h)anthracene	4800	UJ	170	U						
Benzo(g,h,i)perylene	4800	UJ	170	UJ						
2,3,4,6-Tetrachlorophenol	4800	U	170	U						

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Number of Soil Samples : 20
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	E2QQ1		E2QQ1MS		E2QQ1MSD		E2QQ2		E2QQ3	
Sampling Location :	SDA1		SDA1		SDA1		SDA2		SDB1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009						5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	68		68		68		71		79	
pH :	6.9		6.9		6.9		7.0		7.2	
Dilution Factor :	2.0		5.0		5.0		2.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	11	U	27	U	27	U	17	J	8.0	UJ
beta-BHC	11	U	27	U	27	U	24	UJ	8.0	UJ
delta-BHC	11	U	27	U	27	U	24	UJ	8.0	UJ
gamma-BHC (Lindane)	6.5	J	39		29		19	J	8.0	UJ
Heptachlor	17	J	80		54		57	J	8.0	UJ
Aldrin	38	J	25	J	23	J	91	J	8.0	UJ
Heptachlor epoxide	11	UJ	27	U	27	U	190	J	8.5	J
Endosulfan I	9.0	J	18	J	27	U	23	J	8.0	UJ
Dieldrin	16	J	78		74		41	J	15	UJ
4,4'-DDE	21	J	47	J	27	J	75	J	150	J
Endrin	21	U	56		57		25	J	15	UJ
Endosulfan II	21	U	52	U	52	U	85	J	15	UJ
4,4'-DDD	51		96		57		96	J	160	J
Endosulfan sulfate	34	J	52	J	31	J	59	J	15	UJ
4,4'-DDT	34	J	88	J	75	J	69	J	57	J
Methoxychlor	63	J	270	U	270	U	180	J	80	UJ
Endrin ketone	22	J	36	J	52	U	55	J	15	UJ
Endrin aldehyde	18	J	29	J	52	U	67	J	15	UJ
alpha-Chlordane	6.1	J	27	U	27	U	16	J	4.2	J
gamma-Chlordane	32	J	57	J	44	J	120	J	8.0	UJ
Toxaphene	1100	U	2700	U	2700	U	2400	UJ	800	UJ

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QQ4		E2QQ5		E2QQ6		E2QQ7		E2QQ8	
Sampling Location :	SDB2		SDC1		SDC2		SDD1		SDD2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	69		58		61		78		80	
pH :	7.7		7.1		7.3		6.9		7.0	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
beta-BHC	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
delta-BHC	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
gamma-BHC (Lindane)	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
Heptachlor	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
Aldrin	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
Heptachlor epoxide	3.4	J	4.1	U	4.3	U	7.7	UJ	8.4	UJ
Endosulfan I	5.5	U	4.1	U	4.3	U	7.7	UJ	8.4	UJ
Dieldrin	11	U	7.9	U	8.3	U	15	UJ	16	UJ
4,4'-DDE	53		7.9	U	8.3	U	15	UJ	16	UJ
Endrin	11	U	7.9	U	8.3	U	15	UJ	16	UJ
Endosulfan II	11	U	7.9	U	8.3	U	15	UJ	16	UJ
4,4'-DDD	100		7.9	U	8.3	U	15	UJ	16	UJ
Endosulfan sulfate	11	U	7.9	U	4.5	J	15	UJ	16	UJ
4,4'-DDT	26		7.9	U	8.3	U	15	UJ	16	UJ
Methoxychlor	55	U	41	U	43	U	77	UJ	84	UJ
Endrin ketone	11	U	7.9	U	4.4	J	15	UJ	16	UJ
Endrin aldehyde	11	U	7.9	U	5.4	J	15	UJ	16	UJ
alpha-Chlordane	5.5	U	4.1	U	4.3	J	7.7	UJ	8.4	UJ
gamma-Chlordane	5.5	U	4.8	J	3.5	J	7.7	UJ	8.4	UJ
Toxaphene	550	U	410	U	430	U	770	UJ	840	UJ

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QR1		E2QR2		E2QR3		E2QR4		E2QR5	
Sampling Location :	SDE1		SDE2		SDF1		SDF2		SDG1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	67		65		68		70		29	
pH :	7.4		7.3		7.4		7.3		7.8	
Dilution Factor :	3.0		3.0		10.0		5.0		1.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	16	U	15	U	54	U	28	UJ	2.4	U
beta-BHC	15	J	11	J	52	J	28	UJ	2.4	U
delta-BHC	12	J	10	J	260	J	190	J	2.4	U
gamma-BHC (Lindane)	16	U	15	U	54	U	20	J	2.4	U
Heptachlor	16	U	15	U	88	J	65	J	2.4	U
Aldrin	16	U	46	J	240	J	200	J	2.4	U
Heptachlor epoxide	20	J	17	J	250	J	190	J	2.4	U
Endosulfan I	12	J	10	J	38	J	31	J	2.4	U
Dieldrin	30	U	29	U	61	J	49	J	4.6	U
4,4'-DDE	73		29	U	63	J	52	J	4.6	U
Endrin	30	U	29	U	100	U	55	UJ	4.6	U
Endosulfan II	30	U	29	U	100	U	55	UJ	4.6	U
4,4'-DDD	30	U	29	U	55	J	47	J	4.6	U
Endosulfan sulfate	30	U	29	U	100	U	55	UJ	4.6	U
4,4'-DDT	52		21	J	76	J	60	J	4.6	U
Methoxychlor	160	U	150	U	540	U	280	UJ	24	U
Endrin ketone	30	U	29	U	100	U	34	J	4.6	U
Endrin aldehyde	30	U	29	U	100	U	55	UJ	4.6	U
alpha-Chlordane	16	U	15	U	28	J	23	J	2.4	U
gamma-Chlordane	52	J	15	U	160	J	120	J	2.4	U
Toxaphene	1600	U	1500	U	5400	U	2800	UJ	240	U

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QR6		E2QR7		E2QR8		E2QR9		E2QS0	
Sampling Location :	SDG2		SDH1		SDH2		SDI1		SDI2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	51		23		17		59		50	
pH :	7.3		8.1		8.9		7.9		8.3	
Dilution Factor :	5.0		1.0		3.0		3.0		10.0	
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	18	U	2.2	U	4.1	J	12	U	67	U
beta-BHC	19	J	2.2	U	6.2	U	39	J	67	U
delta-BHC	150	J	2.2	U	6.2	U	95	J	67	U
gamma-BHC (Lindane)	9.9	J	2.2	U	6.2	U	13	J	67	U
Heptachlor	54	J	2.2	U	6.2	U	32	J	67	U
Aldrin	88	J	2.2	U	6.2	U	170	J	67	U
Heptachlor epoxide	140	J	2.2	U	6.2	U	160	J	67	U
Endosulfan I	14	J	2.2	U	6.2	U	28	J	67	U
Dieldrin	24	J	4.2	U	12	U	41	J	130	U
4,4'-DDE	22	J	4.2	U	12	U	44	J	67	J
Endrin	34	U	4.2	U	12	U	24	U	130	U
Endosulfan II	34	U	4.2	U	12	U	24	U	130	U
4,4'-DDD	25	J	4.2	U	12	U	87	J	160	
Endosulfan sulfate	34	U	4.2	U	12	U	24	U	130	U
4,4'-DDT	27	J	4.2	J	7.7	J	54	J	130	U
Methoxychlor	180	U	22	U	62	U	120	U	670	U
Endrin ketone	34	U	4.2	U	7.0	J	23	J	130	U
Endrin aldehyde	34	U	4.2	U	6.3	J	12	J	130	U
alpha-Chlordane	19	J	2.2	U	4.9	J	21	J	67	U
gamma-Chlordane	59	J	2.2	U	4.7	J	140	J	67	U
Toxaphene	1800	U	220	U	620	U	1200	U	6700	U

Case Number: 38525
Site Name: Gary Development Company (IN)

SDG Number: E2QQ1
Laboratory: Test America Burlington

The following pesticide matrix spike/matrix spike duplicate samples have percent recoveries that are greater than or equal to the lower expanded criteria limit (10%) but less than the lower primary criteria limit. Detected Gamma-BHC (Lindane) in the unspiked sample, E2QQ1, is qualified "J".

E2QQ1MSD
Gamma-BHC (Lindane)

The following pesticide matrix spike/matrix spike duplicate samples have percent recoveries that are less than the lower expanded criteria limit. Detected Aldrin in the unspiked sample, E2QQ1, is qualified "J".

E2QQ1MS, E2QQ1MSD
Aldrin

The relative percent difference (RPD) between the following aroclor matrix spike and matrix spike duplicate recoveries is outside criteria. Detected Aroclor-1260 in the unspiked sample, E2QQ1, is qualified "J".

E2QQ1MS, E2QQ1MSD
Aroclor-1260

The following aroclor matrix spike/matrix spike duplicate samples have percent recoveries that are less than the lower expanded criteria limit. Detected Aroclor-1260 in the unspiked sample, E2QQ1, is qualified "J". Non-detected Aroclor-1016 in the unspiked sample, E2QQ1, is qualified "R".

E2QQ1MS
Aroclor-1016, Aroclor-1260

E2QQ1MSD
Aroclor-1016

6B. LABORATORY CONTROL SAMPLE

No problems were found.

7. FIELD BLANK AND FIELD DUPLICATE

No samples were identified as field blanks or field duplicates. Results are not qualified based upon the results of the field duplicates.

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QS1		E2QS2		PBLKO7					
Sampling Location :	SDJ1		SDJ2							
Matrix :	Soil		Soil		Soil					
Units :	ug/Kg		ug/Kg		ug/Kg					
Date Sampled :	5/5/2009		5/5/2009							
Time Sampled :										
%Moisture :	63		58		0					
pH :	8.3		8.2							
Dilution Factor :	1.0		10.0		1.0					
Pesticide Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
alpha-BHC	4.6	U	40	U	1.7	U				
beta-BHC	4.6	U	40	U	1.7	U				
delta-BHC	4.6	U	450		1.7	U				
gamma-BHC (Lindane)	4.6	U	22	J	1.7	U				
Heptachlor	4.6	U	200	J	1.7	U				
Aldrin	4.6	U	180	J	1.7	U				
Heptachlor epoxide	4.6	U	330	J	1.7	U				
Endosulfan I	4.6	U	40	U	1.7	U				
Dieldrin	9.0	U	52	J	3.3	U				
4,4'-DDE	9.0	U	43	J	3.3	U				
Endrin	9.0	U	78	U	3.3	U				
Endosulfan II	9.0	U	78	U	3.3	U				
4,4'-DDD	9.0	U	89		3.3	U				
Endosulfan sulfate	9.0	U	82	J	3.3	U				
4,4'-DDT	9.0	U	100		3.3	U				
Methoxychlor	46	U	400	U	17	U				
Endrin ketone	9.0	U	110	J	3.3	U				
Endrin aldehyde	9.0	U	48	J	3.3	U				
alpha-Chlordane	4.6	U	26	J	1.7	U				
gamma-Chlordane	3.4	J	110	J	1.7	U				
Toxaphene	460	U	4000	U	170	U				

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Number of Soil Samples : 20
Number of Water Samples : 0
Number of Sediment Samples : 0

Sample Number :	ABLKQ3		E2QQ1		E2QQ1MS		E2QQ1MSD		E2QQ2	
Sampling Location :			SDA1		SDA1		SDA1		SDA2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :			5/5/2009						5/5/2009	
Time Sampled :										
%Moisture :	0		68		68		68		71	
pH :			6.9		6.9		6.9		7.0	
Dilution Factor :	1.0		30.0		30.0		30.0		30.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	33	U	3100	R	3100	U	3100	U	3400	UJ
Aroclor-1221	33	U	3100	U	3100	U	3100	U	3400	UJ
Aroclor-1232	33	U	3100	U	3100	U	3100	U	3400	UJ
Aroclor-1242	33	U	3100	U	3100	U	3100	U	3400	UJ
Aroclor-1248	33	U	21000		21000		28000		25000	J
Aroclor-1254	33	U	11000		11000		13000		12000	J
Aroclor-1260	33	U	1400	J	1400	J	1700	J	1100	J
Aroclor-1262	33	U	3100	U	3100	U	3100	U	3400	UJ
Aroclor-1268	33	U	3100	U	3100	U	3100	U	3400	UJ

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QQ3		E2QQ4		E2QQ5		E2QQ6		E2QQ7	
Sampling Location :	SDB1		SDB2		SDC1		SDC2		SDD1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	79		69		58		61		78	
pH :	7.2		7.7		7.1		7.3		6.9	
Dilution Factor :	1.0		1.0		1.0		1.0		1.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	160	UJ	110	U	79	U	84	UJ	150	UJ
Aroclor-1221	160	UJ	110	U	79	U	84	UJ	150	UJ
Aroclor-1232	160	UJ	110	U	79	U	84	UJ	150	UJ
Aroclor-1242	160	UJ	110	U	79	U	84	UJ	150	UJ
Aroclor-1248	110	J	97	J	32	J	84	UJ	98	J
Aroclor-1254	250	J	200		170	J	84	UJ	210	J
Aroclor-1260	91	J	57	J	34	J	84	UJ	37	J
Aroclor-1262	160	UJ	110	U	79	U	84	UJ	150	UJ
Aroclor-1268	160	UJ	110	U	79	U	84	UJ	150	UJ

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QQ8		E2QR1		E2QR2		E2QR3		E2QR4	
Sampling Location :	SDD2		SDE1		SDE2		SDF1		SDF2	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	80		67		65		68		70	
pH :	7.0		7.4		7.3		7.4		7.3	
Dilution Factor :	1.0		5.0		5.0		50.0		50.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	160	UJ	500	U	470	U	5100	U	5500	UJ
Aroclor-1221	160	UJ	500	U	470	U	5100	U	5500	UJ
Aroclor-1232	160	UJ	500	U	470	U	5100	U	5500	UJ
Aroclor-1242	160	UJ	500	U	470	U	5100	U	5500	UJ
Aroclor-1248	160	UJ	1100	J	1100	J	32000		38000	J
Aroclor-1254	97	J	4000		4200		18000		20000	J
Aroclor-1260	160	UJ	390	J	400	J	1800	J	2200	J
Aroclor-1262	160	UJ	500	U	470	U	5100	U	5500	UJ
Aroclor-1268	160	UJ	500	U	470	U	5100	U	5500	UJ

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QR5		E2QR6		E2QR7		E2QR8		E2QR9	
Sampling Location :	SDG1		SDG2		SDH1		SDH2		SDI1	
Matrix :	Soil		Soil		Soil		Soil		Soil	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	5/5/2009		5/5/2009		5/5/2009		5/5/2009		5/5/2009	
Time Sampled :										
%Moisture :	29		51		23		17		59	
pH :	7.8		7.3		8.1		8.9		7.9	
Dilution Factor :	1.0		50.0		1.0		1.0		30.0	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	46	U	3300	U	43	U	39	U	2400	U
Aroclor-1221	46	U	3300	U	43	U	39	U	2400	U
Aroclor-1232	46	U	3300	U	43	U	39	U	2400	U
Aroclor-1242	46	U	3300	U	43	U	39	U	2400	U
Aroclor-1248	32	J	38000		32	J	72		9500	J
Aroclor-1254	34	J	16000		49	J	60	J	26000	
Aroclor-1260	11	J	1100	J	32	J	110	J	1700	J
Aroclor-1262	46	U	3300	U	43	U	39	U	2400	U
Aroclor-1268	46	U	3300	U	43	U	39	U	2400	U

Analytical Results (Qualified Data)

Case #: 38525 SDG : E2QQ1
Site : GARY DEV CO INC
Lab. : STLV
Reviewer :
Date :

Sample Number :	E2QS0		E2QS1		E2QS2					
Sampling Location :	SDI2		SDJ1		SDJ2					
Matrix :	Soil		Soil		Soil					
Units :	ug/Kg		ug/Kg		ug/Kg					
Date Sampled :	5/5/2009		5/5/2009		5/5/2009					
Time Sampled :										
%Moisture :	50		63		58					
pH :	7.4		8.3		8.2					
Dilution Factor :	10.0		1.0		500.0					
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
Aroclor-1016	650	U	89	U	39000	U				
Aroclor-1221	650	U	89	U	39000	U				
Aroclor-1232	650	U	89	U	39000	U				
Aroclor-1242	650	U	89	U	39000	U				
Aroclor-1248	650	U	200		230000					
Aroclor-1254	650	U	240		71000	J				
Aroclor-1260	650	U	26	J	6600	J				
Aroclor-1262	650	U	89	U	39000	U				
Aroclor-1268	650	U	89	U	39000	U				

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1 Location=SDA1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
	Unknown_01	13.5	9700		J
	Unknown_02	14.02	9100		J
22511-92-8	Androstane, (5.alpha.,14.beta.)-	14.1	6900		NJ
	Unknown_03	14.24	18000		J
	Unknown_04	14.37	19000		J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.52	36000		NJ
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	14.78	20000		NJ
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	15.18	30000		NJ
	Unknown_05	15.26	13000		J
	Unknown_06	15.46	12000		J
	Unknown_07	15.55	26000		J
	Unknown_08	15.61	37000		J
	Unknown_09	15.73	9200		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.8	16000		NJ
	Unknown_10	15.82	19000		J
	Unknown_11	16.07	20000		J
	Unknown_12	16.75	12000		J
	Unknown_13	17.05	14000		J
	Unknown_14	17.09	25000		J
	Unknown_15	17.41	61000		J
	Unknown_16	17.77	93000		J
601-58-1	Stigmastane	17.88	55000		NJ
	Unknown_17	17.92	25000		J
	Unknown_18	17.96	26000		J
	Unknown_19	18.29	24000		J
	Unknown_20	18.44	42000		J
601-58-1	Stigmastane	18.53	70000		NJ

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1 Location=SDA1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
36728-72-0	28-Nor-17.beta.(H)-hopane	18.89	26000		NJ
	Unknown_21	19.33	50000		J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration ug/kg	Lab Qualifier
	Unknown_01	13.43	9400	J
74810-41-6	Cyclohexane, (2-ethyl-1-methylbutylidene	13.58	8000	NJ
24887-75-0	Androstane	13.74	8100	NJ
	Unknown_02	13.81	7100	J
	Unknown_03	13.96	8500	J
	Unknown_04	14.18	17000	J
	Unknown_05	14.3	18000	J
	Unknown_06	14.42	10000	J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	36000	NJ
641-85-0	Allopregnane	14.71	8800	NJ
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	15.12	22000	NJ
	Unknown_07	15.21	14000	J
1000285-40-	.beta.-iso-Methyl ionone	15.49	19000	NJ
	Unknown_08	15.57	27000	J
	Unknown_09	15.66	5700	J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	13000	NJ
	Unknown_10	15.76	14000	J
	Unknown_11	15.96	6700	J
	Unknown_12	16.03	19000	J
	Unknown_13	16.69	5700	J
481-21-0	Cholestane	16.99	10000	NJ
	Unknown_14	17.03	19000	J
	Unknown_15	17.35	32000	J
601-58-1	Stigmastane	17.82	31000	NJ
	Unknown_16	17.86	10000	J
	Unknown_17	18.04	15000	J
	Unknown_18	18.37	23000	J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
601-58-1	Stigmastane	18.46	30000	NJ
	Unknown_19	19.23	23000	J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2 Location=SDA2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
62108-26-3	Decane, 2,6,8-trimethyl-	11.71	50000	ug/kg	NJ
2156-97-0	Dodecyl acrylate	12.00	25000		NJB
6975-98-0	Decane, 2-methyl-	12.07	63000		NJ
	Unknown_01	12.6	22000		J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.69	64000		NJ
14237-73-1	2-Hexadecene, 3,7,11,15-tetramethyl-, [R	12.99	14000		NJ
26429-11-8	Heptadecane, 4-methyl-	13.18	39000		NJ
7372-88-5	Dibenzothiophene, 4-methyl-	13.23	29000		NJ
	Unknown_02	13.5	31000		J
2531-84-2	Phenanthrene, 2-methyl-	13.64	32000		NJ
646-31-1	Tetracosane	13.67	26000		NJ
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	13.79	36000		NJ
1560-92-5	Hexadecane, 2-methyl-	13.87	34000		NJ
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	14.06	32000		NJ
3892-00-0	Pentadecane, 2,6,10-trimethyl-	14.16	59000		NJ
781-43-1	9,10-Dimethylanthracene	14.22	43000		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	14.45	62000		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.52	70000		NJ
1000256-99-	5(10H)-Pyrido[3,4-b]quinolone, 7-methoxy	14.59	61000		NJ
	Unknown_03	14.65	25000		J
1000132-20-	1-Penten-3-one, 4-methyl-1-[2,6,6-trimet	14.85	43000		NJ
	Unknown_04	14.89	34000		J
629-78-7	Heptadecane	14.97	110000		NJ
629-78-7	Heptadecane	15.09	96000		NJ
481-26-5	Pregnane	15.18	96000		NJ
	Unknown_05	15.31	44000		J
544-77-4	Hexadecane, 1-iodo-	15.35	55000		NJ
629-78-7	Heptadecane	15.47	83000		NJ
	Unknown_06	15.55	110000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2 Location=SDA2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_07	15.74	49000	J
	Unknown_08	16	68000	J
14905-56-7	Tetradecane, 2,6,10-trimethyl-	16.06	52000	NJ
593-45-3	Octadecane	16.18	92000	NJ
	Unknown_09	16.31	26000	J
1560-86-7	Nonadecane, 2-methyl-	16.4	41000	NJ
	Unknown_10	16.44	31000	J
646-31-1	Tetracosane	16.61	23000	NJ
	Unknown_11	16.75	56000	J
62016-79-9	Heptacosane, 1-chloro-	16.83	38000	NJ
	Unknown_12	17.05	32000	J
	Unknown_13	17.71	120000	J
	Unknown_14	17.87	85000	J
601-58-1	Stigmastane	18.53	72000	NJ
601-53-6	Cholestan-3-one, (5.beta.)-	19.09	38000	NJ
	Unknown_15	19.32	48000	J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2RE Location=No_TR_data Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
55045-11-9	Tridecane, 5-propyl-	11.66	37000	ug/kg	NJ
2156-97-0	Dodecyl acrylate	11.94	32000		NJB
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.02	72000		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.65	72000		NJ
	Unknown_01	12.95	15000		J
544-76-3	Hexadecane	13.12	40000		NJ
	Unknown_02	13.44	34000		J
107426-38-0	Naphtho[2,3-b]norbornadiene	13.58	31000		NJ
1207-15-4	2,8-Dimethyldibenzo(b,d)thiophene	13.74	32000		NJ
629-92-5	Nonadecane	13.81	39000		NJ
	Unknown_03	13.96	37000		J
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	14	35000		NJ
638-67-5	Tricosane	14.12	63000		NJ
3674-69-9	Phenanthrene, 4,5-dimethyl-	14.17	49000		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	14.4	89000		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	52000		NJ
74630-83-4	1-Propene-2-thiol, 1,1-diphenyl-	14.55	68000		NJ
7098-22-8	Tetratetracontane	14.59	35000		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.79	50000		NJ
629-92-5	Nonadecane	14.84	46000		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.92	94000		NJ
593-45-3	Octadecane	15.04	130000		NJ
641-85-0	Allopregnane	15.12	58000		NJ
	Unknown_04	15.27	70000		J
593-45-3	Octadecane	15.31	70000		NJ
629-78-7	Heptadecane	15.42	120000		NJ
	Unknown_05	15.49	120000		J
	Unknown_06	15.62	34000		J
593-45-3	Octadecane	15.69	61000		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2RE Location=No_TR_data Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	47000		NJ
112-95-8	Eicosane	15.78	37000		NJ
	Unknown_07	15.94	100000		J
629-94-7	Heneicosane	16.02	51000		NJ
629-94-7	Heneicosane	16.12	200000		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	16.36	65000		NJ
	Unknown_08	16.39	56000		J
24964-07-6	Benzo[b]naphtho[2,3-d]thiophene, 8-methy	16.43	45000		NJ
	Unknown_09	16.69	51000		J
77536-31-3	Docosane, 2,21-dimethyl-	16.78	35000		NJ
481-20-9	Coprostane	16.99	35000		NJ
	Unknown_10	17.04	38000		J
	Unknown_11	17.65	140000		J
601-58-1	Stigmastane	17.81	94000		NJ
	Unknown_12	18.05	35000		J
601-58-1	Stigmastane	18.46	60000		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.81	39000		NJ
15600-08-5	Cholestan-3-one	19.02	45000		NJ
1000197-08-	1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	19.24	38000		NJ
1000210-43-	Cholestan-2-one	19.28	37000		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ3 Location=SDB1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
107-92-6	Butanoic acid	3.48	440	ug/kg	NJ
625-27-4	2-Pentene, 2-methyl-	3.66	1100		NJ
4461-48-7	2-Pentene, 4-methyl-	4.13	690		NJ
	Unknown_01	11.09	370		J
18633-25-5	Oxirane, tridecyl-	14.95	420		NJ
7225-64-1	Heptadecane, 9-octyl-	15.28	360		NJ
	Unknown_02	15.9	320		J
1000309-12-	Sulfurous acid, octadecyl 2-propyl ester	16.18	760		NJ
593-45-3	Octadecane	17.01	960		NJ
629-78-7	Heptadecane	17.79	930		NJ
593-45-3	Octadecane	18.62	710		NJ
53584-60-4	28-Nor-17.alpha.(H)-hopane	18.93	530		NJ
7494-34-0	26-Nor-5-cholesten-3.beta.-ol-25-one	19.13	810		NJ
80-97-7	Cholestanol	19.2	660		NJ
	Unknown_03	19.38	860		J
474-62-4	Campesterol	19.75	1700		NJ
83-48-7	Stigmasterol	19.94	1800		NJ
6538-02-9	Ergostanol	20.05	1600		NJ
83-46-5	.beta.-Sitosterol	20.32	6400		NJ
19466-47-8	Stigmastanol	20.4	2300		NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.46	1100		NJ
	Unknown_04	20.56	640		J
	Unknown_05	20.72	1700		J
	Unknown_06	20.88	740		J
1058-61-3	Stigmast-4-en-3-one	21.35	1700		NJ
	Unknown_07	22.02	630		J
	Unknown_08	22.27	400		J
	Unknown_09	22.68	320		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ3RX Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
141-79-7	3-Penten-2-one, 4-methyl-	3.6	650	ug/kg	NJA
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.24	41000		NJAB
	Unknown_02	10.98	500		J
629-78-7	Heptadecane	14.21	500		NJ
1000144-57-	16-Heptadecenal	14.86	900		NJ
243-17-4	11H-Benzo[b]fluorene	15.09	440		NJ
13287-24-6	Nonadecane, 9-methyl-	15.19	990		NJ
638-66-4	Octadecanal	15.8	740		NJ
35599-77-0	Tridecane, 1-iodo-	16.08	2200		NJ
53057-53-7	1,21-Docosadiene	16.68	670		NJ
629-78-7	Heptadecane	16.91	1900		NJ
	Unknown_03	16.96	1300		J
630-02-4	Octacosane	17.31	900		NJ
	Unknown_04	17.45	610		J
7683-64-9	Squalene	17.48	1500		NJ
630-02-4	Octacosane	17.69	2800		NJ
1000164-49-	Bacteriochlorophyll-c-stearyl	17.75	820		NJ
629-66-3	2-Nonadecanone	17.79	970		NJ
55255-70-4	Anthracene, 9-cyclohexyltetradecahydro-	18.21	940		NJ
	Unknown_05	18.28	720		J
601-58-1	Stigmastane	18.36	580		NJ
	Unknown_06	18.45	700		J
630-02-4	Octacosane	18.5	1600		NJ
	Unknown_07	18.64	1900		J
	Unknown_08	18.8	950		J
	Unknown_09	18.83	1800		J
	Unknown_10	19.23	1000		J
474-62-4	Campesterol	19.6	560		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ3RX Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_11	19.8	950		J
	Unknown_12	19.92	2100		J
83-46-5	.beta.-Sitosterol	20.16	4400		NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.27	3000		NJ
	Unknown_13	20.35	750		J
	Unknown_14	20.52	1600		J
	Unknown_15	20.67	620		J
1058-61-3	Stigmast-4-en-3-one	21.13	1400		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ4 Location=SDB2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
79-09-4	Propanoic acid	2.54	4600	ug/kg	NJ
79-31-2	Propanoic acid, 2-methyl-	3.42	3400		NJ
3404-73-7	1-Pentene, 3,3-dimethyl-	3.62	1900		NJ
107-92-6	Butanoic acid	4.07	16000		NJ
503-74-2	Butanoic acid, 3-methyl-	4.45	930		NJ
116-53-0	Butanoic acid, 2-methyl-	4.63	1600		NJ
109-52-4	Pentanoic acid	4.95	1100		NJ
	Unknown_01	11.04	920		J
57-10-3	n-Hexadecanoic acid	13.52	800		NJ
7390-81-0	Oxirane, hexadecyl-	14.9	1200		NJ
1000130-97-	E-15-Heptadecenal	15.23	1500		NJ
7320-37-8	Oxirane, tetradecyl-	15.84	860		NJ
1599-67-3	1-Docosene	16.13	3100		NJ
638-66-4	Octadecanal	16.72	730		NJ
629-78-7	Heptadecane	16.96	1600		NJ
	Unknown_02	17.01	1400		J
629-62-9	Pentadecane	17.35	990		NJ
41702-60-7	1,7-Octadien-3-one, 2-methyl-6-methylene	17.49	740		NJ
7683-64-9	Squalene	17.53	1200		NJ
646-31-1	Tetracosane	17.73	2500		NJ
601-58-1	Stigmastane	17.85	930		NJ
601-58-1	Stigmastane	18.42	760		NJ
630-02-4	Octacosane	18.55	1200		NJ
	Unknown_03	18.69	820		J
	Unknown_04	19.3	1100		J
474-62-4	Campesterol	19.67	1200		NJ
83-48-7	Stigmasterol	19.86	2400		NJ
1000252-39-	17,20-Isocholest-5-en-3.beta.,16,26-trio	19.99	3000		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ4 Location=SDB2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
1000214-20-	Stigmasterol, 22,23-dihydro-	20.23	11000		NJ
19466-47-8	Stigmastanol	20.32	6100		NJ
	Unknown_05	20.61	2700		J
1058-61-3	Stigmast-4-en-3-one	21.23	1700		NJ
	Unknown_06	22.12	680		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ5 Location=SDC1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
3404-73-7	1-Pentene, 3,3-dimethyl-	3.62	930	ug/kg	NJ
563-79-1	2-Butene, 2,3-dimethyl-	4.13	530		NJ
629-78-7	Heptadecane	12.02	200		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.06	270		NJ
	Unknown_01	13.43	390		J
57-10-3	n-Hexadecanoic acid	13.52	260		NJ
112-95-8	Eicosane	13.73	260		NJ
	Unknown_02	13.78	220		J
1000293-16-	18-Norabietane	13.85	490		NJ
	Unknown_03	14.23	230		J
544-76-3	Hexadecane	14.26	290		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.49	210		NJ
638-66-4	Octadecanal	14.91	830		NJ
2381-21-7	Pyrene, 1-methyl-	15.15	270		NJ
544-76-3	Hexadecane	15.23	960		NJ
67860-04-2	Oxirane, heptadecyl-	15.85	700		NJ
1000309-38-	Oxalic acid, isobutyl octadecyl ester	16.13	1200		NJ
57866-08-7	Tetracosanal	16.71	200		NJ
593-45-3	Octadecane	16.96	570		NJ
	Unknown_04	17.06	470		J
544-76-3	Hexadecane	17.35	420		NJ
75581-03-2	2,6,10,14,18-Pentamethyl-2,6,10,14,18-ei	17.52	680		NJ
630-03-5	Nonacosane	17.74	1100		NJ
205-82-3	Benzo(j)fluoranthene	17.78	930		NJ
601-58-1	Stigmastane	17.85	510		NJ
	Unknown_05	18.25	540		J
	Unknown_06	18.42	790		J
	Unknown_07	18.51	630		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ5 Location=SDC1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
112-95-8	Eicosane	18.55	450	NJ
	Unknown_08	18.7	610	J
	Unknown_09	18.77	400	J
36728-72-0	28-Nor-17.beta.(H)-hopane	18.86	260	NJ
	Unknown_10	19.3	320	J
83-47-6	.gamma.-Sitosterol	20.23	530	NJ
	Unknown_11	20.35	540	J
	Unknown_12	20.6	250	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6 Location=SDC2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
3892-00-0	Pentadecane, 2,6,10-trimethyl-	11.77	3500		NJ
	Unknown_01	12.03	4100		J
3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	12.13	29000		NJ
3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	12.29	4400		NJ
	Unknown_02	12.53	3000		J
	Unknown_03	12.65	7800		J
7614-93-9	Benzene, 1,1'-(3-methyl-1-propene-1,3-di	12.7	6200		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.75	6300		NJ
	Unknown_04	13.21	5200		J
	Unknown_05	13.26	3500		J
	Unknown_06	13.3	3800		J
	Unknown_07	13.54	5100		J
203-64-5	4H-Cyclopenta[def]phenanthrene	13.68	6500		NJ
612-94-2	Naphthalene, 2-phenyl-	13.91	5000		NJ
3674-69-9	Phenanthrene, 4,5-dimethyl-	14.13	4500		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.21	5300		NJ
3674-66-6	Phenanthrene, 2,5-dimethyl-	14.28	3500		NJ
10276-14-9	Benzene, [(3-phenyl-2-propenyl)thio]-	14.64	10000		NJ
629-78-7	Heptadecane	15.14	5900		NJ
243-17-4	11H-Benzo[b]fluorene	15.23	12000		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	15.32	6200		NJ
82657-04-3	Talstar	15.6	13000		NJ
4309-66-4	Stilbene, 4-amino- (E)-	15.8	7800		NJ
97825-91-7	9-Anthracenamine, 9,10-dihydro-	15.93	11000		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	16.05	11000		NJ
	Unknown_08	16.11	7000		J
629-94-7	Heneicosane	16.2	9700		NJ
	Unknown_09	16.51	11000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6 Location=SDC2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_10	16.87	8200	J
2498-77-3	Benz[a]anthracene, 1-methyl-	16.92	5200	NJ
	Unknown_11	17.14	14000	J
	Unknown_12	17.35	6500	J
601-58-1	Stigmastane	17.93	6900	NJ
	Unknown_13	18.49	7000	J
601-58-1	Stigmastane	18.59	4700	NJ
	Unknown_14	19.4	3200	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
646-31-1	Tetracosane	11.66	5300		NJ
	Unknown_01	11.92	4200		J
26137-53-1	Naphthalene, 1,2,3-trimethyl-4-propenyl-	12.01	28000		NJ
	Unknown_02	12.18	4300		J
	Unknown_03	12.42	4500		J
	Unknown_04	12.53	7700		J
7614-93-9	Benzene, 1,1'-(3-methyl-1-propene-1,3-di	12.6	6700		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.65	6300		NJ
	Unknown_05	12.94	4400		J
	Unknown_06	13.03	3900		J
	Unknown_07	13.44	6200		J
2531-84-2	Phenanthrene, 2-methyl-	13.58	7000		NJ
1207-15-4	2,8-Dimethyldibenzo(b,d)thiophene	13.74	4100		NJ
612-94-2	Naphthalene, 2-phenyl-	13.81	6400		NJ
3674-69-9	Phenanthrene, 4,5-dimethyl-	14.01	3300		NJ
52251-71-5	Anthracene, 2-ethyl-	14.18	5700		NJ
	Unknown_08	14.54	8600		J
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.79	3600		NJ
629-94-7	Heneicosane	15.04	6600		NJ
2381-21-7	Pyrene, 1-methyl-	15.12	6500		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	15.21	3800		NJ
74421-26-4	Benzeneethanol, .beta.-methyl-.beta.-phe	15.5	27000		NJ
4309-66-4	Stilbene, 4-amino- (E)-	15.71	12000		NJ
4309-66-4	Stilbene, 4-amino- (E)-	15.82	21000		NJ
	Unknown_09	15.94	18000		J
	Unknown_10	16.01	10000		J
629-94-7	Heneicosane	16.11	12000		NJ
	Unknown_11	16.42	19000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_12	16.78	11000	J
2541-69-7	Benz[a]anthracene, 7-methyl-	16.82	11000	NJ
	Unknown_13	17.03	29000	J
	Unknown_14	17.49	13000	J
601-58-1	Stigmastane	17.81	10000	NJ
	Unknown_15	18.81	3600	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ7 Location=SDD1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
3404-72-6	1-Pentene, 2,3-dimethyl-	3.62	1500	ug/kg	NJ
	Unknown_01	11.03	520		J
2416-20-8	Hexadecenoic acid, Z-11-	13.43	670		NJ
57-10-3	n-Hexadecanoic acid	13.53	930		NJ
1000293-16-	18-Norabietane	13.85	810		NJ
	Unknown_02	14.16	750		J
1000309-12-	Sulfurous acid, octadecyl 2-propyl ester	15.23	1000		NJ
7098-22-8	Tetratetracontane	15.68	580		NJ
1599-67-3	1-Docosene	16.12	3300		NJ
35599-77-0	Tridecane, 1-iodo-	16.96	2500		NJ
1119-87-5	1,2-Dodecanediol	16.99	3900		NJ
	Unknown_03	17.05	1200		J
	Unknown_04	17.11	780		J
629-62-9	Pentadecane	17.35	1000		NJ
36237-66-8	6,10,14-Hexadecatrien-1-ol, 3,7,11,15-te	17.52	1100		NJ
	Unknown_05	17.67	630		J
544-77-4	Hexadecane, 1-iodo-	17.74	3100		NJ
112-92-5	1-Octadecanol	17.77	4000		NJ
1724-39-6	Cyclododecanol	18.33	1100		NJ
	Unknown_06	18.42	840		J
601-58-1	Stigmastane	18.51	780		NJ
629-94-7	Heneicosane	18.55	1000		NJ
506-52-5	1-Hexacosanol	18.61	2700		NJ
2345-28-0	2-Pentadecanone	18.68	1000		NJ
	Unknown_07	18.9	550		J
	Unknown_08	19.06	490		J
	Unknown_09	19.3	1300		J
474-62-4	Campesterol	19.67	1200		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ7 Location=SDD1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_10	19.86	1500	J
	Unknown_11	20	1100	J
83-46-5	.beta.-Sitosterol	20.22	3300	NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.36	1700	NJ
	Unknown_12	20.6	1200	J
	Unknown_13	20.76	1200	J
1058-61-3	Stigmast-4-en-3-one	21.23	1900	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ8 Location=SDD2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
3404-72-6	1-Pentene, 2,3-dimethyl-	3.62	2800	ug/kg	NJ
558-37-2	1-Butene, 3,3-dimethyl-	4.14	1600		NJ
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.30	66000		NJAB
	Unknown_01	13.77	1300		J
1000293-16-	18-Norabietane	13.85	4000		NJ
638-67-5	Tricosane	15.23	1700		NJ
1686-66-4	Phenanthrene, 7-ethenyl-1,2,3,4,4a,4b,5,	15.57	1600		NJ
2541-75-5	8-Heptadecanol	16.14	5200		NJ
593-45-3	Octadecane	16.54	450		NJ
6920-24-7	Hexadecane-1,2-diol	16.58	990		NJ
629-92-5	Nonadecane	16.96	3800		NJ
1119-87-5	1,2-Dodecanediol	16.99	9300		NJ
2922-51-2	2-Heptadecanone	17.04	1100		NJ
	Unknown_02	17.11	1100		J
	Unknown_03	17.25	900		J
629-78-7	Heptadecane	17.35	920		NJ
	Unknown_04	17.39	680		J
	Unknown_05	17.63	950		J
1560-92-5	Hexadecane, 2-methyl-	17.73	3800		NJ
	Unknown_06	17.77	4500		J
75207-54-4	2-Pentacosanone	17.83	1100		NJ
20834-06-4	Dodecanoic acid, hexadecyl ester	17.87	890		NJ
629-73-2	1-Hexadecene	18.42	1100		NJ
629-78-7	Heptadecane	18.55	1900		NJ
1119-87-5	1,2-Dodecanediol	18.61	2700		NJ
17600-99-6	2-Nonacosanone	18.68	1500		NJ
	Unknown_07	18.89	1000		J
	Unknown_08	19.3	890		J
474-62-4	Campesterol	19.66	2000		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ8 Location=SDD2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_09	19.83	2500	J
	Unknown_10	19.99	1700	J
83-46-5	.beta.-Sitosterol	20.22	6000	NJ
19466-47-8	Stigmastanol	20.3	2400	NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.35	2800	NJ
	Unknown_11	20.5	1200	J
55331-88-9	Stigmastan-7-one	20.6	1400	NJ
1617-70-5	Lup-20(29)-en-3-one	20.76	1200	NJ
1058-61-3	Stigmast-4-en-3-one	21.22	1500	NJ
	Unknown_12	21.88	1300	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1 Location=SDE1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1000222-86-	Oxime-, methoxy-phenyl-_	5.08	2400		NJ
57-10-3	n-Hexadecanoic acid	13.59	1300		NJ
41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	13.72	900		NJ
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.95	650		NJ
32598-14-4	1,1'-Biphenyl, 2,3,3',4,4'-pentachloro-	15.06	820		NJ
3442-78-2	Pyrene, 2-methyl-	15.22	1000		NJ
35599-77-0	Tridecane, 1-iodo-	15.3	1100		NJ
506-30-9	Eicosanoic acid	15.61	1600		NJ
	Unknown_01	16.13	1600		J
629-62-9	Pentadecane	16.19	2600		NJ
544-76-3	Hexadecane	17.04	2900		NJ
	Unknown_02	17.1	1100		J
	Unknown_03	17.14	1100		J
	Unknown_04	17.46	3200		J
7683-64-9	Squalene	17.6	4300		NJ
	Unknown_05	17.93	2900		J
	Unknown_06	17.98	1400		J
	Unknown_07	18.02	1600		J
192-97-2	Benzo[e]pyrene	18.08	1700		NJ
198-55-0	Perylene	18.25	1800		NJ
	Unknown_08	18.35	2500		J
	Unknown_09	18.5	2700		J
601-58-1	Stigmastane	18.6	2800		NJ
	Unknown_10	18.69	1200		J
55401-75-7	Anthracene, 9-dodecyltetradecahydro-	18.97	1800		NJ
1000285-40-	.beta.-iso-Methyl ionone	19.41	2500		NJ
	Unknown_11	19.77	1500		J
	Unknown_12	19.98	1800		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1 Location=SDE1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
83-46-5	.beta.-Sitosterol	20.33	3500		NJ
	Unknown_13	20.49	2100		J
	Unknown_14	20.73	1300		J
1058-61-3	Stigmast-4-en-3-one	21.37	2200		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1000222-86-	Oxime-, methoxy-phenyl-_	4.96	1500		NJ
57-10-3	n-Hexadecanoic acid	13.49	870		NJ
2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	13.6	610		NJ
2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	13.85	630		NJ
56558-16-8	1,1'-Biphenyl, 2,2',4,6,6'-Pentachloro-	14.56	490		NJ
68194-11-6	1,1'-Biphenyl, 2,3,4',5,6-Pentachloro-	14.96	690		NJ
243-17-4	11H-Benzo[b]fluorene	15.11	950		NJ
544-76-3	Hexadecane	15.19	1500		NJ
1000195-40-	2,4,5,5,8a-Pentamethyl-6,7,8,8a-tetrahyd	15.48	620		NJ
	Unknown_01	15.81	640		J
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	15.93	600		NJ
1000299-46-	3-Methyl-1-triisobutylsilyloxybut-2-ene	16.02	1400		NJ
112-95-8	Eicosane	16.1	1400		NJ
	Unknown_02	16.6	1100		J
593-45-3	Octadecane	16.93	2100		NJ
	Unknown_03	16.98	840		J
1000263-05-	Benzoic acid, 4-fluoro-, 2-isopropylphen	17.02	930		NJ
	Unknown_04	17.34	4200		J
7683-64-9	Squalene	17.49	4800		NJ
629-94-7	Heneicosane	17.7	2400		NJ
601-58-1	Stigmastane	17.81	3800		NJ
	Unknown_05	17.86	1900		J
	Unknown_06	17.91	1900		J
192-97-2	Benzo[e]pyrene	17.96	1800		NJ
	Unknown_07	18.22	4600		J
601-58-1	Stigmastane	18.38	4600		NJ
601-58-1	Stigmastane	18.46	4600		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.81	3800		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_08	19.24	5400		J
	Unknown_09	19.8	1800		J
83-46-5	.beta.-Sitosterol	20.15	3000		NJ
	Unknown_10	20.28	2700		J
1058-61-3	Stigmast-4-en-3-one	21.14	2100		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR2 Location=SDE2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
57-10-3	n-Hexadecanoic acid	13.52	470		NJ
2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	13.65	480		NJ
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.89	530		NJ
74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	14.99	470		NJ
3442-78-2	Pyrene, 2-methyl-	15.15	590		NJ
544-76-3	Hexadecane	15.23	470		NJ
	Unknown_01	15.52	390		J
55255-58-8	Naphthalene, 1,2,3,4-tetrahydro-5,8-dime	16.05	450		NJ
6765-39-5	1-Heptadecene	16.13	700		NJ
629-78-7	Heptadecane	16.96	950		NJ
	Unknown_02	17.07	420		J
	Unknown_03	17.4	2400		J
	Unknown_04	17.53	1600		J
629-94-7	Heneicosane	17.74	930		NJ
601-58-1	Stigmastane	17.86	1500		NJ
	Unknown_05	17.9	1000		J
	Unknown_06	17.95	1100		J
192-97-2	Benzo[e]pyrene	17.99	1200		NJ
1000285-40-	.beta.-iso-Methyl ionone	18.09	570		NJ
	Unknown_07	18.27	2500		J
601-58-1	Stigmastane	18.32	1600		NJ
	Unknown_08	18.42	2500		J
601-58-1	Stigmastane	18.51	2100		NJ
	Unknown_09	18.61	1000		J
601-58-1	Stigmastane	18.72	790		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.86	1500		NJ
1000285-40-	.beta.-iso-Methyl ionone	19.31	1800		NJ
	Unknown_10	19.87	1000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR2 Location=SDE2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
83-46-5	.beta.-Sitosterol	20.23	1100	NJ
	Unknown_11	20.35	1100	J
1000158-61-	Tricyclo[5.2.1.0(2,6)]dec-8-ene-8,9-dica	20.6	670	NJ
1058-61-3	Stigmast-4-en-3-one	21.22	860	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3 Location=SDF1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
26137-53-1	Naphthalene, 1,2,3-trimethyl-4-propenyl-	12.12	8800		NJ
	Unknown_01	13.55	7600		J
57-10-3	n-Hexadecanoic acid	13.6	11000		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.68	11000		NJ
	Unknown_02	13.93	10000		J
	Unknown_03	14.31	9300		J
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	14.84	10000		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.91	7100		NJ
	Unknown_04	15.16	9500		J
238-84-6	11H-Benzo[a]fluorene	15.24	21000		NJ
243-17-4	11H-Benzo[b]fluorene	15.32	11000		NJ
	Unknown_05	15.61	22000		J
	Unknown_06	15.79	8500		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.85	6500		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	16.07	18000		NJ
27208-37-3	Cyclopenta[cd]pyrene	16.15	19000		NJ
	Unknown_07	16.74	13000		J
	Unknown_08	16.8	15000		J
481-21-0	Cholestane	17.11	7800		NJ
	Unknown_09	17.14	17000		J
481-21-0	Cholestane	17.24	11000		NJ
	Unknown_10	17.94	8300		J
192-97-2	Benzo[e]pyrene	18.09	8200		NJ
198-55-0	Perylene	18.25	6800		NJ
	Unknown_11	18.51	13000		J
601-58-1	Stigmastane	18.6	16000		NJ
	Unknown_12	18.69	8100		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3 Location=SDF1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
53584-60-4	28-Nor-17.alpha.(H)-hopane	18.97	6800		NJ
1000285-40-	.beta.-iso-Methyl ionone	19.41	6200		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
26137-53-1	Naphthalene, 1,2,3-trimethyl-4-propenyl-	12.01	10000		NJ
	Unknown_01	13.44	9900		J
57-10-3	n-Hexadecanoic acid	13.5	12000		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.56	9900		NJ
41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	13.61	6100		NJ
	Unknown_02	13.82	11000		J
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.86	6900		NJ
1138-52-9	Phenol, 3,5-bis(1,1-dimethylethyl)-	14.19	12000		NJ
	Unknown_03	14.47	13000		J
2381-21-7	Pyrene, 1-methyl-	14.98	12000		NJ
	Unknown_04	15.05	14000		J
205-12-9	7H-Benzo[c]fluorene	15.13	21000		NJ
243-17-4	11H-Benzo[b]fluorene	15.21	9000		NJ
3442-78-2	Pyrene, 2-methyl-	15.26	6800		NJ
1000197-08-	1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	15.5	26000		NJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.75	7600		NJ
51640-60-9	Carbazole, 1,5-dimethyl-	15.83	15000		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	15.96	27000		NJ
195-19-7	Benzo[c]phenanthrene	16.01	11000		NJ
	Unknown_05	16.04	14000		J
	Unknown_06	16.63	14000		J
	Unknown_07	16.69	17000		J
2541-69-7	Benz[a]anthracene, 7-methyl-	16.83	9600		NJ
481-21-0	Cholestane	17	13000		NJ
	Unknown_08	17.04	19000		J
601-58-1	Stigmastane	17.82	13000		NJ
192-97-2	Benzo[e]pyrene	17.96	10000		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
198-55-0	Perylene	18.12	9700	NJ
601-58-1	Stigmastane	18.47	12000	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4 Location=SDF2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
	Unknown_01	12.13	8500		J
	Unknown_02	13.05	9400		J
37680-65-2	1,1'-Biphenyl, 2,2',5-trichloro-	13.23	6600		NJ
	Unknown_03	13.55	8400		J
203-64-5	4H-Cyclopenta[def]phenanthrene	13.68	12000		NJ
32598-12-2	1,1'-Biphenyl, 2,4,4',6-tetrachloro-	13.73	8300		NJ
	Unknown_04	13.92	10000		J
	Unknown_05	14.3	12000		J
74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	14.68	7800		NJ
31508-00-6	1,1'-Biphenyl, 2,3',4,4',5-pentachloro-	15.08	13000		NJ
243-17-4	11H-Benzo[b]fluorene	15.25	26000		NJ
243-17-4	11H-Benzo[b]fluorene	15.34	10000		NJ
3353-12-6	Pyrene, 4-methyl-	15.52	10000		NJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.62	21000		NJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.85	9300		NJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	16.08	21000		NJ
27208-37-3	Cyclopenta[cd]pyrene	16.15	18000		NJ
	Unknown_06	16.75	19000		J
481-21-0	Cholestane	17.12	10000		NJ
	Unknown_07	17.84	27000		J
601-58-1	Stigmastane	17.94	11000		NJ
192-97-2	Benzo[e]pyrene	18.16	12000		NJ
198-55-0	Perylene	18.26	22000		NJ
	Unknown_08	18.5	11000		J
601-58-1	Stigmastane	18.61	17000		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.97	8300		NJ
	Unknown_09	19.01	14000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4 Location=SDF2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
1000285-40-	.beta.-iso-Methyl ionone	19.42	9200		NJ
	Unknown_10	19.99	5800		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	12.01	8000		DNJ
41464-46-4	1,1'-Biphenyl, 2,3',4',6-tetrachloro-	13.35	6800		DNJ
	Unknown_01	13.44	9500		DJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.56	12000		DNJ
41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	13.61	8000		DNJ
	Unknown_02	13.81	12000		DJ
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.85	10000		DNJ
	Unknown_03	13.97	10000		DJ
	Unknown_04	14.19	13000		DJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.46	13000		DNJ
641-85-0	Allopregnane	14.72	5500		DNJ
18259-05-7	1,1'-Biphenyl, 2,3,4,5,6-pentachloro-	14.97	9000		DNJ
243-17-4	11H-Benzo[b]fluorene	15.12	14000		DNJ
238-84-6	11H-Benzo[a]fluorene	15.2	7700		DNJ
	Unknown_05	15.49	8400		DJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	4600		DNJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.95	10000		DNJ
	Unknown_06	16.02	11000		DJ
	Unknown_07	16.62	8200		DJ
	Unknown_08	16.68	9100		DJ
481-21-0	Cholestane	16.99	6000		DNJ
	Unknown_09	17.5	13000		DJ
601-58-1	Stigmastane	17.81	16000		DNJ
192-97-2	Benzo[e]pyrene	17.96	12000		DNJ
198-55-0	Perylene	18.12	13000		DNJ
	Unknown_10	18.22	8200		DJ
601-58-1	Stigmastane	18.46	23000		DNJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_11	18.55	11000		DJ
	Unknown_12	19.24	8800		DJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR5 Location=SDG1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.05	160		NJ
629-97-0	Docosane	14.75	100		NJ
629-62-9	Pentadecane	15.23	140		NJ
35599-77-0	Tridecane, 1-iodo-	15.68	110		NJ
103-23-1	Hexanedioic acid, bis(2-ethylhexyl) este	15.71	170		NJ
112-88-9	1-Octadecene	16.12	310		NJ
112-95-8	Eicosane	16.54	110		NJ
593-45-3	Octadecane	16.95	240		NJ
544-76-3	Hexadecane	17.34	190		NJ
7683-64-9	Squalene	17.52	130		NJ
630-03-5	Nonacosane	17.73	300		NJ
	Unknown_02	18.5	96		J
629-62-9	Pentadecane	18.54	250		NJ
53584-60-4	28-Nor-17.alpha.(H)-hopane	18.85	130		NJ
747-90-0	Cholesta-3,5-diene	19.06	200		NJ
	Unknown_03	19.29	290		J
	Unknown_04	19.83	340		J
83-46-5	.beta.-Sitosterol	20.23	150		NJ
	Unknown_05	20.35	180		J
	Unknown_06	20.6	130		J
	Unknown_07	21.21	160		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6 Location=SDG2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
107-92-6	Butanoic acid	3.66	4900	ug/kg	NJ
21164-95-4	Hexadecane, 7,9-dimethyl-	11.77	3700		NJ
	Unknown_01	12.13	4100		J
629-59-4	Tetradecane	12.76	3400		NJ
	Unknown_02	13.23	4800		J
	Unknown_03	13.27	5100		J
55702-46-0	1,1'-Biphenyl, 2,3,4-trichloro-	13.35	4300		NJ
	Unknown_04	13.49	4600		J
	Unknown_05	13.57	7700		J
59130-69-7	Hexanoic acid, 2-ethyl-, hexadecyl ester	13.64	3500		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.69	6800		NJ
33025-41-1	1,1'-Biphenyl, 2,3,4,4'-tetrachloro-	13.74	3500		NJ
	Unknown_06	13.87	7000		J
1000293-16-	18-Norabietane	13.95	10000		NJ
	Unknown_07	14.33	6300		J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.61	9900		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.94	5300		NJ
	Unknown_08	14.98	3800		J
593-45-3	Octadecane	15.18	7100		NJ
	Unknown_09	15.27	15000		J
	Unknown_10	15.64	24000		J
	Unknown_11	15.81	16000		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.88	16000		NJ
	Unknown_12	16.18	16000		J
	Unknown_13	16.83	13000		J
	Unknown_14	17.16	11000		J
	Unknown_15	17.84	12000		J
601-58-1	Stigmastane	17.94	9600		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6 Location=SDG2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_16	18.52	9600		J
	Unknown_17	18.62	17000		J
1000285-40-	.beta.-iso-Methyl ionone	18.98	13000		NJ
	Unknown_18	19.43	21000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
107-92-6	Butanoic acid	3.57	8700	ug/kg	DNJ
629-59-4	Tetradecane	12.65	4400		DNJ
	Unknown_01	13.44	7700		DJ
1000311-42-	9-Hydroxy-3,4-dihydro-2H-1,4-ethanoquino	13.53	4400		DNJ
	Unknown_02	13.74	7200		DJ
1000293-16-	18-Norabietane	13.82	12000		DNJ
	Unknown_03	13.98	6400		DJ
3674-74-6	Phenanthrene, 2-ethyl-	14.19	7000		DNJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.48	12000		DNJ
74630-83-4	1-Propene-2-thiol, 1,1-diphenyl-	14.56	7700		DNJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.81	5400		DNJ
	Unknown_04	14.85	5500		DJ
629-78-7	Heptadecane	14.93	5200		DNJ
629-78-7	Heptadecane	15.06	14000		DNJ
481-26-5	Pregnane	15.14	15000		DNJ
	Unknown_05	15.51	27000		DJ
	Unknown_06	15.69	20000		DJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.75	17000		DNJ
	Unknown_07	15.83	14000		DJ
	Unknown_08	15.97	39000		DJ
	Unknown_09	16.02	15000		DJ
	Unknown_10	16.04	28000		DJ
629-92-5	Nonadecane	16.16	26000		DNJ
	Unknown_11	16.39	16000		DJ
	Unknown_12	16.71	21000		DJ
	Unknown_13	17.05	20000		DJ
	Unknown_14	17.52	13000		DJ
	Unknown_15	17.73	15000		DJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
601-58-1	Stigmastane	17.82	16000		DNJ
	Unknown_16	18.23	15000		DJ
601-58-1	Stigmastane	18.47	26000		DNJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.83	20000		DNJ
	Unknown_17	19.26	16000		DJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR7 Location=SDH1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration ug/kg	Lab Qualifier
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.06	230	NJ
593-45-3	Octadecane	12.62	180	NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.6	350	NJ
612-94-2	Naphthalene, 2-phenyl-	13.84	200	NJ
112-40-3	Dodecane	14.25	200	NJ
33543-31-6	Fluoranthene, 2-methyl-	15	290	NJ
238-84-6	11H-Benzo[a]fluorene	15.15	370	NJ
629-92-5	Nonadecane	15.23	380	NJ
3353-12-6	Pyrene, 4-methyl-	15.29	200	NJ
646-31-1	Tetracosane	15.68	290	NJ
479-79-8	11H-Benzo[a]fluoren-11-one	15.83	490	NJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.98	350	NJ
195-19-7	Benzo[c]phenanthrene	16.02	320	NJ
203-12-3	Benzo[ghi]fluoranthene	16.04	440	NJ
479-79-8	11H-Benzo[a]fluoren-11-one	16.1	340	NJ
544-76-3	Hexadecane	16.12	530	NJ
25732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	16.46	300	NJ
239-01-0	11H-Benzo[a]carbazole	16.54	540	NJ
	Unknown_01	16.61	330	J
1705-84-6	Triphenylene, 2-methyl-	16.84	330	NJ
1705-84-6	Triphenylene, 2-methyl-	16.89	220	NJ
629-94-7	Heneicosane	16.95	590	NJ
2541-69-7	Benz[a]anthracene, 7-methyl-	17.02	250	NJ
630-02-4	Octacosane	17.35	410	NJ
	Unknown_02	17.48	210	J
75581-03-2	2,6,10,14,18-Pentamethyl-2,6,10,14,18-ei	17.53	280	NJ
630-03-5	Nonacosane	17.73	390	NJ
205-82-3	Benzo[j]fluoranthene	17.78	570	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR7 Location=SDH1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
192-97-2	Benzo[e]pyrene	17.99	1000		NJ
198-55-0	Perylene	18.16	540		NJ
36441-74-4	Baccharane	18.26	370		NJ
601-58-1	Stigmastane	18.51	290		NJ
112-95-8	Eicosane	18.55	310		NJ
	Unknown_03	18.7	270		J
36728-72-0	28-Nor-17.beta.(H)-hopane	18.85	360		NJ
	Unknown_04	18.9	290		J
	Unknown_05	19.3	410		J
193-43-1	Indeno[1,2,3-cd]fluoranthene	20.23	240		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8 Location=SDH2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
629-62-9	Pentadecane	10.78	370		NJ
544-76-3	Hexadecane	11.44	530		NJ
3892-00-0	Pentadecane, 2,6,10-trimethyl-	11.76	470		NJ
629-78-7	Heptadecane	12.09	870		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.12	750		NJ
	Unknown_01	12.37	300		J
593-45-3	Octadecane	12.69	900		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.75	580		NJ
629-92-5	Nonadecane	13.26	860		NJ
613-12-7	Anthracene, 2-methyl-	13.55	400		NJ
544-76-3	Hexadecane	13.81	770		NJ
3674-66-6	Phenanthrene, 2,5-dimethyl-	14.28	340		NJ
629-94-7	Heneicosane	14.33	640		NJ
	Unknown_02	14.67	110		J
544-76-3	Hexadecane	14.82	82		NJ
629-78-7	Heptadecane	15.01	85		NJ
2381-21-7	Pyrene, 1-methyl-	15.09	93		NJ
243-17-4	11H-Benzo[b]fluorene	15.22	150		NJ
243-17-4	11H-Benzo[b]fluorene	15.3	160		NJ
646-31-1	Tetracosane	15.76	110		NJ
82-05-3	7H-Benz[de]anthracen-7-one	15.91	120		NJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	16.05	160		NJ
55282-14-9	Docosane, 9-butyl-	16.2	180		NJ
243-51-6	11H-Indeno(1,2-b)quinoline	16.63	100		NJ
	Unknown_03	16.69	96		J
	Unknown_04	16.78	110		J
2541-69-7	Benz[a]anthracene, 7-methyl-	16.92	67		NJ
3351-32-4	Chrysene, 2-methyl-	16.97	68		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8 Location=SDH2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
544-76-3	Hexadecane	17.03	140	NJ
	Unknown_05	17.09	90	J
	Unknown_06	17.55	1100	J
192-97-2	Benzo[e]pyrene	17.86	640	NJ
601-58-1	Stigmastane	17.93	580	NJ
192-97-2	Benzo[e]pyrene	18.08	1400	NJ
198-55-0	Perylene	18.24	800	NJ
601-58-1	Stigmastane	18.6	1100	NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.96	750	NJ
	Unknown_07	19	800	J
	Unknown_08	19.41	850	J
	Unknown_09	19.99	540	J
	Unknown_10	20.47	170	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration ug/kg	Lab Qualifier
544-76-3	Hexadecane	11.34	490	DNJ
629-78-7	Heptadecane	11.97	750	DNJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.01	630	DNJ
593-45-3	Octadecane	12.58	810	DNJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.64	490	DNJ
629-59-4	Tetradecane	13.15	980	DNJ
610-48-0	Anthracene, 1-methyl-	13.4	550	DNJ
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	13.43	480	DNJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.55	640	DNJ
84-78-6	1,2-Benzenedicarboxylic acid, butyl octy	13.58	560	DNJ
112-95-8	Eicosane	13.7	670	DNJ
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	14.21	750	DNJ
13475-75-7	Pentadecane, 8-hexyl-	14.72	610	DNJ
2381-21-7	Pyrene, 1-methyl-	14.96	570	DNJ
243-17-4	11H-Benzo[b]fluorene	15.11	890	DNJ
629-62-9	Pentadecane	15.19	1000	DNJ
629-92-5	Nonadecane	15.65	1400	DNJ
479-79-8	11H-Benzo[a]fluoren-11-one	15.79	1500	DNJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.94	1600	DNJ
195-19-7	Benzo[c]phenanthrene	15.98	2200	DNJ
479-79-8	11H-Benzo[a]fluoren-11-one	16.06	920	DNJ
629-94-7	Heneicosane	16.09	1500	DNJ
25732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	16.42	860	DNJ
239-01-0	11H-Benzo[a]carbazole	16.51	950	DNJ
1606-67-3	3-Aminopyrene	16.57	1300	DNJ
	Unknown_01	16.66	910	DJ
544-76-3	Hexadecane	16.76	1000	DNJ
629-59-4	Tetradecane	16.92	1400	DNJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_02	16.97	920	DJ
205-82-3	Benzo[j]fluoranthene	17.73	1100	DNJ
192-97-2	Benzo[e]pyrene	17.94	2200	DNJ
198-55-0	Perylene	18.09	1400	DNJ
55255-70-4	Anthracene, 9-cyclohexyltetradecahydro-	18.22	1700	DNJ
	Unknown_03	18.45	1000	DJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.8	1400	DNJ
	Unknown_04	18.84	1300	DJ
	Unknown_05	19.23	2100	DJ
	Unknown_06	19.8	960	DJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9 Location=SDI1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
41464-49-7	1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	13.35	3600		NJ
	Unknown_01	13.43	4300		J
15968-05-5	1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	13.61	4000		NJ
	Unknown_02	13.73	5500		J
1000293-16-	18-Norabietane	13.81	5800		NJ
52663-59-9	1,1'-Biphenyl, 2,2',3,4-tetrachloro-	13.84	3500		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	5200		NJ
641-85-0	Allopregnane	14.73	6700		NJ
6567-09-5	1,2,3,4-Tetrahydrobenzo[a]fluorene	14.8	4900		NJ
56558-18-0	1,1'-Biphenyl, 2,3',4,5',6-Pentachloro-	14.97	4700		NJ
641-85-0	Allopregnane	15.13	7300		NJ
	Unknown_03	15.22	3600		J
	Unknown_04	15.42	6800		J
	Unknown_05	15.5	8700		J
	Unknown_06	15.67	7400		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	8600		NJ
	Unknown_07	15.96	12000		J
	Unknown_08	16.04	15000		J
55401-75-7	Anthracene, 9-dodecyltetradecahydro-	16.7	4900		NJ
481-21-0	Cholestane	17	5500		NJ
	Unknown_09	17.04	11000		J
	Unknown_10	17.36	8200		J
	Unknown_11	17.51	7000		J
601-58-1	Stigmastane	17.82	6300		NJ
	Unknown_12	18.05	6200		J
	Unknown_13	18.13	11000		J
	Unknown_14	18.37	7700		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9 Location=SDI1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
601-58-1	Stigmastane	18.47	11000		NJ
	Unknown_15	19.25	6300		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
35693-92-6	1,1'-Biphenyl, 2,4,6-trichloro-	13.23	3700		NJ
	Unknown_01	13.44	6600		J
	Unknown_02	13.52	5000		J
41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	13.61	4500		NJ
	Unknown_03	13.74	12000		J
1000293-16-	18-Norabietane	13.82	8500		NJ
	Unknown_04	13.97	5100		J
	Unknown_05	14.18	7100		J
	Unknown_06	14.42	6800		J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	7100		NJ
	Unknown_07	14.73	7300		J
638-67-5	Tricosane	14.93	4200		NJ
74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	14.98	7900		NJ
641-85-0	Allopregnane	15.13	9600		NJ
	Unknown_08	15.22	4300		J
	Unknown_09	15.42	11000		J
	Unknown_10	15.5	13000		J
	Unknown_11	15.58	7500		J
	Unknown_12	15.75	7700		J
	Unknown_13	16.05	18000		J
	Unknown_14	16.7	7100		J
481-20-9	Coprostane	17	8000		NJ
	Unknown_15	17.04	18000		J
	Unknown_16	17.36	8900		J
	Unknown_17	17.51	9800		J
	Unknown_18	17.82	9300		J
	Unknown_19	18.38	13000		J
601-58-1	Stigmastane	18.47	17000		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
36728-72-0	28-Nor-17.beta.(H)-hopane	18.82	7800		NJ
	Unknown_20	19.25	9600		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS0 Location=SDI2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
43080-23-5	2-Propenoic acid, pentadecyl ester	11.99	15000	ug/kg	NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.07	26000		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.7	23000		NJ
26429-11-8	Heptadecane, 4-methyl-	13.17	17000		NJ
	Unknown_01	13.49	18000		J
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	13.8	14000		NJ
	Unknown_02	14.02	7500		J
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	14.06	14000		NJ
1560-89-0	Heptadecane, 2-methyl-	14.16	15000		NJ
	Unknown_03	14.23	15000		J
21164-95-4	Hexadecane, 7,9-dimethyl-	14.44	26000		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.52	23000		NJ
37436-37-6	1,3-Diamino-5,6-dihydro-7-methylbenzo[f]	14.6	35000		NJ
	Unknown_04	14.8	19000		J
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.84	16000		NJ
	Unknown_05	14.89	18000		J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.97	42000		NJ
13287-24-6	Nonadecane, 9-methyl-	15.09	41000		NJ
641-85-0	Allopregnane	15.17	31000		NJ
	Unknown_06	15.31	37000		J
593-45-3	Octadecane	15.35	27000		NJ
629-99-2	Pentacosane	15.46	45000		NJ
	Unknown_07	15.54	53000		J
70301-47-2	Chloroacetic acid, pentadecyl ester	15.66	19000		NJ
4860-03-1	Hexadecane, 1-chloro-	15.92	24000		NJ
	Unknown_08	15.99	36000		J
2050-77-3	Decane, 1-iodo-	16.06	31000		NJ
593-45-3	Octadecane	16.17	30000		NJ
	Unknown_09	16.19	26000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS0 Location=SDI2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	16.4	22000		NJ
	Unknown_10	16.47	16000		J
629-94-7	Heneicosane	16.61	23000		NJ
	Unknown_11	16.74	34000		J
1928-30-9	Tricosane, 2-methyl-	16.83	20000		NJ
	Unknown_12	16.93	24000		J
481-21-0	Cholestane	17.05	21000		NJ
	Unknown_13	17.09	28000		J
481-20-9	Coprostane	17.71	19000		NJ
97306-62-2	2,5,5,8a-Tetramethyl-6,7,8,8a-tetrahydro	17.77	35000		NJ
601-58-1	Stigmastane	17.87	38000		NJ
	Unknown_14	18.52	33000		J
36728-72-0	28-Nor-17.beta.(H)-hopane	18.88	12000		NJ
	Unknown_15	19.32	28000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS1 Location=SDJ1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
107-92-6	Butanoic acid	3.74	630		NJ
1000222-86-	Oxime-, methoxy-phenyl-_	5.02	800		NJ
	Unknown_02	11.32	1600		J
4534-50-3	Benzene, (1-butylnonyl)-	11.59	660		NJ
	Unknown_03	11.76	890		J
	Unknown_04	11.78	1100		J
	Unknown_05	11.87	840		J
4218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)-	11.93	540		NJ
	Unknown_06	11.99	1500		J
55134-07-1	Benzene, (1,1,4,6,6-pentamethylheptyl)-	12.18	690		NJ
	Unknown_07	12.92	350		J
2091-29-4	9-Hexadecenoic acid	13.45	600		NJ
57-10-3	n-Hexadecanoic acid	13.55	1100		NJ
10544-50-0	Cyclic octaatomic sulfur	14.18	33000		NJ
102037-88-7	3-Methyl-2-(3,7,11-trimethyldodecyl)thio	14.49	540		NJ
13287-25-7	Heneicosane, 10-methyl-	15.24	750		NJ
1000309-12-	Sulfurous acid, octadecyl 2-propyl ester	16.14	2200		NJ
629-78-7	Heptadecane	16.98	1900		NJ
7683-64-9	Squalene	17.54	1100		NJ
	Unknown_08	17.7	1400		J
13475-76-8	Docosane, 11-butyl-	17.75	1300		NJ
	Unknown_09	17.86	1200		J
1000285-40-	.beta.-iso-Methyl ionone	18.28	1000		NJ
601-58-1	Stigmastane	18.44	1100		NJ
	Unknown_10	18.52	1500		J
	Unknown_11	18.62	1300		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS1 Location=SDJ1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
36728-72-0	28-Nor-17.beta.(H)-hopane	18.88	1600		NJ
	Unknown_12	19.13	760		J
55255-70-4	Anthracene, 9-cyclohexyltetradecahydro-	19.32	2200		NJ
474-62-4	Campesterol	19.68	1000		NJ
83-48-7	Stigmasterol	19.86	1800		NJ
83-46-5	.beta.-Sitosterol	20.24	5300		NJ
19466-47-8	Stigmastanol	20.33	1200		NJ
	Unknown_13	20.38	1200		J
	Unknown_14	20.63	1400		J
1058-61-3	Stigmast-4-en-3-one	21.25	2200		NJ
	Unknown_15	22.01	2500		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS2 Location=SDJ2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_01	12.07	250000	ug/kg	J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.7	110000		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.61	340000		NJ
612-94-2	Naphthalene, 2-phenyl-	13.86	150000		NJ
3891-98-3	Dodecane, 2,6,10-trimethyl-	14.15	120000		NJ
886-66-8	Benzene, 1,1'-(1,3-butadiyne-1,4-diyl)bi	14.52	120000		NJ
	Unknown_02	14.62	150000		J
629-78-7	Heptadecane	14.95	190000		NJ
243-17-4	11H-Benzo[b]fluorene	15.02	120000		NJ
629-94-7	Heneicosane	15.07	120000		NJ
243-17-4	11H-Benzo[b]fluorene	15.16	350000		NJ
243-17-4	11H-Benzo[b]fluorene	15.24	240000		NJ
629-92-5	Nonadecane	15.44	110000		NJ
	Unknown_03	15.52	140000		J
1241-94-7	Octicizer	15.96	120000		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	15.98	200000		NJ
195-19-7	Benzo[c]phenanthrene	16.03	150000		NJ
112-40-3	Dodecane	16.14	150000		NJ
	Unknown_04	16.4	110000		J
82-05-3	7H-Benz[de]anthracen-7-one	16.52	110000		NJ
629-97-0	Docosane	16.8	180000		NJ
2541-69-7	Benz[a]anthracene, 7-methyl-	16.86	160000		NJ
	Unknown_05	16.91	110000		J
	Unknown_06	16.98	120000		J
	Unknown_07	17.05	170000		J
	Unknown_08	17.12	120000		J
630-01-3	Hexacosane	17.24	140000		NJ
	Unknown_09	17.46	200000		J
192-97-2	Benzo[e]pyrene	17.79	110000		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS2 Location=SDJ2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
192-97-2	Benzo[e]pyrene	18	460000	NJ
198-55-0	Perylene	18.16	270000	NJ
	Unknown_10	18.25	150000	J
	Unknown_11	18.4	110000	J
	Unknown_12	18.52	300000	J
	Unknown_13	18.71	140000	J
	Unknown_14	18.87	200000	J
	Unknown_15	19.31	160000	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLKL8 Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
141-79-7	3-Penten-2-one, 4-methyl-	3.67	77	ug/kg	NJA
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	11000		NJA
	Unknown_01	9.27	350		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLKM4 Location=No_TR_data Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_01	9.28	3000	ug/kg	J
2156-97-0	Dodecyl acrylate	11.99	2800		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLKO1 Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.24	7600	ug/kg	NJA
	Unknown_01	9.23	560		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1 Location=SDA1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration ug/kg	Lab Qualifier
	Unknown_01	13.5	9700	J
	Unknown_02	14.02	9100	J
22511-92-8	Androstane, (5.alpha.,14.beta.)-	14.1	6900	NJ
	Unknown_03	14.24	18000	J
	Unknown_04	14.37	19000	J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.52	36000	NJ
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	14.78	20000	NJ
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	15.18	30000	NJ
	Unknown_05	15.26	13000	J
	Unknown_06	15.46	12000	J
	Unknown_07	15.55	26000	J
	Unknown_08	15.61	37000	J
	Unknown_09	15.73	9200	J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.8	16000	NJ
	Unknown_10	15.82	19000	J
	Unknown_11	16.07	20000	J
	Unknown_12	16.75	12000	J
	Unknown_13	17.05	14000	J
	Unknown_14	17.09	25000	J
	Unknown_15	17.41	61000	J
	Unknown_16	17.77	93000	J
601-58-1	Stigmastane	17.88	55000	NJ
	Unknown_17	17.92	25000	J
	Unknown_18	17.96	26000	J
	Unknown_19	18.29	24000	J
	Unknown_20	18.44	42000	J
601-58-1	Stigmastane	18.53	70000	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1 Location=SDA1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
36728-72-0	28-Nor-17.beta.(H)-hopane	18.89	26000		NJ
	Unknown_21	19.33	50000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration ug/kg	Lab Qualifier
	Unknown_01	13.43	9400	J
74810-41-6	Cyclohexane, (2-ethyl-1-methylbutylidene	13.58	8000	NJ
24887-75-0	Androstane	13.74	8100	NJ
	Unknown_02	13.81	7100	J
	Unknown_03	13.96	8500	J
	Unknown_04	14.18	17000	J
	Unknown_05	14.3	18000	J
	Unknown_06	14.42	10000	J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	36000	NJ
641-85-0	Allopregnane	14.71	8800	NJ
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	15.12	22000	NJ
	Unknown_07	15.21	14000	J
1000285-40-	.beta.-iso-Methyl ionone	15.49	19000	NJ
	Unknown_08	15.57	27000	J
	Unknown_09	15.66	5700	J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	13000	NJ
	Unknown_10	15.76	14000	J
	Unknown_11	15.96	6700	J
	Unknown_12	16.03	19000	J
	Unknown_13	16.69	5700	J
481-21-0	Cholestane	16.99	10000	NJ
	Unknown_14	17.03	19000	J
	Unknown_15	17.35	32000	J
601-58-1	Stigmastane	17.82	31000	NJ
	Unknown_16	17.86	10000	J
	Unknown_17	18.04	15000	J
	Unknown_18	18.37	23000	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
601-58-1	Stigmastane	18.46	30000		NJ
	Unknown_19	19.23	23000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2 Location=SDA2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
62108-26-3	Decane, 2,6,8-trimethyl-	11.71	50000	ug/kg	NJ
2156-97-0	Dodecyl acrylate	12.00	25000		NJB
6975-98-0	Decane, 2-methyl-	12.07	63000		NJ
	Unknown_01	12.6	22000		J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.69	64000		NJ
14237-73-1	2-Hexadecene, 3,7,11,15-tetramethyl-, [R	12.99	14000		NJ
26429-11-8	Heptadecane, 4-methyl-	13.18	39000		NJ
7372-88-5	Dibenzothiophene, 4-methyl-	13.23	29000		NJ
	Unknown_02	13.5	31000		J
2531-84-2	Phenanthrene, 2-methyl-	13.64	32000		NJ
646-31-1	Tetracosane	13.67	26000		NJ
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	13.79	36000		NJ
1560-92-5	Hexadecane, 2-methyl-	13.87	34000		NJ
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	14.06	32000		NJ
3892-00-0	Pentadecane, 2,6,10-trimethyl-	14.16	59000		NJ
781-43-1	9,10-Dimethylanthracene	14.22	43000		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	14.45	62000		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.52	70000		NJ
1000256-99-	5(10H)-Pyrido[3,4-b]quinolone, 7-methoxy	14.59	61000		NJ
	Unknown_03	14.65	25000		J
1000132-20-	1-Penten-3-one, 4-methyl-1-[2,6,6-trimet	14.85	43000		NJ
	Unknown_04	14.89	34000		J
629-78-7	Heptadecane	14.97	110000		NJ
629-78-7	Heptadecane	15.09	96000		NJ
481-26-5	Pregnane	15.18	96000		NJ
	Unknown_05	15.31	44000		J
544-77-4	Hexadecane, 1-iodo-	15.35	55000		NJ
629-78-7	Heptadecane	15.47	83000		NJ
	Unknown_06	15.55	110000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2 Location=SDA2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_07	15.74	49000	J
	Unknown_08	16	68000	J
14905-56-7	Tetradecane, 2,6,10-trimethyl-	16.06	52000	NJ
593-45-3	Octadecane	16.18	92000	NJ
	Unknown_09	16.31	26000	J
1560-86-7	Nonadecane, 2-methyl-	16.4	41000	NJ
	Unknown_10	16.44	31000	J
646-31-1	Tetracosane	16.61	23000	NJ
	Unknown_11	16.75	56000	J
62016-79-9	Heptacosane, 1-chloro-	16.83	38000	NJ
	Unknown_12	17.05	32000	J
	Unknown_13	17.71	120000	J
	Unknown_14	17.87	85000	J
601-58-1	Stigmastane	18.53	72000	NJ
601-53-6	Cholestan-3-one, (5.beta.)-	19.09	38000	NJ
	Unknown_15	19.32	48000	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2RE Location=No_TR_data Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
55045-11-9	Tridecane, 5-propyl-	11.66	37000	ug/kg	NJ
2156-97-0	Dodecyl acrylate	11.94	32000		NJB
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.02	72000		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.65	72000		NJ
	Unknown_01	12.95	15000		J
544-76-3	Hexadecane	13.12	40000		NJ
	Unknown_02	13.44	34000		J
107426-38-0	Naphtho[2,3-b]norbornadiene	13.58	31000		NJ
1207-15-4	2,8-Dimethyldibenzo(b,d)thiophene	13.74	32000		NJ
629-92-5	Nonadecane	13.81	39000		NJ
	Unknown_03	13.96	37000		J
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	14	35000		NJ
638-67-5	Tricosane	14.12	63000		NJ
3674-69-9	Phenanthrene, 4,5-dimethyl-	14.17	49000		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	14.4	89000		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	52000		NJ
74630-83-4	1-Propene-2-thiol, 1,1-diphenyl-	14.55	68000		NJ
7098-22-8	Tetratetracontane	14.59	35000		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.79	50000		NJ
629-92-5	Nonadecane	14.84	46000		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.92	94000		NJ
593-45-3	Octadecane	15.04	130000		NJ
641-85-0	Allopregnane	15.12	58000		NJ
	Unknown_04	15.27	70000		J
593-45-3	Octadecane	15.31	70000		NJ
629-78-7	Heptadecane	15.42	120000		NJ
	Unknown_05	15.49	120000		J
	Unknown_06	15.62	34000		J
593-45-3	Octadecane	15.69	61000		NJ

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16:55 Thu, May 28, 2009

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ2RE Location=No_TR_data Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	47000	NJ
112-95-8	Eicosane	15.78	37000	NJ
	Unknown_07	15.94	100000	J
629-94-7	Heneicosane	16.02	51000	NJ
629-94-7	Heneicosane	16.12	200000	NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	16.36	65000	NJ
	Unknown_08	16.39	56000	J
24964-07-6	Benzo[b]naphtho[2,3-d]thiophene, 8-methy	16.43	45000	NJ
	Unknown_09	16.69	51000	J
77536-31-3	Docosane, 2,21-dimethyl-	16.78	35000	NJ
481-20-9	Coprostane	16.99	35000	NJ
	Unknown_10	17.04	38000	J
	Unknown_11	17.65	140000	J
601-58-1	Stigmastane	17.81	94000	NJ
	Unknown_12	18.05	35000	J
601-58-1	Stigmastane	18.46	60000	NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.81	39000	NJ
15600-08-5	Cholestan-3-one	19.02	45000	NJ
1000197-08-	1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	19.24	38000	NJ
1000210-43-	Cholestan-2-one	19.28	37000	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ3 Location=SDB1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
107-92-6	Butanoic acid	3.48	440	ug/kg	NJ
625-27-4	2-Pentene, 2-methyl-	3.66	1100		NJ
4461-48-7	2-Pentene, 4-methyl-	4.13	690		NJ
	Unknown_01	11.09	370		J
18633-25-5	Oxirane, tridecyl-	14.95	420		NJ
7225-64-1	Heptadecane, 9-octyl-	15.28	360		NJ
	Unknown_02	15.9	320		J
1000309-12-	Sulfurous acid, octadecyl 2-propyl ester	16.18	760		NJ
593-45-3	Octadecane	17.01	960		NJ
629-78-7	Heptadecane	17.79	930		NJ
593-45-3	Octadecane	18.62	710		NJ
53584-60-4	28-Nor-17.alpha.(H)-hopane	18.93	530		NJ
7494-34-0	26-Nor-5-cholesten-3.beta.-ol-25-one	19.13	810		NJ
80-97-7	Cholestanol	19.2	660		NJ
	Unknown_03	19.38	860		J
474-62-4	Campesterol	19.75	1700		NJ
83-48-7	Stigmasterol	19.94	1800		NJ
6538-02-9	Ergostanol	20.05	1600		NJ
83-46-5	.beta.-Sitosterol	20.32	6400		NJ
19466-47-8	Stigmastanol	20.4	2300		NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.46	1100		NJ
	Unknown_04	20.56	640		J
	Unknown_05	20.72	1700		J
	Unknown_06	20.88	740		J
1058-61-3	Stigmast-4-en-3-one	21.35	1700		NJ
	Unknown_07	22.02	630		J
	Unknown_08	22.27	400		J
	Unknown_09	22.68	320		J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ3RX Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
141-79-7	3-Penten-2-one, 4-methyl-	3.6	650	ug/kg	NJA
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.24	41000		NJAB
	Unknown_02	10.98	500		J
629-78-7	Heptadecane	14.21	500		NJ
1000144-57-	16-Heptadecenal	14.86	900		NJ
243-17-4	11H-Benzo[b]fluorene	15.09	440		NJ
13287-24-6	Nonadecane, 9-methyl-	15.19	990		NJ
638-66-4	Octadecanal	15.8	740		NJ
35599-77-0	Tridecane, 1-iodo-	16.08	2200		NJ
53057-53-7	1,21-Docosadiene	16.68	670		NJ
629-78-7	Heptadecane	16.91	1900		NJ
	Unknown_03	16.96	1300		J
630-02-4	Octacosane	17.31	900		NJ
	Unknown_04	17.45	610		J
7683-64-9	Squalene	17.48	1500		NJ
630-02-4	Octacosane	17.69	2800		NJ
1000164-49-	Bacteriochlorophyll-c-stearyl	17.75	820		NJ
629-66-3	2-Nonadecanone	17.79	970		NJ
55255-70-4	Anthracene, 9-cyclohexyltetradecahydro-	18.21	940		NJ
	Unknown_05	18.28	720		J
601-58-1	Stigmastane	18.36	580		NJ
	Unknown_06	18.45	700		J
630-02-4	Octacosane	18.5	1600		NJ
	Unknown_07	18.64	1900		J
	Unknown_08	18.8	950		J
	Unknown_09	18.83	1800		J
	Unknown_10	19.23	1000		J
474-62-4	Campesterol	19.6	560		NJ

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ3RX Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_11	19.8	950		J
	Unknown_12	19.92	2100		J
83-46-5	.beta.-Sitosterol	20.16	4400		NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.27	3000		NJ
	Unknown_13	20.35	750		J
	Unknown_14	20.52	1600		J
	Unknown_15	20.67	620		J
1058-61-3	Stigmast-4-en-3-one	21.13	1400		NJ

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ4 Location=SDB2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
79-09-4	Propanoic acid	2.54	4600	ug/kg	NJ
79-31-2	Propanoic acid, 2-methyl-	3.42	3400		NJ
3404-73-7	1-Pentene, 3,3-dimethyl-	3.62	1900		NJ
107-92-6	Butanoic acid	4.07	16000		NJ
503-74-2	Butanoic acid, 3-methyl-	4.45	930		NJ
116-53-0	Butanoic acid, 2-methyl-	4.63	1600		NJ
109-52-4	Pentanoic acid	4.95	1100		NJ
	Unknown_01	11.04	920		J
57-10-3	n-Hexadecanoic acid	13.52	800		NJ
7390-81-0	Oxirane, hexadecyl-	14.9	1200		NJ
1000130-97-	E-15-Heptadecenal	15.23	1500		NJ
7320-37-8	Oxirane, tetradecyl-	15.84	860		NJ
1599-67-3	1-Docosene	16.13	3100		NJ
638-66-4	Octadecanal	16.72	730		NJ
629-78-7	Heptadecane	16.96	1600		NJ
	Unknown_02	17.01	1400		J
629-62-9	Pentadecane	17.35	990		NJ
41702-60-7	1,7-Octadien-3-one, 2-methyl-6-methylene	17.49	740		NJ
7683-64-9	Squalene	17.53	1200		NJ
646-31-1	Tetracosane	17.73	2500		NJ
601-58-1	Stigmastane	17.85	930		NJ
601-58-1	Stigmastane	18.42	760		NJ
630-02-4	Octacosane	18.55	1200		NJ
	Unknown_03	18.69	820		J
	Unknown_04	19.3	1100		J
474-62-4	Campesterol	19.67	1200		NJ
83-48-7	Stigmasterol	19.86	2400		NJ
1000252-39-	17,20-Isocholest-5-en-3.beta.,16,26-trio	19.99	3000		NJ

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ4 Location=SDB2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
1000214-20-	Stigmasterol, 22,23-dihydro-	20.23	11000	NJ
19466-47-8	Stigmastanol	20.32	6100	NJ
	Unknown_05	20.61	2700	J
1058-61-3	Stigmast-4-en-3-one	21.23	1700	NJ
	Unknown_06	22.12	680	J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ5 Location=SDC1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
3404-73-7	1-Pentene, 3,3-dimethyl-	3.62	930	ug/kg	NJ
563-79-1	2-Butene, 2,3-dimethyl-	4.13	530		NJ
629-78-7	Heptadecane	12.02	200		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.06	270		NJ
	Unknown_01	13.43	390		J
57-10-3	n-Hexadecanoic acid	13.52	260		NJ
112-95-8	Eicosane	13.73	260		NJ
	Unknown_02	13.78	220		J
1000293-16-	18-Norabietane	13.85	490		NJ
	Unknown_03	14.23	230		J
544-76-3	Hexadecane	14.26	290		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.49	210		NJ
638-66-4	Octadecanal	14.91	830		NJ
2381-21-7	Pyrene, 1-methyl-	15.15	270		NJ
544-76-3	Hexadecane	15.23	960		NJ
67860-04-2	Oxirane, heptadecyl-	15.85	700		NJ
1000309-38-	Oxalic acid, isobutyl octadecyl ester	16.13	1200		NJ
57866-08-7	Tetracosanal	16.71	200		NJ
593-45-3	Octadecane	16.96	570		NJ
	Unknown_04	17.06	470		J
544-76-3	Hexadecane	17.35	420		NJ
75581-03-2	2,6,10,14,18-Pentamethyl-2,6,10,14,18-ei	17.52	680		NJ
630-03-5	Nonacosane	17.74	1100		NJ
205-82-3	Benzo(j)fluoranthene	17.78	930		NJ
601-58-1	Stigmastane	17.85	510		NJ
	Unknown_05	18.25	540		J
	Unknown_06	18.42	790		J
	Unknown_07	18.51	630		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ5 Location=SDC1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
112-95-8	Eicosane	18.55	450	NJ
	Unknown_08	18.7	610	J
	Unknown_09	18.77	400	J
36728-72-0	28-Nor-17.beta.(H)-hopane	18.86	260	NJ
	Unknown_10	19.3	320	J
83-47-6	.gamma.-Sitosterol	20.23	530	NJ
	Unknown_11	20.35	540	J
	Unknown_12	20.6	250	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6 Location=SDC2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
3892-00-0	Pentadecane, 2,6,10-trimethyl-	11.77	3500		NJ
	Unknown_01	12.03	4100		J
3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	12.13	29000		NJ
3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	12.29	4400		NJ
	Unknown_02	12.53	3000		J
	Unknown_03	12.65	7800		J
7614-93-9	Benzene, 1,1'-(3-methyl-1-propene-1,3-di	12.7	6200		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.75	6300		NJ
	Unknown_04	13.21	5200		J
	Unknown_05	13.26	3500		J
	Unknown_06	13.3	3800		J
	Unknown_07	13.54	5100		J
203-64-5	4H-Cyclopenta[def]phenanthrene	13.68	6500		NJ
612-94-2	Naphthalene, 2-phenyl-	13.91	5000		NJ
3674-69-9	Phenanthrene, 4,5-dimethyl-	14.13	4500		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.21	5300		NJ
3674-66-6	Phenanthrene, 2,5-dimethyl-	14.28	3500		NJ
10276-14-9	Benzene, [(3-phenyl-2-propenyl)thio]-	14.64	10000		NJ
629-78-7	Heptadecane	15.14	5900		NJ
243-17-4	11H-Benzo[b]fluorene	15.23	12000		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	15.32	6200		NJ
82657-04-3	Talstar	15.6	13000		NJ
4309-66-4	Stilbene, 4-amino- (E)-	15.8	7800		NJ
97825-91-7	9-Anthracenamine, 9,10-dihydro-	15.93	11000		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	16.05	11000		NJ
	Unknown_08	16.11	7000		J
629-94-7	Heneicosane	16.2	9700		NJ
	Unknown_09	16.51	11000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6 Location=SDC2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_10	16.87	8200	J
2498-77-3	Benz[a]anthracene, 1-methyl-	16.92	5200	NJ
	Unknown_11	17.14	14000	J
	Unknown_12	17.35	6500	J
601-58-1	Stigmastane	17.93	6900	NJ
	Unknown_13	18.49	7000	J
601-58-1	Stigmastane	18.59	4700	NJ
	Unknown_14	19.4	3200	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
646-31-1	Tetracosane	11.66	5300		NJ
	Unknown_01	11.92	4200		J
26137-53-1	Naphthalene, 1,2,3-trimethyl-4-propenyl-	12.01	28000		NJ
	Unknown_02	12.18	4300		J
	Unknown_03	12.42	4500		J
	Unknown_04	12.53	7700		J
7614-93-9	Benzene, 1,1'-(3-methyl-1-propene-1,3-di	12.6	6700		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.65	6300		NJ
	Unknown_05	12.94	4400		J
	Unknown_06	13.03	3900		J
	Unknown_07	13.44	6200		J
2531-84-2	Phenanthrene, 2-methyl-	13.58	7000		NJ
1207-15-4	2,8-Dimethyldibenzo(b,d)thiophene	13.74	4100		NJ
612-94-2	Naphthalene, 2-phenyl-	13.81	6400		NJ
3674-69-9	Phenanthrene, 4,5-dimethyl-	14.01	3300		NJ
52251-71-5	Anthracene, 2-ethyl-	14.18	5700		NJ
	Unknown_08	14.54	8600		J
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.79	3600		NJ
629-94-7	Heneicosane	15.04	6600		NJ
2381-21-7	Pyrene, 1-methyl-	15.12	6500		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	15.21	3800		NJ
74421-26-4	Benzeneethanol, .beta.-methyl-.beta.-phe	15.5	27000		NJ
4309-66-4	Stilbene, 4-amino- (E)-	15.71	12000		NJ
4309-66-4	Stilbene, 4-amino- (E)-	15.82	21000		NJ
	Unknown_09	15.94	18000		J
	Unknown_10	16.01	10000		J
629-94-7	Heneicosane	16.11	12000		NJ
	Unknown_11	16.42	19000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ6RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_12	16.78	11000		J
2541-69-7	Benz[a]anthracene, 7-methyl-	16.82	11000		NJ
	Unknown_13	17.03	29000		J
	Unknown_14	17.49	13000		J
601-58-1	Stigmastane	17.81	10000		NJ
	Unknown_15	18.81	3600		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ7 Location=SDD1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
3404-72-6	1-Pentene, 2,3-dimethyl-	3.62	1500	ug/kg	NJ
	Unknown_01	11.03	520		J
2416-20-8	Hexadecenoic acid, Z-11-	13.43	670		NJ
57-10-3	n-Hexadecanoic acid	13.53	930		NJ
1000293-16-	18-Norabietane	13.85	810		NJ
	Unknown_02	14.16	750		J
1000309-12-	Sulfurous acid, octadecyl 2-propyl ester	15.23	1000		NJ
7098-22-8	Tetratetracontane	15.68	580		NJ
1599-67-3	1-Docosene	16.12	3300		NJ
35599-77-0	Tridecane, 1-iodo-	16.96	2500		NJ
1119-87-5	1,2-Dodecanediol	16.99	3900		NJ
	Unknown_03	17.05	1200		J
	Unknown_04	17.11	780		J
629-62-9	Pentadecane	17.35	1000		NJ
36237-66-8	6,10,14-Hexadecatrien-1-ol, 3,7,11,15-te	17.52	1100		NJ
	Unknown_05	17.67	630		J
544-77-4	Hexadecane, 1-iodo-	17.74	3100		NJ
112-92-5	1-Octadecanol	17.77	4000		NJ
1724-39-6	Cyclododecanol	18.33	1100		NJ
	Unknown_06	18.42	840		J
601-58-1	Stigmastane	18.51	780		NJ
629-94-7	Heneicosane	18.55	1000		NJ
506-52-5	1-Hexacosanol	18.61	2700		NJ
2345-28-0	2-Pentadecanone	18.68	1000		NJ
	Unknown_07	18.9	550		J
	Unknown_08	19.06	490		J
	Unknown_09	19.3	1300		J
474-62-4	Campesterol	19.67	1200		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ7 Location=SDD1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_10	19.86	1500		J
	Unknown_11	20	1100		J
83-46-5	.beta.-Sitosterol	20.22	3300		NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.36	1700		NJ
	Unknown_12	20.6	1200		J
	Unknown_13	20.76	1200		J
1058-61-3	Stigmast-4-en-3-one	21.23	1900		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ8 Location=SDD2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
3404-72-6	1-Pentene, 2,3-dimethyl-	3.62	2800	ug/kg	NJ
558-37-2	1-Butene, 3,3-dimethyl-	4.14	1600		NJ
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.30	66000		NJAB
	Unknown_01	13.77	1300		J
1000293-16-	18-Norabietane	13.85	4000		NJ
638-67-5	Tricosane	15.23	1700		NJ
1686-66-4	Phenanthrene, 7-ethenyl-1,2,3,4,4a,4b,5,	15.57	1600		NJ
2541-75-5	8-Heptadecanol	16.14	5200		NJ
593-45-3	Octadecane	16.54	450		NJ
6920-24-7	Hexadecane-1,2-diol	16.58	990		NJ
629-92-5	Nonadecane	16.96	3800		NJ
1119-87-5	1,2-Dodecanediol	16.99	9300		NJ
2922-51-2	2-Heptadecanone	17.04	1100		NJ
	Unknown_02	17.11	1100		J
	Unknown_03	17.25	900		J
629-78-7	Heptadecane	17.35	920		NJ
	Unknown_04	17.39	680		J
	Unknown_05	17.63	950		J
1560-92-5	Hexadecane, 2-methyl-	17.73	3800		NJ
	Unknown_06	17.77	4500		J
75207-54-4	2-Pentacosanone	17.83	1100		NJ
20834-06-4	Dodecanoic acid, hexadecyl ester	17.87	890		NJ
629-73-2	1-Hexadecene	18.42	1100		NJ
629-78-7	Heptadecane	18.55	1900		NJ
1119-87-5	1,2-Dodecanediol	18.61	2700		NJ
17600-99-6	2-Nonacosanone	18.68	1500		NJ
	Unknown_07	18.89	1000		J
	Unknown_08	19.3	890		J
474-62-4	Campesterol	19.66	2000		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QQ8 Location=SDD2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_09	19.83	2500	J
	Unknown_10	19.99	1700	J
83-46-5	.beta.-Sitosterol	20.22	6000	NJ
19466-47-8	Stigmastanol	20.3	2400	NJ
1615-91-4	A'-Neogammacer-22(29)-ene	20.35	2800	NJ
	Unknown_11	20.5	1200	J
55331-88-9	Stigmastan-7-one	20.6	1400	NJ
1617-70-5	Lup-20(29)-en-3-one	20.76	1200	NJ
1058-61-3	Stigmast-4-en-3-one	21.22	1500	NJ
	Unknown_12	21.88	1300	J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1 Location=SDE1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1000222-86-	Oxime-, methoxy-phenyl-_	5.08	2400		NJ
57-10-3	n-Hexadecanoic acid	13.59	1300		NJ
41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	13.72	900		NJ
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.95	650		NJ
32598-14-4	1,1'-Biphenyl, 2,3,3',4,4'-pentachloro-	15.06	820		NJ
3442-78-2	Pyrene, 2-methyl-	15.22	1000		NJ
35599-77-0	Tridecane, 1-iodo-	15.3	1100		NJ
506-30-9	Eicosanoic acid	15.61	1600		NJ
	Unknown_01	16.13	1600		J
629-62-9	Pentadecane	16.19	2600		NJ
544-76-3	Hexadecane	17.04	2900		NJ
	Unknown_02	17.1	1100		J
	Unknown_03	17.14	1100		J
	Unknown_04	17.46	3200		J
7683-64-9	Squalene	17.6	4300		NJ
	Unknown_05	17.93	2900		J
	Unknown_06	17.98	1400		J
	Unknown_07	18.02	1600		J
192-97-2	Benzo[e]pyrene	18.08	1700		NJ
198-55-0	Perylene	18.25	1800		NJ
	Unknown_08	18.35	2500		J
	Unknown_09	18.5	2700		J
601-58-1	Stigmastane	18.6	2800		NJ
	Unknown_10	18.69	1200		J
55401-75-7	Anthracene, 9-dodecyltetradecahydro-	18.97	1800		NJ
1000285-40-	.beta.-iso-Methyl ionone	19.41	2500		NJ
	Unknown_11	19.77	1500		J
	Unknown_12	19.98	1800		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1 Location=SDE1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
83-46-5	.beta.-Sitosterol	20.33	3500		NJ
	Unknown_13	20.49	2100		J
	Unknown_14	20.73	1300		J
1058-61-3	Stigmast-4-en-3-one	21.37	2200		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1000222-86-	Oxime-, methoxy-phenyl-_	4.96	1500		NJ
57-10-3	n-Hexadecanoic acid	13.49	870		NJ
2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	13.6	610		NJ
2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	13.85	630		NJ
56558-16-8	1,1'-Biphenyl, 2,2',4,6,6'-Pentachloro-	14.56	490		NJ
68194-11-6	1,1'-Biphenyl, 2,3,4',5,6-Pentachloro-	14.96	690		NJ
243-17-4	11H-Benzo[b]fluorene	15.11	950		NJ
544-76-3	Hexadecane	15.19	1500		NJ
1000195-40-	2,4,5,5,8a-Pentamethyl-6,7,8,8a-tetrahyd	15.48	620		NJ
	Unknown_01	15.81	640		J
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	15.93	600		NJ
1000299-46-	3-Methyl-1-triisobutylsilyloxybut-2-ene	16.02	1400		NJ
112-95-8	Eicosane	16.1	1400		NJ
	Unknown_02	16.6	1100		J
593-45-3	Octadecane	16.93	2100		NJ
	Unknown_03	16.98	840		J
1000263-05-	Benzoic acid, 4-fluoro-, 2-isopropylphen	17.02	930		NJ
	Unknown_04	17.34	4200		J
7683-64-9	Squalene	17.49	4800		NJ
629-94-7	Heneicosane	17.7	2400		NJ
601-58-1	Stigmastane	17.81	3800		NJ
	Unknown_05	17.86	1900		J
	Unknown_06	17.91	1900		J
192-97-2	Benzo[e]pyrene	17.96	1800		NJ
	Unknown_07	18.22	4600		J
601-58-1	Stigmastane	18.38	4600		NJ
601-58-1	Stigmastane	18.46	4600		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.81	3800		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR1RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_08	19.24	5400		J
	Unknown_09	19.8	1800		J
83-46-5	.beta.-Sitosterol	20.15	3000		NJ
	Unknown_10	20.28	2700		J
1058-61-3	Stigmast-4-en-3-one	21.14	2100		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR2 Location=SDE2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
57-10-3	n-Hexadecanoic acid	13.52	470		NJ
2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tetrachloro-	13.65	480		NJ
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.89	530		NJ
74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	14.99	470		NJ
3442-78-2	Pyrene, 2-methyl-	15.15	590		NJ
544-76-3	Hexadecane	15.23	470		NJ
	Unknown_01	15.52	390		J
55255-58-8	Naphthalene, 1,2,3,4-tetrahydro-5,8-dime	16.05	450		NJ
6765-39-5	1-Heptadecene	16.13	700		NJ
629-78-7	Heptadecane	16.96	950		NJ
	Unknown_02	17.07	420		J
	Unknown_03	17.4	2400		J
	Unknown_04	17.53	1600		J
629-94-7	Heneicosane	17.74	930		NJ
601-58-1	Stigmastane	17.86	1500		NJ
	Unknown_05	17.9	1000		J
	Unknown_06	17.95	1100		J
192-97-2	Benzo[e]pyrene	17.99	1200		NJ
1000285-40-	.beta.-iso-Methyl ionone	18.09	570		NJ
	Unknown_07	18.27	2500		J
601-58-1	Stigmastane	18.32	1600		NJ
	Unknown_08	18.42	2500		J
601-58-1	Stigmastane	18.51	2100		NJ
	Unknown_09	18.61	1000		J
601-58-1	Stigmastane	18.72	790		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.86	1500		NJ
1000285-40-	.beta.-iso-Methyl ionone	19.31	1800		NJ
	Unknown_10	19.87	1000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR2 Location=SDE2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
83-46-5	.beta.-Sitosterol	20.23	1100	NJ
	Unknown_11	20.35	1100	J
1000158-61-	Tricyclo[5.2.1.0(2,6)]dec-8-ene-8,9-dica	20.6	670	NJ
1058-61-3	Stigmast-4-en-3-one	21.22	860	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3 Location=SDF1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
26137-53-1	Naphthalene, 1,2,3-trimethyl-4-propenyl-	12.12	8800		NJ
	Unknown_01	13.55	7600		J
57-10-3	n-Hexadecanoic acid	13.6	11000		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.68	11000		NJ
	Unknown_02	13.93	10000		J
	Unknown_03	14.31	9300		J
35575-54-3	D,D-Dihomoandrostane, (5.alpha.)-	14.84	10000		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.91	7100		NJ
	Unknown_04	15.16	9500		J
238-84-6	11H-Benzo[a]fluorene	15.24	21000		NJ
243-17-4	11H-Benzo[b]fluorene	15.32	11000		NJ
	Unknown_05	15.61	22000		J
	Unknown_06	15.79	8500		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.85	6500		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	16.07	18000		NJ
27208-37-3	Cyclopenta[cd]pyrene	16.15	19000		NJ
	Unknown_07	16.74	13000		J
	Unknown_08	16.8	15000		J
481-21-0	Cholestane	17.11	7800		NJ
	Unknown_09	17.14	17000		J
481-21-0	Cholestane	17.24	11000		NJ
	Unknown_10	17.94	8300		J
192-97-2	Benzo[e]pyrene	18.09	8200		NJ
198-55-0	Perylene	18.25	6800		NJ
	Unknown_11	18.51	13000		J
601-58-1	Stigmastane	18.6	16000		NJ
	Unknown_12	18.69	8100		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3 Location=SDF1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
53584-60-4	28-Nor-17.alpha.(H)-hopane	18.97	6800		NJ
1000285-40-	.beta.-iso-Methyl ionone	19.41	6200		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
26137-53-1	Naphthalene, 1,2,3-trimethyl-4-propenyl-	12.01	10000		NJ
	Unknown_01	13.44	9900		J
57-10-3	n-Hexadecanoic acid	13.5	12000		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.56	9900		NJ
41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	13.61	6100		NJ
	Unknown_02	13.82	11000		J
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.86	6900		NJ
1138-52-9	Phenol, 3,5-bis(1,1-dimethylethyl)-	14.19	12000		NJ
	Unknown_03	14.47	13000		J
2381-21-7	Pyrene, 1-methyl-	14.98	12000		NJ
	Unknown_04	15.05	14000		J
205-12-9	7H-Benzo[c]fluorene	15.13	21000		NJ
243-17-4	11H-Benzo[b]fluorene	15.21	9000		NJ
3442-78-2	Pyrene, 2-methyl-	15.26	6800		NJ
1000197-08-	1-Cyclohexene, 1,3,3-trimethyl-2-(1-meth	15.5	26000		NJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.75	7600		NJ
51640-60-9	Carbazole, 1,5-dimethyl-	15.83	15000		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	15.96	27000		NJ
195-19-7	Benzo[c]phenanthrene	16.01	11000		NJ
	Unknown_05	16.04	14000		J
	Unknown_06	16.63	14000		J
	Unknown_07	16.69	17000		J
2541-69-7	Benz[a]anthracene, 7-methyl-	16.83	9600		NJ
481-21-0	Cholestane	17	13000		NJ
	Unknown_08	17.04	19000		J
601-58-1	Stigmastane	17.82	13000		NJ
192-97-2	Benzo[e]pyrene	17.96	10000		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR3RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
198-55-0	Perylene	18.12	9700	NJ
601-58-1	Stigmastane	18.47	12000	NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4 Location=SDF2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
	Unknown_01	12.13	8500		J
	Unknown_02	13.05	9400		J
37680-65-2	1,1'-Biphenyl, 2,2',5-trichloro-	13.23	6600		NJ
	Unknown_03	13.55	8400		J
203-64-5	4H-Cyclopenta[def]phenanthrene	13.68	12000		NJ
32598-12-2	1,1'-Biphenyl, 2,4,4',6-tetrachloro-	13.73	8300		NJ
	Unknown_04	13.92	10000		J
	Unknown_05	14.3	12000		J
74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	14.68	7800		NJ
31508-00-6	1,1'-Biphenyl, 2,3',4,4',5-pentachloro-	15.08	13000		NJ
243-17-4	11H-Benzo[b]fluorene	15.25	26000		NJ
243-17-4	11H-Benzo[b]fluorene	15.34	10000		NJ
3353-12-6	Pyrene, 4-methyl-	15.52	10000		NJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.62	21000		NJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.85	9300		NJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	16.08	21000		NJ
27208-37-3	Cyclopenta[cd]pyrene	16.15	18000		NJ
	Unknown_06	16.75	19000		J
481-21-0	Cholestane	17.12	10000		NJ
	Unknown_07	17.84	27000		J
601-58-1	Stigmastane	17.94	11000		NJ
192-97-2	Benzo[e]pyrene	18.16	12000		NJ
198-55-0	Perylene	18.26	22000		NJ
	Unknown_08	18.5	11000		J
601-58-1	Stigmastane	18.61	17000		NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.97	8300		NJ
	Unknown_09	19.01	14000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4 Location=SDF2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
1000285-40-	.beta.-iso-Methyl ionone	19.42	9200		NJ
	Unknown_10	19.99	5800		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tetramethyl-	12.01	8000		DNJ
41464-46-4	1,1'-Biphenyl, 2,3',4',6-tetrachloro-	13.35	6800		DNJ
	Unknown_01	13.44	9500		DJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.56	12000		DNJ
41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tetrachloro-	13.61	8000		DNJ
	Unknown_02	13.81	12000		DJ
41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetrachloro-	13.85	10000		DNJ
	Unknown_03	13.97	10000		DJ
	Unknown_04	14.19	13000		DJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.46	13000		DNJ
641-85-0	Allopregnane	14.72	5500		DNJ
18259-05-7	1,1'-Biphenyl, 2,3,4,5,6-pentachloro-	14.97	9000		DNJ
243-17-4	11H-Benzo[b]fluorene	15.12	14000		DNJ
238-84-6	11H-Benzo[a]fluorene	15.2	7700		DNJ
	Unknown_05	15.49	8400		DJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	4600		DNJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.95	10000		DNJ
	Unknown_06	16.02	11000		DJ
	Unknown_07	16.62	8200		DJ
	Unknown_08	16.68	9100		DJ
481-21-0	Cholestane	16.99	6000		DNJ
	Unknown_09	17.5	13000		DJ
601-58-1	Stigmastane	17.81	16000		DNJ
192-97-2	Benzo[e]pyrene	17.96	12000		DNJ
198-55-0	Perylene	18.12	13000		DNJ
	Unknown_10	18.22	8200		DJ
601-58-1	Stigmastane	18.46	23000		DNJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR4DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_11	18.55	11000		DJ
	Unknown_12	19.24	8800		DJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR5 Location=SDG1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.05	160		NJ
629-97-0	Docosane	14.75	100		NJ
629-62-9	Pentadecane	15.23	140		NJ
35599-77-0	Tridecane, 1-iodo-	15.68	110		NJ
103-23-1	Hexanedioic acid, bis(2-ethylhexyl) este	15.71	170		NJ
112-88-9	1-Octadecene	16.12	310		NJ
112-95-8	Eicosane	16.54	110		NJ
593-45-3	Octadecane	16.95	240		NJ
544-76-3	Hexadecane	17.34	190		NJ
7683-64-9	Squalene	17.52	130		NJ
630-03-5	Nonacosane	17.73	300		NJ
	Unknown_02	18.5	96		J
629-62-9	Pentadecane	18.54	250		NJ
53584-60-4	28-Nor-17.alpha.(H)-hopane	18.85	130		NJ
747-90-0	Cholesta-3,5-diene	19.06	200		NJ
	Unknown_03	19.29	290		J
	Unknown_04	19.83	340		J
83-46-5	.beta.-Sitosterol	20.23	150		NJ
	Unknown_05	20.35	180		J
	Unknown_06	20.6	130		J
	Unknown_07	21.21	160		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6 Location=SDG2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
107-92-6	Butanoic acid	3.66	4900	ug/kg	NJ
21164-95-4	Hexadecane, 7,9-dimethyl-	11.77	3700		NJ
	Unknown_01	12.13	4100		J
629-59-4	Tetradecane	12.76	3400		NJ
	Unknown_02	13.23	4800		J
	Unknown_03	13.27	5100		J
55702-46-0	1,1'-Biphenyl, 2,3,4-trichloro-	13.35	4300		NJ
	Unknown_04	13.49	4600		J
	Unknown_05	13.57	7700		J
59130-69-7	Hexanoic acid, 2-ethyl-, hexadecyl ester	13.64	3500		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.69	6800		NJ
33025-41-1	1,1'-Biphenyl, 2,3,4,4'-tetrachloro-	13.74	3500		NJ
	Unknown_06	13.87	7000		J
1000293-16-	18-Norabietane	13.95	10000		NJ
	Unknown_07	14.33	6300		J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.61	9900		NJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.94	5300		NJ
	Unknown_08	14.98	3800		J
593-45-3	Octadecane	15.18	7100		NJ
	Unknown_09	15.27	15000		J
	Unknown_10	15.64	24000		J
	Unknown_11	15.81	16000		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.88	16000		NJ
	Unknown_12	16.18	16000		J
	Unknown_13	16.83	13000		J
	Unknown_14	17.16	11000		J
	Unknown_15	17.84	12000		J
601-58-1	Stigmastane	17.94	9600		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6 Location=SDG2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_16	18.52	9600		J
	Unknown_17	18.62	17000		J
1000285-40-	.beta.-iso-Methyl ionone	18.98	13000		NJ
	Unknown_18	19.43	21000		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
107-92-6	Butanoic acid	3.57	8700	ug/kg	DNJ
629-59-4	Tetradecane	12.65	4400		DNJ
	Unknown_01	13.44	7700		DJ
1000311-42-	9-Hydroxy-3,4-dihydro-2H-1,4-ethanoquino	13.53	4400		DNJ
	Unknown_02	13.74	7200		DJ
1000293-16-	18-Norabietane	13.82	12000		DNJ
	Unknown_03	13.98	6400		DJ
3674-74-6	Phenanthrene, 2-ethyl-	14.19	7000		DNJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.48	12000		DNJ
74630-83-4	1-Propene-2-thiol, 1,1-diphenyl-	14.56	7700		DNJ
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.81	5400		DNJ
	Unknown_04	14.85	5500		DJ
629-78-7	Heptadecane	14.93	5200		DNJ
629-78-7	Heptadecane	15.06	14000		DNJ
481-26-5	Pregnane	15.14	15000		DNJ
	Unknown_05	15.51	27000		DJ
	Unknown_06	15.69	20000		DJ
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.75	17000		DNJ
	Unknown_07	15.83	14000		DJ
	Unknown_08	15.97	39000		DJ
	Unknown_09	16.02	15000		DJ
	Unknown_10	16.04	28000		DJ
629-92-5	Nonadecane	16.16	26000		DNJ
	Unknown_11	16.39	16000		DJ
	Unknown_12	16.71	21000		DJ
	Unknown_13	17.05	20000		DJ
	Unknown_14	17.52	13000		DJ
	Unknown_15	17.73	15000		DJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR6DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
601-58-1	Stigmastane	17.82	16000		DNJ
	Unknown_16	18.23	15000		DJ
601-58-1	Stigmastane	18.47	26000		DNJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.83	20000		DNJ
	Unknown_17	19.26	16000		DJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR7 Location=SDH1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.06	230		NJ
593-45-3	Octadecane	12.62	180		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.6	350		NJ
612-94-2	Naphthalene, 2-phenyl-	13.84	200		NJ
112-40-3	Dodecane	14.25	200		NJ
33543-31-6	Fluoranthene, 2-methyl-	15	290		NJ
238-84-6	11H-Benzo[a]fluorene	15.15	370		NJ
629-92-5	Nonadecane	15.23	380		NJ
3353-12-6	Pyrene, 4-methyl-	15.29	200		NJ
646-31-1	Tetracosane	15.68	290		NJ
479-79-8	11H-Benzo[a]fluoren-11-one	15.83	490		NJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.98	350		NJ
195-19-7	Benzo[c]phenanthrene	16.02	320		NJ
203-12-3	Benzo[ghi]fluoranthene	16.04	440		NJ
479-79-8	11H-Benzo[a]fluoren-11-one	16.1	340		NJ
544-76-3	Hexadecane	16.12	530		NJ
25732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	16.46	300		NJ
239-01-0	11H-Benzo[a]carbazole	16.54	540		NJ
	Unknown_01	16.61	330		J
1705-84-6	Triphenylene, 2-methyl-	16.84	330		NJ
1705-84-6	Triphenylene, 2-methyl-	16.89	220		NJ
629-94-7	Heneicosane	16.95	590		NJ
2541-69-7	Benz[a]anthracene, 7-methyl-	17.02	250		NJ
630-02-4	Octacosane	17.35	410		NJ
	Unknown_02	17.48	210		J
75581-03-2	2,6,10,14,18-Pentamethyl-2,6,10,14,18-ei	17.53	280		NJ
630-03-5	Nonacosane	17.73	390		NJ
205-82-3	Benzo[j]fluoranthene	17.78	570		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR7 Location=SDH1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
192-97-2	Benzo[e]pyrene	17.99	1000		NJ
198-55-0	Perylene	18.16	540		NJ
36441-74-4	Baccharane	18.26	370		NJ
601-58-1	Stigmastane	18.51	290		NJ
112-95-8	Eicosane	18.55	310		NJ
	Unknown_03	18.7	270		J
36728-72-0	28-Nor-17.beta.(H)-hopane	18.85	360		NJ
	Unknown_04	18.9	290		J
	Unknown_05	19.3	410		J
193-43-1	Indeno[1,2,3-cd]fluoranthene	20.23	240		NJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8 Location=SDH2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
				ug/kg	
629-62-9	Pentadecane	10.78	370		NJ
544-76-3	Hexadecane	11.44	530		NJ
3892-00-0	Pentadecane, 2,6,10-trimethyl-	11.76	470		NJ
629-78-7	Heptadecane	12.09	870		NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.12	750		NJ
	Unknown_01	12.37	300		J
593-45-3	Octadecane	12.69	900		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.75	580		NJ
629-92-5	Nonadecane	13.26	860		NJ
613-12-7	Anthracene, 2-methyl-	13.55	400		NJ
544-76-3	Hexadecane	13.81	770		NJ
3674-66-6	Phenanthrene, 2,5-dimethyl-	14.28	340		NJ
629-94-7	Heneicosane	14.33	640		NJ
	Unknown_02	14.67	110		J
544-76-3	Hexadecane	14.82	82		NJ
629-78-7	Heptadecane	15.01	85		NJ
2381-21-7	Pyrene, 1-methyl-	15.09	93		NJ
243-17-4	11H-Benzo[b]fluorene	15.22	150		NJ
243-17-4	11H-Benzo[b]fluorene	15.3	160		NJ
646-31-1	Tetracosane	15.76	110		NJ
82-05-3	7H-Benz[de]anthracen-7-one	15.91	120		NJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	16.05	160		NJ
55282-14-9	Docosane, 9-butyl-	16.2	180		NJ
243-51-6	11H-Indeno(1,2-b)quinoline	16.63	100		NJ
	Unknown_03	16.69	96		J
	Unknown_04	16.78	110		J
2541-69-7	Benz[a]anthracene, 7-methyl-	16.92	67		NJ
3351-32-4	Chrysene, 2-methyl-	16.97	68		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8 Location=SDH2 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
544-76-3	Hexadecane	17.03	140	NJ
	Unknown_05	17.09	90	J
	Unknown_06	17.55	1100	J
192-97-2	Benzo[e]pyrene	17.86	640	NJ
601-58-1	Stigmastane	17.93	580	NJ
192-97-2	Benzo[e]pyrene	18.08	1400	NJ
198-55-0	Perylene	18.24	800	NJ
601-58-1	Stigmastane	18.6	1100	NJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.96	750	NJ
	Unknown_07	19	800	J
	Unknown_08	19.41	850	J
	Unknown_09	19.99	540	J
	Unknown_10	20.47	170	J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration ug/kg	Lab Qualifier
544-76-3	Hexadecane	11.34	490	DNJ
629-78-7	Heptadecane	11.97	750	DNJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.01	630	DNJ
593-45-3	Octadecane	12.58	810	DNJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.64	490	DNJ
629-59-4	Tetradecane	13.15	980	DNJ
610-48-0	Anthracene, 1-methyl-	13.4	550	DNJ
949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b-dihyd	13.43	480	DNJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.55	640	DNJ
84-78-6	1,2-Benzenedicarboxylic acid, butyl octy	13.58	560	DNJ
112-95-8	Eicosane	13.7	670	DNJ
54833-48-6	Heptadecane, 2,6,10,15-tetramethyl-	14.21	750	DNJ
13475-75-7	Pentadecane, 8-hexyl-	14.72	610	DNJ
2381-21-7	Pyrene, 1-methyl-	14.96	570	DNJ
243-17-4	11H-Benzo[b]fluorene	15.11	890	DNJ
629-62-9	Pentadecane	15.19	1000	DNJ
629-92-5	Nonadecane	15.65	1400	DNJ
479-79-8	11H-Benzo[a]fluoren-11-one	15.79	1500	DNJ
239-35-0	Benzo[b]naphtho[2,1-d]thiophene	15.94	1600	DNJ
195-19-7	Benzo[c]phenanthrene	15.98	2200	DNJ
479-79-8	11H-Benzo[a]fluoren-11-one	16.06	920	DNJ
629-94-7	Heneicosane	16.09	1500	DNJ
25732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	16.42	860	DNJ
239-01-0	11H-Benzo[a]carbazole	16.51	950	DNJ
1606-67-3	3-Aminopyrene	16.57	1300	DNJ
	Unknown_01	16.66	910	DJ
544-76-3	Hexadecane	16.76	1000	DNJ
629-59-4	Tetradecane	16.92	1400	DNJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR8DL Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
	Unknown_02	16.97	920	DJ
205-82-3	Benzo[j]fluoranthene	17.73	1100	DNJ
192-97-2	Benzo[e]pyrene	17.94	2200	DNJ
198-55-0	Perylene	18.09	1400	DNJ
55255-70-4	Anthracene, 9-cyclohexyltetradecahydro-	18.22	1700	DNJ
	Unknown_03	18.45	1000	DJ
36728-72-0	28-Nor-17.beta.(H)-hopane	18.8	1400	DNJ
	Unknown_04	18.84	1300	DJ
	Unknown_05	19.23	2100	DJ
	Unknown_06	19.8	960	DJ

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9 Location=SDI1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
41464-49-7	1,1'-Biphenyl, 2,3,3',5'-tetrachloro-	13.35	3600		NJ
	Unknown_01	13.43	4300		J
15968-05-5	1,1'-Biphenyl, 2,2',6,6'-tetrachloro-	13.61	4000		NJ
	Unknown_02	13.73	5500		J
1000293-16-	18-Norabietane	13.81	5800		NJ
52663-59-9	1,1'-Biphenyl, 2,2',3,4-tetrachloro-	13.84	3500		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	5200		NJ
641-85-0	Allopregnane	14.73	6700		NJ
6567-09-5	1,2,3,4-Tetrahydrobenzo[a]fluorene	14.8	4900		NJ
56558-18-0	1,1'-Biphenyl, 2,3',4,5',6-Pentachloro-	14.97	4700		NJ
641-85-0	Allopregnane	15.13	7300		NJ
	Unknown_03	15.22	3600		J
	Unknown_04	15.42	6800		J
	Unknown_05	15.5	8700		J
	Unknown_06	15.67	7400		J
87953-47-7	15-Isobutyl-(13.alpha.H)-isocopalane	15.74	8600		NJ
	Unknown_07	15.96	12000		J
	Unknown_08	16.04	15000		J
55401-75-7	Anthracene, 9-dodecyltetradecahydro-	16.7	4900		NJ
481-21-0	Cholestane	17	5500		NJ
	Unknown_09	17.04	11000		J
	Unknown_10	17.36	8200		J
	Unknown_11	17.51	7000		J
601-58-1	Stigmastane	17.82	6300		NJ
	Unknown_12	18.05	6200		J
	Unknown_13	18.13	11000		J
	Unknown_14	18.37	7700		J

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9 Location=SDI1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
601-58-1	Stigmastane	18.47	11000		NJ
	Unknown_15	19.25	6300		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA .Sample=E2QR9RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
35693-92-6	1,1'-Biphenyl, 2,4,6-trichloro-	13.23	3700		NJ
	Unknown_01	13.44	6600		J
	Unknown_02	13.52	5000		J
41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tetrachloro-	13.61	4500		NJ
	Unknown_03	13.74	12000		J
1000293-16-	18-Norabietane	13.82	8500		NJ
	Unknown_04	13.97	5100		J
	Unknown_05	14.18	7100		J
	Unknown_06	14.42	6800		J
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.47	7100		NJ
	Unknown_07	14.73	7300		J
638-67-5	Tricosane	14.93	4200		NJ
74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pentachloro-	14.98	7900		NJ
641-85-0	Allopregnane	15.13	9600		NJ
	Unknown_08	15.22	4300		J
	Unknown_09	15.42	11000		J
	Unknown_10	15.5	13000		J
	Unknown_11	15.58	7500		J
	Unknown_12	15.75	7700		J
	Unknown_13	16.05	18000		J
	Unknown_14	16.7	7100		J
481-20-9	Coprostane	17	8000		NJ
	Unknown_15	17.04	18000		J
	Unknown_16	17.36	8900		J
	Unknown_17	17.51	9800		J
	Unknown_18	17.82	9300		J
	Unknown_19	18.38	13000		J
601-58-1	Stigmastane	18.47	17000		NJ

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Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QR9RE Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
36728-72-0	28-Nor-17.beta.(H)-hopane	18.82	7800		NJ
	Unknown_20	19.25	9600		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS0 Location=SDI2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
43080-23-5	2-Propenoic acid, pentadecyl ester	11.99	15000	ug/kg	NJ
1921-70-6	Pentadecane, 2,6,10,14-tetramethyl-	12.07	26000		NJ
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.7	23000		NJ
26429-11-8	Heptadecane, 4-methyl-	13.17	17000		NJ
	Unknown_01	13.49	18000		J
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	13.8	14000		NJ
	Unknown_02	14.02	7500		J
16587-34-1	Naphtho[2,3-b]thiophene, 4,9-dimethyl-	14.06	14000		NJ
1560-89-0	Heptadecane, 2-methyl-	14.16	15000		NJ
	Unknown_03	14.23	15000		J
21164-95-4	Hexadecane, 7,9-dimethyl-	14.44	26000		NJ
6566-19-4	10,18-Bisnorabieta-5,7,9(10),11,13-penta	14.52	23000		NJ
37436-37-6	1,3-Diamino-5,6-dihydro-7-methylbenzo[f]	14.6	35000		NJ
	Unknown_04	14.8	19000		J
3674-73-5	Phenanthrene, 2,3,5-trimethyl-	14.84	16000		NJ
	Unknown_05	14.89	18000		J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	14.97	42000		NJ
13287-24-6	Nonadecane, 9-methyl-	15.09	41000		NJ
641-85-0	Allopregnane	15.17	31000		NJ
	Unknown_06	15.31	37000		J
593-45-3	Octadecane	15.35	27000		NJ
629-99-2	Pentacosane	15.46	45000		NJ
	Unknown_07	15.54	53000		J
70301-47-2	Chloroacetic acid, pentadecyl ester	15.66	19000		NJ
4860-03-1	Hexadecane, 1-chloro-	15.92	24000		NJ
	Unknown_08	15.99	36000		J
2050-77-3	Decane, 1-iodo-	16.06	31000		NJ
593-45-3	Octadecane	16.17	30000		NJ
	Unknown_09	16.19	26000		J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS0 Location=SDI2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
504-44-9	Hexadecane, 2,6,11,15-tetramethyl-	16.4	22000		NJ
	Unknown_10	16.47	16000		J
629-94-7	Heneicosane	16.61	23000		NJ
	Unknown_11	16.74	34000		J
1928-30-9	Tricosane, 2-methyl-	16.83	20000		NJ
	Unknown_12	16.93	24000		J
481-21-0	Cholestane	17.05	21000		NJ
	Unknown_13	17.09	28000		J
481-20-9	Coprostane	17.71	19000		NJ
97306-62-2	2,5,5,8a-Tetramethyl-6,7,8,8a-tetrahydro	17.77	35000		NJ
601-58-1	Stigmastane	17.87	38000		NJ
	Unknown_14	18.52	33000		J
36728-72-0	28-Nor-17.beta.(H)-hopane	18.88	12000		NJ
	Unknown_15	19.32	28000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS1 Location=SDJ1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	ug/kg	Lab Qualifier
107-92-6	Butanoic acid	3.74	630		NJ
1000222-86-	Oxime-, methoxy-phenyl-_	5.02	800		NJ
	Unknown_02	11.32	1600		J
4534-50-3	Benzene, (1-butylnonyl)-	11.59	660		NJ
	Unknown_03	11.76	890		J
	Unknown_04	11.78	1100		J
	Unknown_05	11.87	840		J
4218-48-8	Benzene, 1-ethyl-4-(1-methylethyl)-	11.93	540		NJ
	Unknown_06	11.99	1500		J
55134-07-1	Benzene, (1,1,4,6,6-pentamethylheptyl)-	12.18	690		NJ
	Unknown_07	12.92	350		J
2091-29-4	9-Hexadecenoic acid	13.45	600		NJ
57-10-3	n-Hexadecanoic acid	13.55	1100		NJ
10544-50-0	Cyclic octaatomic sulfur	14.18	33000		NJ
102037-88-7	3-Methyl-2-(3,7,11-trimethyldodecyl)thio	14.49	540		NJ
13287-25-7	Heneicosane, 10-methyl-	15.24	750		NJ
1000309-12-	Sulfurous acid, octadecyl 2-propyl ester	16.14	2200		NJ
629-78-7	Heptadecane	16.98	1900		NJ
7683-64-9	Squalene	17.54	1100		NJ
	Unknown_08	17.7	1400		J
13475-76-8	Docosane, 11-butyl-	17.75	1300		NJ
	Unknown_09	17.86	1200		J
1000285-40-	.beta.-iso-Methyl ionone	18.28	1000		NJ
601-58-1	Stigmastane	18.44	1100		NJ
	Unknown_10	18.52	1500		J
	Unknown_11	18.62	1300		J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS1 Location=SDJ1 Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration	Lab Qualifier
36728-72-0	28-Nor-17.beta.(H)-hopane	18.88	1600	NJ
	Unknown_12	19.13	760	J
55255-70-4	Anthracene, 9-cyclohexyltetradecahydro-	19.32	2200	NJ
474-62-4	Campesterol	19.68	1000	NJ
83-48-7	Stigmasterol	19.86	1800	NJ
83-46-5	.beta.-Sitosterol	20.24	5300	NJ
19466-47-8	Stigmastanol	20.33	1200	NJ
	Unknown_13	20.38	1200	J
	Unknown_14	20.63	1400	J
1058-61-3	Stigmast-4-en-3-one	21.25	2200	NJ
	Unknown_15	22.01	2500	J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS2 Location=SDJ2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_01	12.07	250000	ug/kg	J
638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	12.7	110000		NJ
203-64-5	4H-Cyclopenta[def]phenanthrene	13.61	340000		NJ
612-94-2	Naphthalene, 2-phenyl-	13.86	150000		NJ
3891-98-3	Dodecane, 2,6,10-trimethyl-	14.15	120000		NJ
886-66-8	Benzene, 1,1'-(1,3-butadiyne-1,4-diyl)bi	14.52	120000		NJ
	Unknown_02	14.62	150000		J
629-78-7	Heptadecane	14.95	190000		NJ
243-17-4	11H-Benzo[b]fluorene	15.02	120000		NJ
629-94-7	Heneicosane	15.07	120000		NJ
243-17-4	11H-Benzo[b]fluorene	15.16	350000		NJ
243-17-4	11H-Benzo[b]fluorene	15.24	240000		NJ
629-92-5	Nonadecane	15.44	110000		NJ
	Unknown_03	15.52	140000		J
1241-94-7	Octicizer	15.96	120000		NJ
243-46-9	Benzo[b]naphtho[2,3-d]thiophene	15.98	200000		NJ
195-19-7	Benzo[c]phenanthrene	16.03	150000		NJ
112-40-3	Dodecane	16.14	150000		NJ
	Unknown_04	16.4	110000		J
82-05-3	7H-Benz[de]anthracen-7-one	16.52	110000		NJ
629-97-0	Docosane	16.8	180000		NJ
2541-69-7	Benz[a]anthracene, 7-methyl-	16.86	160000		NJ
	Unknown_05	16.91	110000		J
	Unknown_06	16.98	120000		J
	Unknown_07	17.05	170000		J
	Unknown_08	17.12	120000		J
630-01-3	Hexacosane	17.24	140000		NJ
	Unknown_09	17.46	200000		J
192-97-2	Benzo[e]pyrene	17.79	110000		NJ

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=E2QS2 Location=SDJ2 Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
192-97-2	Benzo[e]pyrene	18	460000		NJ
198-55-0	Perylene	18.16	270000		NJ
	Unknown_10	18.25	150000		J
	Unknown_11	18.4	110000		J
	Unknown_12	18.52	300000		J
	Unknown_13	18.71	140000		J
	Unknown_14	18.87	200000		J
	Unknown_15	19.31	160000		J

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLKL8 Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
141-79-7	3-Penten-2-one, 4-methyl-	3.67	77	ug/kg	NJA
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.31	11000		NJA
	Unknown_01	9.27	350		J

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLKM4 Location=No_TR_data Matrix=Soil Level=Medium

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
	Unknown_01	9.28	3000	ug/kg	J
2156-97-0	Dodecyl acrylate	11.99	2800		NJ

REFERENCE 121 Page 4781

National Functional Guidelines Report # 9

Lab STLV (TestAmerica) **SDG** E2QQ1 **Case** 38525 **Contract** EPW07057 **Region** 5 **DDTID** 73238 **SOW** SOM01.2

Tentatively identified Compounds

BNA Sample=SBLKO1 Location=No_TR_data Matrix=Soil Level=Low

CAS No.	Compound Name	RT (mins)	Concentration		Lab Qualifier
123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.24	7600	ug/kg	NJA
	Unknown_01	9.23	560		J

Controlled Document

#_____

Regional Transmittal Form

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE:

SUBJECT: Review of Data
Received for Review on 29 May 09

FROM: Stephen L. Ostrodka, Chief (SRT-5J)
Superfund Field Services Section

TO: Data User: IDEM

We have reviewed the data for the following case:

SITE NAME: Gary Dev Co INC (IN)

CASE NUMBER: 38525 SDG NUMBER: E2QQ1

Number and Type of Samples: 20 Soil samples

Sample Numbers: E2QQ1-Q8; R1-R9; S0-S2

Laboratory: TestAmerica Burlington Hrs for Review: _____

Following are our findings:

C: Howard Pham
Region 5 TPO
Mail Code: SRT-5J

Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number E2QQ1

Laboratory Name TestAmerica Burlington Lab Code STLV

Contract No. EP-W-07-057 Case No. 38525

Analysis Price $15,408.80 SDG Turnaround 21 Days

EPA Sample Numbers in SDG (Listed in Numerical Order)

1) E2QQ1	7) E2QQ7	13) E2QR5	19) E2QS1
2) E2QQ2	8) E2QQ8	14) E2QR6	20) E2QS2
3) E2QQ3	9) E2QR1	15) E2QR7	21)
4) E2QQ4	10) E2QR2	16) E2QR8	22)
5) E2QQ5	11) E2QR3	17) E2QR9	23)
6) E2QQ6	12) E2QR4	18) E2QS0	24)

First Sample in SDG: E2QQ1

Last Sample in SDG: E2QS2

First Sample Receipt Date: 05/07/2009

Last Sample Receipt Date: 05/07/2009

Note: *There are a maximum of 20* ***field*** *samples [excluding Performance Evaluation (PE) samples] in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Signature Kaylynn J. Langric Date 05/13/09

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38525
DAS No:
SDG No: E2QQ1

L

Date Shipped:	5/6/2009
Carrier Name:	FedEx
Airbill:	811417072027
Shipped to:	Severn Trent Laboratories Inc. 30 Community Drive Suite 11 South Burlington VT 05403 (802) 660-1990

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	5/6/09 2:30pm	[signature]	5/7/09 1050
2				
3				
4				

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2QQ1	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129002 (Ice Only), 5C129003 (Ice Only), 5C129004 (Ice Only) (3)	SDA1	S: 5/5/2009	11:25		
E2QQ2	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129006, 5C129007 (Ice Only), 5C129008 (Ice Only) (3)	SDA2	S: 5/5/2009	11:40		
E2QQ3	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129010 (Ice Only), 5C129011 (Ice Only), 5C129012 (Ice Only) (3)	SDB1	S: 5/6/2009	12:30		
E2QQ4	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129014 (Ice Only), 5C129015 (Ice Only), 5C129016 (Ice Only) (3)	SDB2	S: 5/5/2009	12:42		
E2QQ5	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129018 (Ice Only), 5C129019 (Ice Only), 5C129020 (Ice Only) (3)	SDC1	S: 5/5/2009	14:20		

Shipment for Case Complete? N: Y	**Sample(s) to be used for laboratory QC:**	**Additional Sampler Signature(s):** [signature] [signature]	**Cooler Temperature Upon Receipt:** 6.0	**Chain of Custody Seal Number:** 23707 / 23708
Analysis Key:	**Concentration:** L = Low, M = Low/Medium, H = High	**Type/Designate:** Composite = C, Grab = G		**Custody Seal Intact?** Y **Shipment Iced?** Y

BNA = CLP TCL Semivolatiles, PCB-ARO = PCB, Pesticide = Pesticide

TR Number: 5-420891360-050609-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY

REFERENCE 121 Page 4785

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38525
DAS No:
SDG No: E2QQ1

L

Date Shipped:	5/6/2009
Carrier Name:	FedEx
Airbill:	811417072016
Shipped to:	Severn Trent Laboratories Inc. 30 Community Drive Suite 11 South Burlington VT 05403 (802) 660-1990

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[illegible]	5/6/09 2:30 PM	[illegible]	5/7/09 [illegible]
2				
3				
4				

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2QQ6	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129022 (Ice Only), 5C129023 (Ice Only), 5C129024 (Ice Only) (3)	SDC2	S: 5/5/2009	14:35		
E2QQ7	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129026 (Ice Only), 5C129027 (Ice Only), 5C129028 (Ice Only) (3)	SDD1	S: 5/5/2009	15:15		
E2QQ8	Sediment/ Mike Sickels	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129030 (Ice Only), 5C129031 (Ice Only), 5C129032 (Ice Only) (3)	SDD2	S: 5/5/2009	15:30		
E2QR1	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129053 (Ice Only), 5C129054 (Ice Only), 5C129055 (Ice Only) (3)	SDE1	S: 5/5/2009	11:39		
E2QR2	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129057 (Ice Only), 5C129058 (Ice Only), 5C129059 (Ice Only) (3)	SDE2	S: 5/5/2009	11:40		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [illegible]	Cooler Temperature Upon Receipt: 5.1	Chain of Custody Seal Number: 23705/23706
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y / Shipment Iced? Y

BNA = CLP TCL Semivolatiles, PCB-ARO = PCB, Pesticide = Pesticide

TR Number: 5-420891360-050609-0004

PR provides pre[illegible]ary results. Requests for preliminary results will increase analytical costs.
Send Copy to: [illegible]le Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., [illegible]ntilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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F2V5.1

REFERENCE 121 Page 4786

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38525
DAS No:
SDG No: E2QQ1

L

Date Shipped:	5/5/2009
Carrier Name:	FedEx
Airbill:	811417071991
Shipped to:	Severn Trent Laboratories Inc. 30 Community Drive Suite 11 South Burlington VT 05403 (802) 660-1990

Chain of Custody Record

	Relinquished By	(Date / Time)	Received By	(Date / Time)
1	[signature]	5/6/09 2:30	[signature]	5/7/09 1020
2				
3				
4				

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2QR3	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129061 (Ice Only), 5C129062 (Ice Only), 5C129063 (Ice Only) (3)	SDF1	S: 5/5/2009	12:03		
E2QR4	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129065 (Ice Only), 5C129066 (Ice Only), 5C129067 (Ice Only) (3)	SDF2	S: 5/5/2009	12:05		
E2QR5	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129069 (Ice Only), 5C129070 (Ice Only), 5C129071 (Ice Only) (3)	SDG1	S: 5/5/2009	13:10		
E2QR6	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21)	5C129073 (Ice Only), 5C129074 (Ice Only) (2)	SDG2	S: 5/5/2009	13:20		
E2QR7	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129077 (Ice Only), 5C129078 (Ice Only), 5C129079 (Ice Only) (3)	SDH1	S: 5/5/2009	14:00		

CK 5/7/09

Shipment for Case Complete?	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
N		[signature]	5.8	23701 / 23702

Analysis Key: **Concentration:** L = Low, M = Low/Medium, H = High **Type/Designate:** Composite = C, Grab = G

Custody Seal Intact? Y **Shipment Iced?** Y

BNA = CLP TCL Semivolatiles, PCB-ARO = PCB, Pesticide = Pesticide

TR Number: 5-420891360-050609-0001

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38525
DAS No:
SDG No: E2QQ1

L

Date Shipped:	5/5/2009
Carrier Name:	FedEx
Airbill:	811417071991
Shipped to:	Severn Trent Laboratories Inc. 30 Community Drive Suite 11 South Burlington VT 05403 (802) 660-1990

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 Mark Jaworski	5/6/09 2:32pm	Dawn Kalb	5/7/09 1020
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2QR6	Sediment/ Mark Jaworski	M/G	Pesticide (21)	5C129075 (Ice Only) (1)	SDG2	S: 5/5/2009	13:20		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 5.8	Chain of Custody Seal Number: 23702 23701 ~~23703~~
Analysis Key: Pesticide = Pesticide	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TR Number: 5-420891360-050609-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: [illegible]le Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr. [illegible]tilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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REFERENCE 121 Page 4788

USEPA Contract Laboratory Program
Organic Traffic Report & Chain of Custody Record

Case No: 38525
DAS No:
SDG No: E2QQ1

L

Date Shipped:	5/6/2009
Carrier Name:	FedEx
Airbill:	811417072005
Shipped to:	Severn Trent Laboratories Inc. 30 Community Drive Suite 11 South Burlington VT 05403 (802) 660-1990

Chain of Custody Record

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	5/6/09 2:30 PM	[signature]	5/7/09 1020
2			
3			
4			

Sampler Signature:

For Lab Use Only

Lab Contract No:
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
E2QR8	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129081 (Ice Only), 5C129082 (Ice Only), 5C129083 (Ice Only) (3)	SDH2	S: 5/5/2009 14:20		
E2QR9	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129085 (Ice Only), 5C129086 (Ice Only), 5C129087 (Ice Only) (3)	SDI1	S: 5/5/2009 15:25		
E2QS0	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129034 (Ice Only), 5C129035 (Ice Only), 5C129036 (Ice Only) (3)	SDI2	S: 5/5/2009 15:35		
E2QS1	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129038 (Ice Only), 5C129039 (Ice Only), 5C129040 (Ice Only) (3)	SDJ1	S: 5/5/2009 16:11		
E2QS2	Sediment/ Mark Jaworski	M/G	BNA (21), PCB-ARO (21), Pesticide (21)	5C129042 (Ice Only), 5C129043 (Ice Only), 5C129044 (Ice Only) (3)	SDJ2	S: 5/5/2009 16:21		

last sample in SDG

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): [signature]	Cooler Temperature Upon Receipt: 5.9	Chain of Custody Seal Number: 23703 / 23704
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G		Custody Seal Intact? Y Shipment Iced? Y

BNA = CLP TCL Semivolatiles, PCB-ARO = PCB, Pesticide = Pesticide

TR Number: 5-420891360-050609-0003

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

F2V6.1. 047 Page 1 of 1

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

SDG Narrative

TestAmerica Laboratories, Inc.

Date Submitted: May 27th, 2009

Contract: EP-W-07-057; Case: 38525; SDG: E2QQ1

Enclosed are analytical results for samples that were received by TestAmerica Burlington on May 7th, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/07/09 ETR No: 131597		
794701	E2QQ1	05/05/09	SEDIMENT
794701R1	E2QQ1RE	05/05/09	SEDIMENT
794701MS	E2QQ1MS	05/05/09	SEDIMENT
794701MD	E2QQ1MSD	05/05/09	SEDIMENT
794702	E2QQ2	05/05/09	SEDIMENT
794702R1	E2QQ2RE	05/05/09	SEDIMENT
794702MS	E2QQ2MS	05/05/09	SEDIMENT
794702MD	E2QQ2MSD	05/05/09	SEDIMENT
794703	E2QQ3	05/05/09	SEDIMENT
794703R1	E2QQ3RX	05/05/09	SEDIMENT
794704	E2QQ4	05/05/09	SEDIMENT
794705	E2QQ5	05/05/09	SEDIMENT
794706	E2QQ6	05/05/09	SEDIMENT
794706R1	E2QQ6RE	05/05/09	SEDIMENT
794707	E2QQ7	05/05/09	SEDIMENT
794708	E2QQ8	05/05/09	SEDIMENT
794709	E2QR1	05/05/09	SEDIMENT
794709R1	E2QR1RE	05/05/09	SEDIMENT
794710	E2QR2	05/05/09	SEDIMENT
794711	E2QR3	05/05/09	SEDIMENT
794711R1	E2QR3RE	05/05/09	SEDIMENT
794712	E2QR4	05/05/09	SEDIMENT
794712D1	E2QR4DL	05/05/09	SEDIMENT
794713	E2QR5	05/05/09	SEDIMENT
794714	E2QR6	05/05/09	SEDIMENT
794714D1	E2QR6DL	05/05/09	SEDIMENT
794715	E2QR7	05/05/09	SEDIMENT
794716	E2QR8	05/05/09	SEDIMENT
794716D1	E2QR8DL	05/05/09	SEDIMENT
794717	E2QR9	05/05/09	SEDIMENT
794717R1	E2QR9RE	05/05/09	SEDIMENT
794718	E2QS0	05/05/09	SEDIMENT

30 Community Drive Suite 11 South Burlington, VT 05403 tel 802.660.1990 fax 802.660.1919 www.testamericainc.com

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/07/09 ETR No: 131597 (Continued)		
794719	E2QS1	05/05/09	SEDIMENT
794720	E2QS2	05/05/09	SEDIMENT

The condition of the samples and the issues identified at the time of sample log-in are detailed in the Sample Handling section at the end of this submittal.

All of the sample volumes were received in one shipment of four coolers. A temperature blank was not included in the cooler that contained the sample volumes for samples E2QR3, E2QR4, E2QR5, E2QR6, and E2QR7. This was identified to the Regional Office through the Sample Management Office (e-mail resolution dated May 8th). The temperature of the contents of each cooler in the shipment was determined at the time of receipt using an infrared wavelength determinative method. The recorded temperatures were 5.8 °C, 5.9 °C, 5.1 °C, and 6.0 °C. The sample volumes were logged into the laboratory for analysis and maintained in refrigerated storage at 4 °C.

The TR/COCs listed four different airbill numbers that provided for the shipment, although the samples were shipped under one master airbill (8144 1707 2027). Additionally, the TR/COC listed sample E2QQ3 as having a collection date of May 6th. This did not match the collection date on the sample tags attached to the sample containers for sample E2QQ3, which referenced May 5th as the collection date. The laboratory did identify the issue to the Regional Office through the Sample Management Office, and was directed to use the date of collection as recorded on the sample tags for sample log-in (e-mail resolution dated May 8th).

The TR/COCs did not identify a sample for matrix spike and matrix spike duplicate analyses, although the need for these quality control analyses was identified at the time of scheduling. The laboratory did confirm with the Regional Office through the Sample Management Office that the quality control analyses were required, and assigned those analyses to sample E2QQ1 (e-mail resolution dated May 7th).

SOM01 .2 (Semivolatile Organics)

The samples were extracted using the ultrasonic extraction procedure. The required gel permeation chromatography clean-up was applied to the preparation of the extract.

Based on the results of preliminary screening, samples E2QQ2, E2QS0, and E2QS2 were extracted by the medium level method. The results of the preliminary screening were identified to the Regional Office through the Sample Management Office. The laboratory was directed to provide matrix spike and matrix spike duplicate analyses as part of the medium level extraction set, and designated sample E2QQ2 for those analyses (e-mail resolution dated May 13th).

The extracts of samples E2QQ1, E2QQ6, E2QR3, E2QR4, E2QR6, E2QR9, and E2QS2 were analyzed at a dilution based on the results of preliminary screening. An additional, dilution analysis was performed on the extracts of samples E2QR4, E2QR6, and E2QR8 in order to

provide for quantification within the range of calibrated instrument response. Both sets of results for the analysis of samples E2QR4, E2QR6, and E2QR8 are included in this submittal.

The analysis of samples E2QQ1, E2QQ2, E2QR3, E2QR4, E2QR6, E2QR8, and E2QR9 did exhibit a low internal standard performance. The extracts of samples E2QQ1, E2QQ2, E2QR3, and E2QR9 were reanalyzed, and each of the follow-up analyses exhibited similarly low internal standard responses. Additionally, the extracts of samples E2QR4, E2QR6, and E2QR8 were analyzed at a further dilution in order to provide quantification within the range of calibrated instrument response. The dilution analysis of samples E2QR4 and E2QR6 exhibited similarly low internal standard responses. Both sets of results for the analysis of samples E2QQ1, E2QQ2, E2QR3, E2QR4, E2QR6, and E2QR9 are included in this submittal. There was an acceptable recovery of each deuterated monitoring compound (DMC) in the analysis of each method blank associated with the analytical work. With the exception of that performed on sample E2QQ3, the analysis of each sample in this sample set did meet the technical acceptance criteria specific to DMC recoveries, although not all DMC recoveries were within the control range in each analysis. The method allowance criteria provides for the recovery of up to four DMCs to be outside the control range in the analysis of field samples. In the analysis of sample E2QQ3 the DMC recoveries were uniformly low (approximating 20 percent), with the recovery of eight DMCs falling below the lower control limit. The sample was re-extracted, and analyzed a second time. There was an acceptable recovery of each DMC in that analysis. The re-extraction of sample E2QQ3 did occur on May 22nd, five days after the established holding time had elapsed. Both sets of results for the analysis of sample E2QQ3 are include in this submittal. Additionally, the analysis of sample E2QS1 also yielded relatively low DMC recoveries. Although the recovery values technically met the acceptance criteria, the laboratory did pursue an analysis of the pre-GPC archived extract volume. The laboratory routinely archives 2.0 milliliters of the 10.0 milliliter pre-GPC extract volume for contingency purposes. In pursuing the analytical work on sample E2QS1, the 2.0 milliliter archived volume was brought to 0.2 milliliters, and was analyzed. That analysis yielded improved DMC recoveries, and only the results of that analysis are included in this submittal. Documentation of the analysis of the post-GPC extract of sample E2QS1 is included in the Sample Preparation section of this submittal. Matrix spike and matrix spike duplicate analyses were performed by the low level method on sample E2QQ1. The recoveries of N-nitroso-di-n-propylamine (approximating 36 percent) and pyrene (approximating 16 percent) were low in each analysis. Additionally, the recoveries of phenol (24 percent) and 2,4-dinitrotoluene (21 percent) were low in the matrix spike analysis. The results for phenol, acenaphthene, 4-nitrophenol, and pyrene did yield high relative percent difference values in the interanalysis comparison. Matrix spike and matrix spike duplicate analyses were performed by the medium level method on sample E2QQ2. There was an acceptable recovery of each target analyte in both the matrix spike and the matrix spike duplicate analysis, and there was an acceptable correlation of the results in the interanalysis comparison. A trace concentration of bis (2-ethylhexyl) phthalate was identified in the analysis of one of the method blanks associated with the analytical work, identified as SBLKO1. The derived concentration of bis (2-ethylhexyl) phthalate in that analysis was below the established reporting limit, and the analysis did meet the technical acceptance criteria for a compliant method blank analysis.

The responses for each target analyte met the relative standard deviation criterion in the initial calibration. The response for each target analyte met the percent difference criterion in each opening/continuing calibration check acquisition. In three of the closing calibration check acquisitions the response for certain of the target analytes failed to meet the 50.0 percent difference criterion. The failures were consistent, insofar as there were common compounds at

issue. Those compounds were hexachlorocyclopentadiene, 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, indeno (1,2,3-cd) pyrene, dibenzo (a,h) anthracene, and benzo (g,h,i) perylene. Also in common across the three analytical sequences were the samples that were being analyzed. With the exception of samples E2QR9, E2QS0, E2QS1, and E2QS2, the extract of each sample that was analyzed in a failed sequence was reanalyzed in a second sequence that also failed. The laboratory has provided two sets of results for the analysis of samples E2QQ6 and E2QR1 to further support the analysis of those samples. The laboratory was able to provide for the analysis of samples E2QQ4, E2QQ5, E2QQ7, E2QQ8, E2QR2, E2QR5, and E2QR7 within a fully compliant analytical sequence by using the preliminary screening information to constrain the analytical sequence to these less problematic samples. The laboratory did identify the issues relating to the failed analytical sequences to the Sample Management Office for direction in providing for the analysis of the samples and the reporting of the acquired data (e-mail resolution dated May 22nd).

The primary quantitation mass for phenol-d_5 that is specified in the Statement of Work is mass 99. The laboratory did identify a contribution to mass 99 from bis (2-chloroethyl) ether-d_8, one of the other deuterated monitoring compounds (DMCs). The laboratory did change the primary quantitation mass assignment to mass 71 for the quantification of phenol-d_5.

The samples were analyzed on an instrument identified as "R.i" within the laboratory, which was manufactured by Hewlett Packard. The following is a table of the chromatographic columns that were used in the performance of the work:

Manufacturer	Restek
Column Type	Rxi-5ms
Length	30m
Inner Dia.	0.25mm
Film Thickness	0.25um

As defined by its performance in the MDL studies that were completed by the laboratory, specific to the SOM01.2 method of analysis, the performance of the alternate column was documented as being comparable to those specified in the method. This assessment is based on the ability of the alternate column to meet the specified technical acceptance criteria.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and extracted ion current profiles are included in the data package. The following explanation codes were used in identifying the reason for the manual quantifications, and these appear on the extracted ion current profiles.

MI = Peak Missed
M2 = Misidentification of Peak
M3 = Poor Automated Baseline

An itemized listing of the manual integrations that were performed immediately follows this narrative discussion, referencing the specific acquisition file names and the compounds for which manual integration was applied.

The following is an example calculation for deriving a result from the GC/MS quantitation report

for a soil sample analyzed by the low level method:

$(66.202\ ng_{analyte}\ /2.0\ uL_{extract})\ x\ (1000\ uL_{extract}\ /30.0\ gm_{sample\text{-}wet})\ x\ (1.0\ ug_{analyte}\ /1000\ ng_{analyte})\ x$
$(100\ gm_{sample\text{-}wet}\ /100\ gm_{sample\text{-}dry})\ x\ (1000\ gm_{sample\text{-}dry}\ /1.0\ Kg_{sample\text{-}dry}) = 1103.367\ ug_{analyte}\ /Kg_{sample\text{-}dry}$
(expressed as 1100 ug/Kg on the Form I Summary)

The following is an example calculation for deriving a result from the GC/MS quantitation report for a soil sample analyzed by the medium level method:

$(66.202\ ng_{analyte}\ /2.0\ uL_{extract})\ x\ (1000\ uL_{extract}\ /1.0\ gm_{sample\text{-}wet})\ x\ (1.0\ ug_{analyte}\ /1000\ ng_{analyte})\ x$

$(100\ gm_{sample\text{-}wet}\ /100\ gm_{sample\text{-}dry})\ x\ (1000\ gm_{sample\text{-}dry}\ /1.0\ Kg_{sample\text{-}dry}) = 33{,}101\ ug_{analyte}\ /Kg_{sample\text{-}dry}$
(expressed as 33,000 ug/Kg on the Form I Summary)

SOM01.2 (Chlorinated Pesticides)

The samples were extracted using the ultrasonic extraction procedure. The applied clean-ups included the required gel permeation chromatography (GPC) and florisil cartridge clean-ups, and included an additional clean-up for the removal of sulfur using activated copper.

Due to the high constituent concentration of dissolved solids in the extracts of samples E2QQ1, E2QQ2, E2QR1, E2QR3, E2QR4, E2QR6, E2QR9, E2QS0, and E2QS2 it was necessary to depart from the routine GPC clean-up procedure in order not to overload the column. For samples E2QQ1, E2QR1, E2QR3, E2QR4, E2QR6, E2QR9, and E2QS2, a 2.0 milliliter aliquot of the 10.0 milliliter pre-GPC extract volume was diluted to 10.0 milliliters and taken through the GPC clean-up, and the final extract volume was brought to 1.0 milliliters for analysis. For samples E2QQ2 and E2QS0, a 1.0 milliliter aliquot of the 10.0 milliliter pre-GPC extract volume was diluted to 10.0 milliliters and taken through the GPC clean-up, and the final extract volume was brought to 1.0 milliliters for analysis. This represented an inherent 2-fold dilution of the extracts of samples E2QQ2 and E2QS0. The issues associated with the GPC clean-up process were identified to the Regional Office through the Sample Management Office, and the Regional Office concurred with the approach that was proposed by the laboratory (e-mail resolution dated May 13th).

The extracts of samples E2QQ1, E2QQ2, E2QR1, E2QR2, E2QR3, E2QR4, E2QR6, E2QR8, E2QR9, E2QS0, and E2QS2 were analyzed at a dilution in order to provide quantification within the range of calibrated instrument response and/or to maintain stability in the instrumental analysis. The dilutions that were made were based on the results of preliminary screening, and ranged from a 2-fold dilution up to a 10-fold dilution. The laboratory did attempt an analytical sequence to provide for an analysis of each of the referenced samples without a dilution of the extracts. The closing calibration check acquisition for that analytical sequence failed to meet the specified calibration criteria, despite the inclusion of instrument blanks between each of the sample acquisitions. Documentation for the failed sequence is included in the Sample Preparation section of this submittal. The laboratory attempted to identify the issues associated with the failed analytical sequence to the Regional Office through the Sample Management Office, although that communication may not have been forwarded to the Regional Office for resolution (e-mail resolution dated May 27th).

Each analysis associated with the sample set did meet the technical acceptance criteria specific to surrogate recovery performance. Matrix spike and matrix spike duplicate analyses were performed on sample E2QQ1. Those analyses were performed at a 5-fold dilution. This was in contrast to the analysis of the parent sample which was performed at a 2-fold dilution. The difference in dilution was due to the differences in the constituent concentration of higher boiling petroleum hydrocarbons in the extracts. On the RTX-CLP column, the recovery of gamma-BHC was low in the matrix spike duplicate analysis (28 percent), and each analysis did yield an anomalously low recovery of aldrin. The results for gamma-BHC and heptachlor did yield high relative percent difference values in the interanalysis comparison. On the RTX-CLPII column, each analysis did yield an anomalously low recovery of aldrin, and the results for heptachlor did yield a high relative percent difference value in the interanalysis comparison. A laboratory control sample was prepared and analyzed in association with the samples. There was an acceptable recovery of each spiked analyte in that analysis, on each of the two columns that were used in performing the analytical work. The analysis of the method blank associated with the analytical work was free of contamination.

With the exception of two of the instrument blank acquisitions, all instrument calibration, calibration check, and performance check criteria, as specified in the SOM01.2 Statement of Work, were met in the execution of the analytical work. A response in the retention time window for endrin ketone was identified in the RTX-CLP column analysis of the instrument blank identified as PIBLKM1. The derived concentration in that acquisition was below the reporting limit. That acquisition occurred after the analysis of sample E2QR1 and prior to the analysis of sample E2QR8. A response in the retention time window for endrin ketone was identified in the RTX-CLPII column analysis of the instrument blank identified as PIBLKO5. The derived concentration in that acquisition was significantly higher than the reporting limit. That acquisition occurred after the analysis of sample E2QS2 and prior to the closing calibration check acquisition for the May 22nd analytical sequence.

Peak height was used for the calibration and quantification in the chlorinated pesticides analysis, and the laboratory used hydrogen as a carrier gas in the performance of the analytical work. The samples were analyzed on an instrument equipped with two chromatographic columns and identified as"0825_1.i" and "0825_2.i" within the laboratory. The instrumentation was manufactured by Hewlett Packard. The following is a table of the chromatographic columns that were used in the performance of the analytical work.

Manufacturer	Restek	Restek
Column Type	RTX-CLP	RTX-CLPII
Length	30m	30m
Inner Dia.	0.32mm	0.32mm
Film Thickness	0.32um	0.25um

As defined by their performance in the MDL study that was completed by the laboratory, specific to the SOM01.2 method of analysis, the performance of the alternate columns was documented as being comparable to those specified in the method. This assessment is based on the ability of the alternate columns to meet the specified technical acceptance criteria.

In performing the analytical work, the laboratory did evaluate the results that were generated from each column in deriving a result for a particular compound, and has reported the lower of the two values. In those instances when the results from each of the two columns differed by

more than 25 percent, the reported value is qualified with a "P" qualifier.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and chromatographic profiles are included in the sample data package. The following explanation codes were used in identifying the reason for the manual quantifications.

M1 = Peak Missed
M2 = Misidentification of Peak
M3 = Poor Automated Baseline

An itemized listing of the manual integrations that were performed immediately follows this narrative discussion, referencing the specific acquisition file names and the compounds for which manual integration was applied.

The following is an example calculation for deriving a result from the GC/ECD quantitation report for a soil sample:

$0.00241194\ ng_{analyte} / 1.0\ uL_{extract} \times (10000\ uL_{extract} / 30.0\ gm_{sample\text{-}wet}) \times (1.0\ ug_{analyte} / 1000\ ng_{analyte}) \times$

$(100\ gm_{sample\text{-}wet} / 100\ gm_{sample\text{-}dry}) \times (1000\ gm_{sample\text{-}dry} / 1.0\ Kg_{sample\text{-}dry}) = 0.80398\ ug_{analyte} / Kg_{sample\text{-}dry}$
(expressed as 0.80 ug/Kg on the Form I Summary)

SOM01.2 (Aroclor PCBs)

The soil samples were extracted using the ultrasonic extraction procedure. The applied clean-ups included the required sulfuric acid clean-up, and included an additional clean-up for the removal of sulfur using activated copper.

The extracts of samples E2QQ1, E2QQ2, E2QR1, E2QR2, E2QR3, E2QR4, E2QR6, E2QR9, E2QS0, and E2QS2 were analyzed at a dilution in order to provide quantification within the range of calibrated instrument response, or, in the case of sample E2QS0, to maintain stability in the instrumental analysis. The dilutions that were made were based on the results of preliminary screening, and ranged from a 5-fold dilution up to a 500-fold dilution in the case of sample E2QS2. The laboratory did attempt an analytical sequence that would have provided a more concentrated analysis of the referenced samples. The calibration check acquisition in the middle of that analytical sequence failed to meet the specified calibration criteria. Documentation for the failed sequence is included in the Sample Preparation section of this submittal. The laboratory identified the issue associated with the failed analytical sequence to the Regional Office through the Sample Management Office, and the Regional Office did direct the laboratory not to pursue a more concentrated analysis of the referenced samples (e-mail resolution dated May 21st).

Each analysis associated with the sample set did meet the technical acceptance criteria specific to surrogate recovery performance. The surrogate controls were effectively diluted out of the analysis of sample E2QS2. That analysis was performed at a 500-fold dilution. Matrix spike and matrix spike duplicate analyses were performed on sample E2QQ1, using Aroclor 1016 and Aroclor 1260 as the spiked components. Those analyses were performed at a 30-fold dilution,

consistent with the analysis of the parent sample. At a 30-fold dilution, the amount spiked in preparing the test volumes was effectively diluted out of the analysis. A laboratory control sample was prepared and analyzed in association with the samples, using Aroclor 1016 and Aroclor 1260 as the spiked components. There was an acceptable recovery of each Aroclor mixture in that analysis, on each of the two columns that were used in performing the analytical work. The analysis of the method blank associated with the analytical work was free of analyte contamination. All instrument calibration and calibration check criteria, as specified in the SOM01.2 Statement of Work, were met in the execution of the analytical work.

Peak height was used for the calibration and quantification in the Aroclor PCB analysis, and the laboratory used hydrogen as a carrier gas in the performance of the analytical work. The samples were analyzed on an instrument equipped with two chromatographic columns and identified as "5253_1.i" and "5253_2.i" within the laboratory. The instrumentation was manufactured by Hewlett Packard. The following is a table of the chromatographic columns that were used in the performance of the analytical work.

Manufacturer	Restek	Restek
Column Type	RTX-5	RTX-35
Length	30m	30m
Inner Dia.	0.25mm	0.25mm
Film Thickness	0.25um	0.25um

As defined by their performance in the MDL study that was completed by the laboratory, specific to the SOM01.2 method of analysis, the performance of the alternate columns was documented as being comparable to those specified in the method. This assessment is based on the ability of the alternate columns to meet the specified technical acceptance criteria.

In performing the analytical work, the laboratory did evaluate the results that were generated from each column in deriving a result for a particular compound, and has reported the lower of the two values. In those instances when the results from each of the two columns differed by more than 25 percent, the reported value is qualified with a "P" qualifier.

Manual integration was employed in deriving certain of the analytical results. The values that have been derived from manual integration are qualified on the quantitation reports, and chromatographic profiles are included in the sample data package. The following explanation codes were used in identifying the reason for the manual quantifications.

M1 = Peak Missed
M2 = Misidentification of Peak
M3 = Poor Automated Baseline

An itemized listing of the manual integrations that were performed immediately follows this narrative discussion, referencing the specific acquisition file names and the compounds for which manual integration was applied.

The following is an example calculation for deriving a result from the GC/ECD quantitation report for a soil sample for one of the responses for a particular Aroclor:

$0.33969753\ ng_{analyte} / 1.0\ uL_{extract} \times (10000\ uL_{extract} / 30.0\ gm_{sample\text{-}wet}) \times (1.0\ ug_{analyte} / 1000\ ng_{analyte}) \times$

$(100\ gm_{sample\text{-}wet} / 100\ gm_{sample\text{-}dry}) \times (1000\ gm_{sample\text{-}dry} / 1.0\ Kg_{sample\text{-}dry}) = 113.23251\ ug_{analyte} / Kg_{sample\text{-}dry}$
(expressed as 110 ug/Kg on the Form X Summary)

I certify that this Sample Data 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 of the data contained in this hardcopy Sample Data Package and in the electronic data deliverable has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

William S. Cicero
Laboratory Director

5/27/09
Date

WCS/kfy
Enclosure

Lavigne, Rayburn

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Friday, May 08, 2009 9:32 AM
To: Chirgwin, Karen; Young, Kirk; Dusablon, Kris; Lavigne, Rayburn
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Multiple | FINAL

Kris,

Summary Start
-Discrepancies with tags, jars, and/or TR/COC-
Issue 1: The TR/COCs list 4 different airbill numbers; however, the samples shipped under one master airbill, 8114 1707 2027, which is only listed on one TR/COC.
Resolution 1: In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the
analysis of the samples.

Issue 2: On the TR/COC, sample E2QQ3 has a sample collection date of 5/6/2009; however, the sample tags attached to the sample jars have a collection date of 5/5/2009.
Resolution 2: In accordance with previous direction from Region 5, the laboratory will note the issue in the SDG Narrative and proceed with the
sample collection date and/or time listed on the sample tag attached to the sample container.

-Missing temperature blank-
Issue 3: The laboratory received one out of the four coolers without a temperature blank. Samples associated with this cooler are: E2QR3, E2QR4, E2QR5, E2QR6 and E2QR7. The laboratory determined the temperature of the cooler to be 5.8°C by using an IR gun.
Resolution 3: In accordance with previous direction from Region 5, the laboratory will note the issue, and the method used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples.
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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From: Dusablon, Kris [mailto:Kris.Dusablon@testamericainc.com]
Sent: Friday, May 08, 2009 9:01 AM
To: Gholam, Sara
Cc: stlv-usepa-clp
Subject: RE: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue TR/COC

05/16/2009

Sara,

Here are copies of the TR/COC and the air bill that was received with the samples. The temperature of each shipment / cooler is recorded at the bottom of the TR/COC. I also included the FedEx tracking information which identifies the three other shipments or coolers that were associated with it the master air bill (number 8114 1707 2027). We did receive all 4 pieces and all the samples listed on the TR/COC, but the issue is that the master air bill number was only identified on one of the TR/COCs while the other TR/COC has some other air bill numbers that were not associated with these samples.

Kris

05/08/2009 05:10 PM

Voice message from Kris Dusablon (STLV) to Sara Gholam (SMO). Per Kris, the laboratory determined the temperature of the cooler to be 5.8°C by using an IR gun.

From: Dusablon, Kris
Sent: Thursday, May 07, 2009 4:38 PM
To: 'Gholam, Sara'
Cc: stlv-usepa-clp
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue TR/COC

Sara,

Some of the air bills numbers listed on the TR/COC, do not match the air bills numbers received. One master air bill number 8114 1707 2027 was used and copied for the entire shipment and that number should have been referenced on the TR/COC.

Only three coolers out of the four coolers were received with temperature blanks. Samples E2QR6, E2QR3, E2QR4, E2QR5, E2QR6 and E2QR7 were in the cooler that did not have a temperature blank inside.

The TR/COC, sample E2QQ3 has a collection date of 05/06/09, but the sample tags have a collection date of 05/05/09. What date should we use?

Thanks,
Kris

KRISTINE DUSABLON
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Dusablon, Kris

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Thursday, May 07, 2009 4:19 PM
To: Dusablon, Kris; stlv-usepa-clp
Cc: mjaworsk@idem.in.gov; Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Insufficient/inappropriate designation of laboratory QC | FINAL

Kris,

Summary Start
Issue: The TR/COC does not indicate a sample for laboratory QC; however per scheduling laboratory QC is required. The laboratory would like to select sample E2QQ1 for QC of SDG E2QQ1.
Resolution: In accordance with previous direction from Region 5, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples. If the laboratory is not sure that the sample they selected is not a PE, blank, or rinsate sample, they will contact SMO and wait for a resolution from the Region.
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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From: Dusablon, Kris [mailto:Kris.Dusablon@testamericainc.com]
Sent: Thursday, May 07, 2009 4:07 PM
To: Gholam, Sara
Cc: stlv-usepa-clp
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory QC

Sara,

The scheduling notification does state that we should have lab QC assigned for this Case, but as you can see from the TR/COC that RJ sent you, a sample was not identified to be used for laboratory QC. We can use sample E2QQ1 for laboratory QC if you would like us to for this Case for SDG E2QQ1?

Kris

5/11/2009

KRISTINE DUSABLON
Project Manager

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From: Lavigne, Rayburn
Sent: Thursday, May 07, 2009 3:29 PM
To: Gholam, Sara; Chirgwin, Karen; Young, Kirk; Dusablon, Kris
Subject: RE: Case 38525 | TRs

Hi Sara,

Kris had to step out of the office for this afternoon. I have attached the TRs for all samples received today for Case 38525 (this is the first samples that we have received for Case 38525).

Thanks,

R.J. LAVIGNE
Project Management Assistant

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-----Original Message-----
From: Gholam, Sara [mailto:sgholam@fedcsc.com]
Sent: Thursday, May 07, 2009 3:11 PM
To: Chirgwin, Karen; Young, Kirk; Dusablon, Kris; Lavigne, Rayburn
Subject: Case 38525 | TRs

Hi Kris,

Could you please email me a PDF copy of all TRs received for Case 38525?

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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Lavigne, Rayburn

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Wednesday, May 13, 2009 2:12 PM
To: Chirgwin, Karen; Young, Kirk; Dusablon, Kris; Lavigne, Rayburn
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems | FINAL

Kirk,

Summary Start
Issue: The extracts of the samples in SDG E2QQ1 were evaluated for dissolved solids prior to the GPC clean-up process. In that evaluation, the laboratory determined that the dissolved solids content of the samples would exceed the capacity of the GPC column, some by as much as a factor of 9. Samples associated with this issue are:

E2QQ1 (and the associated MS/MSD) - 3 times capacity
E2QQ2 - 9 times capacity
E2QR3 - 2 times capacity
E2QR4 - 2 times capacity
E2QR6 - 2 times capacity
E2QR9 - 2 times capacity
E2QS0 - 8 times capacity
E2QS2 - 3 times capacity

Currently each extract is held at a pre-GPC volume of 10.0 milliliters. The laboratory proposes the following course of action in proceeding with the GPC clean-up process:

1. For those samples that exceed GPC capacity by a factor less than 5, a 2.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. The laboratory does not anticipate this will impact the pesticides reporting limits.

2. For those samples that exceed GPC capacity by a factor greater than 5, a 1.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. This will raise the pesticides reporting limits by a factor of 2.

The laboratory's proposed course of action assumes that the final extracts can be reduced to the stated volumes. If the final concentration step is constrained by the constituent concentrations the laboratory will identify the issue at that time.
Resolution: Per Region 5, the laboratory's proposed actions are acceptable.
Summary End

Please let me know if you have any questions.

Thanks

Sara Gholam
Environmental Coordinator - Region 5
CSC

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05/13/2009

use of e-mail for such purpose.

05/13/2009 1:15 PM

Phone conversation between Sara Gholam (SMO) and Warren Layne (Region 5). Per Region 5, the laboratory's proposals are acceptable.

From: Gholam, Sara
Sent: Tuesday, May 12, 2009 2:10 PM
To: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems

Warren,

STLV is reporting the following issue for Case 38525 [XXX]. Please advise if the laboratory's proposals are acceptable.

Issue: The extracts of the samples in SDG E2QQ1 were evaluated for dissolved solids prior to the GPC clean-up process. In that evaluation, the laboratory determined that the dissolved solids content of the samples would exceed the capacity of the GPC column, some by as much as a factor of 9. Samples associated with this issue are:

E2QQ1 (and the associated MS/MSD) - 3 times capacity
E2QQ2 - 9 times capacity
E2QR3 - 2 times capacity
E2QR4 - 2 times capacity
E2QR6 - 2 times capacity
E2QR9 - 2 times capacity
E2QS0 - 8 times capacity
E2QS2 - 3 times capacity

Currently each extract is held at a pre-GPC volume of 10.0 milliliters. The laboratory proposes the following course of action in proceeding with the GPC clean-up process:

3. For those samples that exceed GPC capacity by a factor less than 5, a 2.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. The laboratory does not anticipate this will impact the pesticides reporting limits.

4. For those samples that exceed GPC capacity by a factor greater than 5, a 1.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. This will raise the pesticides reporting limits by a factor of 2.

The laboratory's proposed course of action assumes that the final extracts can be reduced to the stated volumes. If the final concentration step is constrained by the constituent concentrations the laboratory will identify the issue at that time.

Resolution: Per Region 5, the laboratory's proposed actions are acceptable.

Please let me know if you have any questions.

Thanks,
Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151

05/13/2009

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05/12/2009 2:00 PM

Phone conversation between Sara Gholam (SMO) and Mark Jaworski (Region 5). Per Region 5, the laboratory's proposed actions are acceptable.

From: Gholam, Sara
Sent: Tuesday, May 12, 2009 11:50 AM
To: 'mjaworsk@idem.in.gov'
Cc: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems

Mark,

STLV is reporting the following issue for Case 38525. Please advise if the laboratory's proposals are acceptable.

Issue 1: The extracts of the samples in SDG E2QQ1 were evaluated for dissolved solids prior to the GPC clean-up process. In that evaluation, the laboratory determined that the dissolved solids content of the samples would exceed the capacity of the GPC column, some by as much as a factor of 9. Samples associated with this issue are:

E2QQ1 (and the associated MS/MSD) - 3 times capacity
E2QQ2 - 9 times capacity
E2QR3 - 2 times capacity
E2QR4 - 2 times capacity
E2QR6 - 2 times capacity
E2QR9 - 2 times capacity
E2QS0 - 8 times capacity
E2QS2 - 3 times capacity

Currently each extract is held at a pre-GPC volume of 10.0 milliliters. The laboratory proposes the following course of action in proceeding with the GPC clean-up process:

5. For those samples that exceed GPC capacity by a factor less than 5, a 2.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. The laboratory does not anticipate this will impact the pesticides reporting limits.

6. For those samples that exceed GPC capacity by a factor greater than 5, a 1.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. This will raise the pesticides reporting limits by a factor of 2.

The laboratory's proposed course of action assumes that the final extracts can be reduced to the stated volumes. If the final concentration step is constrained by the constituent concentrations the laboratory will identify the issue at that time.

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

05/13/2009

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From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Tuesday, May 12, 2009 9:43 AM
To: Gholam, Sara
Cc: stlv-usepa-clp; Callahan, Christopher
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Pesticides | GPC Issue
Importance: High

Sara,

The extracts of the samples in this sample set were evaluated for dissolved solids prior to the GPC clean-up process. In that evaluation it was determined the dissolved solids content of certain of the samples would exceed the capacity of the GPC column, some by as much as a factor of 9. The samples at issue are as follows:

E2QQ1 (and the associated MS/MSD) - 3 times capacity
E2QQ2 - 9 times capacity
E2QR3 - 2 times capacity
E2QR4 - 2 times capacity
E2QR6 - 2 times capacity
E2QR9 - 2 times capacity
E2QS0 - 8 times capacity
E2QS2 - 3 times capacity

Currently each extract is held at a pre-GPC volume of 10.0 milliliters. The laboratory proposes the following course of action in proceeding with the GPC clean-up process:

7. For those samples that exceed GPC capacity by a factor less than 5, a 2.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. There will be no impact to the pesticides reporting limits.

8. For those samples that exceed GPC capacity by a factor greater than 5, a 1.0 milliliter aliquot of the pre-GPC extract volume will be diluted to 10.0 milliliters and taken through the GPC clean-up. The final extract volume will be brought to 1.0 milliliters for analysis. This will raise the pesticides reporting limits by a factor of 2.

The proposed course of action assumes that the final extracts can be reduced to the stated volumes. If the final concentration step is constrained by the constituent concentrations the laboratory will identify the issue at that time.

Is the proposed course of action acceptable.

Kirk

KIRK YOUNG
Project Technical Director

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05/13/2009

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Lavigne, Rayburn

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Wednesday, May 13, 2009 2:25 PM
To: Chirgwin, Karen; Young, Kirk; Dusablon, Kris; Lavigne, Rayburn
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems | FINAL

Kirk,

Summary Start
Issue: The pre-GPC extract volumes of the samples in SDG E2QQ1 were screened for SVOA analysis. Based on the screen results, the laboratory determined three samples will need to be extracted by the medium level method. Samples associated with this issue are: E2QQ2, E2QS0, and E2QS2.

Based on the current log-in, MS/MSD analyses are assigned to sample E2QQ1, and these will be performed by the low level method.

The laboratory intends to provide for the medium level extraction of samples E2QQ2, E2QS0, and E2QS2, and to assign MS/MSD analyses to sample E2QQ2.

Resolution: Per Region 5, the laboratory's proposed actions are fine. The laboratory shall perform MS/MSD on the low level soil sample E2QQ1, and shall also perform MS/MSD on the medium level soil sample E2QQ2.
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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05/13/2009 1:30 PM

Phone conversation between Sara Gholam (SMO) and Warren Layne (Region 5). Per Region 5, the laboratory's proposals are acceptable.

From: Gholam, Sara
Sent: Wednesday, May 13, 2009 1:00 PM
To: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems

Warren,

STLV is reporting the following issue for Case 38525 [XXX]. Please advise if the sampler provided PROPOSED Resolution is acceptable.

05/13/2009

Issue 1: The pre-GPC extract volumes of the samples in SDG E2QQ1 were screened for SVOA analysis. Based on the screen results, the laboratory determined three samples will need to be extracted by the medium level method. Samples associated with this issue are: E2QQ2, E2QS0, and E2QS2.

Based on the current log-in, MS/MSD analyses are assigned to sample E2QQ1, and these will be performed by the low level method.

The laboratory intends to provide for the medium level extraction of samples E2QQ2, E2QS0, and E2QS2, and to assign MS/MSD analyses to sample E2QQ2.

PROPOSED Resolution 1: Per Region 5, the laboratory's proposed actions are fine. The laboratory shall perform MS/MSD on the low level soil sample E2QQ1, and shall also perform MS/MSD on the medium level soil sample E2QQ2.

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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05/13/2009 1:00 PM

Phone conversation between Sara Gholam (SMO) and Mark Jaworski (Region 5). Per Region 5, the laboratory's proposed actions are fine. The laboratory shall perform MS/MSD on the low level soil sample E2QQ1, and shall also perform MS/MSD on the medium level soil sample E2QQ2.

From: Gholam, Sara
Sent: Wednesday, May 13, 2009 11:26 AM
To: 'mjaworsk@idem.in.gov'
Cc: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems
Importance: High

Mark,

STLV is reporting the following issue for Case 38525. Please advise if the laboratory's proposed actions regarding MS/MSD designation are acceptable.

Issue 1: The pre-GPC extract volumes of the samples in SDG E2QQ1 were screened for SVOA analysis. Based on the screen results, the laboratory determined three samples will need to be extracted by the medium level method. Samples associated with this issue are: E2QQ2, E2QS0, and E2QS2.

Based on the current log-in, MS/MSD analyses are assigned to sample E2QQ1, and these will be performed by the low level method.

05/13/2009

The laboratory intends to provide for the medium level extraction of samples E2QQ2, E2QS0, and E2QS2, and to assign MS/MSD analyses to sample E2QQ2.

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

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From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Wednesday, May 13, 2009 10:30 AM
To: Gholam, Sara
Cc: stlv-usepa-clp
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Semivolatile Organics | Medium Level
Importance: High

Sara,

The pre-GPC extract volumes of the samples in this sample set were screened for the semivolatile organics analysis. Based on the screen results, three samples will need to be extracted by the medium level method. The samples at issue are as follows:

E2QQ2
E2QS0
E2QS2

Based on the current log-in, matrix spike and matrix spike duplicate analyses are assigned to sample E2QQ1, and these will be performed by the low level method.

The laboratory intends to provide for the medium level extraction of samples E2QQ2, E2QS0, and E2QS2, and to assign matrix spike and matrix spike duplicate analyses to sample E2QQ2.

Is the proposed course of action, with the assignment of matrix spike and matrix spike duplicate analyses, acceptable.

Kirk

KIRK YOUNG
Project Technical Director

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Lavigne, Rayburn

From: Gholam, Sara [sgholam@fedcsc.com]
Sent: Thursday, May 21, 2009 10:39 AM
To: Chirgwin, Karen; Young, Kirk; Dusablon, Kris; Lavigne, Rayburn
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems | FINAL

Kirk,

Summary Start
Issue: The extracts of the samples in this SDG have been analyzed for Aroclor PCBs. Several of the extracts were analyzed at a dilution based on the results of preliminary screening. The following is a summary of the samples, the dilution, and the characterization of the Aroclor PCBs identified in the dilution analysis:

E2QQ1 (and the associated MS/MSD) - 30-fold - Aroclors 1248, 1254, 1260
E2QQ2 - 30-fold - Aroclors 1248, 1254, 1260
E2QR1 - 5-fold - Aroclors 1248, 1254, 1260
E2QR2 - 5-fold - Aroclors 1248, 1254, 1260
E2QR3 - 50-fold - Aroclors 1248, 1254
E2QR4 - 50-fold - Aroclors 1248, 1254
E2QR6 - 50-fold - Aroclors 1248, 1254
E2QR9 - 30-fold - Aroclors 1248, 1254, 1260
E2QS0 - 10-fold - None Identified
E2QS2 - 500-fold - Aroclors 1248, 1254

Samples E2QQ2 and E2QS0 did contain high constituent concentrations of petroleum hydrocarbons. Additionally, the more problematic extracts were analyzed at a dilution in a separate analytical sequence with instrument blanks between acquisitions. While the closing standards in that analytical sequence did meet the 50 percent difference criterion, those acquisitions did not provide for continuance of the sequence.

With the exception of sample E2QS0, the characterization of Aroclor PCBs in each of the referenced samples appears to be well established.

Should the laboratory pursue a more concentrated analysis on any one of the samples?

Resolution: Per Region 5, the laboratory should not pursue a more concentrated analysis on any one of the samples.
Summary End

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

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05/21/2009

-----Original Message-----
From: Pham.Howard@epamail.epa.gov [mailto:Pham.Howard@epamail.epa.gov]
Sent: Thursday, May 21, 2009 10:25 AM
To: Gholam, Sara
Subject: Re: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems

Hi Sara,

It is OK. Thanks,

Howard Pham, Chemist/Contract Laboratory Program Project Officer
U.S. EPA, Region 5 (SM-5J)
77 West Jackson Blvd.
Chicago, IL. 60604
(312) 353-2310
(312) 385-5407 (fax)
pham.howard@epa.gov

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From: Gholam, Sara
Sent: Thursday, May 21, 2009 10:03 AM
To: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems

Warren/Howard,

STLV is reporting the following issue for Case 38525 [XXX]. Please advise if the sampler provided PROPOSED Resolution is acceptable.

Issue: The extracts of the samples in this SDG have been analyzed for Aroclor PCBs. Several of the extracts were analyzed at a dilution based on the results of preliminary screening. The following is a summary of the samples, the dilution, and the characterization of the Aroclor PCBs identified in the dilution analysis:

E2QQ1 (and the associated MS/MSD) - 30-fold - Aroclors 1248, 1254, 1260
E2QQ2 - 30-fold - Aroclors 1248, 1254, 1260
E2QR1 - 5-fold - Aroclors 1248, 1254, 1260
E2QR2 - 5-fold - Aroclors 1248, 1254, 1260
E2QR3 - 50-fold - Aroclors 1248, 1254

05/21/2009

E2QR4 - 50-fold - Aroclors 1248, 1254
E2QR6 - 50-fold - Aroclors 1248, 1254
E2QR9 - 30-fold - Aroclors 1248, 1254, 1260
E2QS0 - 10-fold - None Identified
E2QS2 - 500-fold - Aroclors 1248, 1254

Samples E2QQ2 and E2QS0 did contain high constituent concentrations of petroleum hydrocarbons (refer to the ROC referencing the issues with the GPC clean-up of the pesticides extracts). Additionally, the more problematic extracts were analyzed at a dilution in a separate analytical sequence with instrument blanks between acquisitions. While the closing standards in that analytical sequence did meet the 50 percent difference criterion, those acquisitions did not provide for continuance of the sequence.

With the exception of sample E2QS0, the characterization of Aroclor PCBs in each of the referenced samples appears to be well established.

Should the laboratory pursue a more concentrated analysis on any one of the samples?

PROPOSED Resolution: Per Region 5, the laboratory should not pursue a more concentrated analysis on any one of the samples.

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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05/21/2009 9:55 AM

Phone conversation between Sara Gholam (SMO) and Fran Metcalfe (Region 5). Per Region 5, the laboratory should not pursue a more concentrated analysis on any one of the samples.

From: Gholam, Sara
Sent: Wednesday, May 20, 2009 4:16 PM
To: 'mjaworsk@idem.in.gov'
Cc: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems

Mark/Fran,

Please see STLV's email below regarding the issue with Case 38525, and please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5

05/21/2009

CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Wednesday, May 20, 2009 4:12 PM
To: Gholam, Sara
Cc: stlv-usepa-clp
Subject: RE: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Aroclor PCBs | Dilution Issue
Importance: High

Sara,

Yes, the reference should be to E2QS0.

Kirk

KIRK YOUNG
Project Technical Director

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

30 Community Drive, Suite 11
South Burlington, VT 05403
Tel 802.660.1990 Direct 802.923.1017
www.testamericainc.com

From: Gholam, Sara [mailto:sgholam@fedcsc.com]
Sent: Wednesday, May 20, 2009 3:51 PM
To: Young, Kirk
Subject: RE: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Aroclor PCBs | Dilution Issue

Hi Kirk,

Could you please confirm that the sample ID you are referring to in the final sentence that reads "The chromatogram from the analysis of sample E2QS at a 10-fold dilution did reflect high interference" should be "E2QS0"?

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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05/21/2009

From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Wednesday, May 20, 2009 3:25 PM
To: Gholam, Sara
Cc: stlv-usepa-clp; Zygmuntowicz, Jon; Downing, David
Subject: RE: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Aroclor PCBs | Dilution Issue
Importance: High

Sara,

As a follow-up to our telephone conversation, the laboratory did critically evaluate the acquired data for samples E2QR3, E2QR4, E2QR6, and E2QS2. The presence of Aroclor 1260 is identifiable in each sample, at a concentration of approximately one-fourth to one-half the adjusted reporting limit. The quantification across the five peaks in each of the analyses is reasonably uniform, and indicative of a good pattern identification.

The chromatogram from the analysis of sample E2QS at a 10-fold dilution did reflect high interference.

Kirk

KIRK YOUNG
Project Technical Director

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THE LEADER IN ENVIRONMENTAL TESTING

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South Burlington, VT 05403
Tel 802.660.1990 Direct 802.923.1017
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05/20/2009 2:45 PM
Phone conversation between Sara Gholam (SMO) and Kirk Young (STLV). Kirk informed Sara that he would confirm in an email whether Aroclors were present in samples E2QR3, E2QR4, E2QR6, and E2QS2. Kirk also informed Sara that the 10 fold dilution for sample E2QS0 was the lowest dilution level the laboratory could perform, and that the laboratory did not detect the presence of any Aroclors in sample E2QS0.

05/20/2009 ~2:15 PM
Phone conversation between Sara Gholam (SMO), Jim Riche (Region 5), and Fran Metcalfe (Region 5). Fran informed Sara that Mark Jaworski had forwarded the ROC to herself and Jim Riche. The Region asked for clarification regarding the laboratory's issue, and asked for confirmation that laboratory did not detect the presence of Aroclors for sample E2QS0. The Region also asked whether the laboratory ran smaller dilutions, other than those listed in the laboratory's email, for any of the samples.

From: Gholam, Sara
Sent: Wednesday, May 20, 2009 9:44 AM
To: 'mjaworsk@idem.in.gov'
Cc: Carlene Thomas; Howard Pham; Warren Layne
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Issue Laboratory problems
Importance: High

Mark,

STLV is reporting the following issue for Case 38525. Please advise how the laboratory should proceed.

Issue: The extracts of the samples in this SDG have been analyzed for Aroclor PCBs. Several of the extracts were analyzed at a dilution based on the results of preliminary screening. The following is a summary of the samples, the dilution, and the characterization of the Aroclor PCBs identified in the dilution analysis:

05/21/2009

E2QQ1 (and the associated MS/MSD) - 30-fold - Aroclors 1248, 1254, 1260
E2QQ2 - 30-fold - Aroclors 1248, 1254, 1260
E2QR1 - 5-fold - Aroclors 1248, 1254, 1260
E2QR2 - 5-fold - Aroclors 1248, 1254, 1260
E2QR3 - 50-fold - Aroclors 1248, 1254
E2QR4 - 50-fold - Aroclors 1248, 1254
E2QR6 - 50-fold - Aroclors 1248, 1254
E2QR9 - 30-fold - Aroclors 1248, 1254, 1260
E2QS0 - 10-fold - None Identified
E2QS2 - 500-fold - Aroclors 1248, 1254

Samples E2QQ2 and E2QS0 did contain high constituent concentrations of petroleum hydrocarbons (refer to the ROC referencing the issues with the GPC clean-up of the pesticides extracts). Additionally, the more problematic extracts were analyzed at a dilution in a separate analytical sequence with instrument blanks between acquisitions. While the closing standards in that analytical sequence did meet the 50 percent difference criterion, those acquisitions did not provide for continuance of the sequence.

With the exception of sample E2QS0, the characterization of Aroclor PCBs in each of the referenced samples appears to be well established.

Should the laboratory pursue a more concentrated analysis on any one of the sample?

Please let me know if you have any questions.

Thank you,

Sara Gholam
Environmental Coordinator - Region 5
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | w: 703.818.4184 | f: 703.818.4602 | sgholam@fedcsc.com | www.csc.com

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From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Tuesday, May 19, 2009 4:56 PM
To: Gholam, Sara
Cc: stlv-usepa-clp; Zygmuntowicz, Jon; Downing, David
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Aroclor PCBs | Dilution Issue
Importance: High

Sara,

The extracts of the samples in this sample set have been analyzed for Aroclor PCBs. Several of the extracts were analyzed at a dilution based on the results of preliminary screening. The following is a summary of the samples, the dilution, and the characterization of the Aroclor PCBs identified in the dilution analysis:

E2QQ1 (and the associated MS/MSD) - 30-fold - Aroclors 1248, 1254, 1260
E2QQ2 - 30-fold - Aroclors 1248, 1254, 1260
E2QR1 - 5-fold - Aroclors 1248, 1254, 1260
E2QR2 - 5-fold - Aroclors 1248, 1254, 1260
E2QR3 - 50-fold - Aroclors 1248, 1254

E2QR4 - 50-fold - Aroclors 1248, 1254
E2QR6 - 50-fold - Aroclors 1248, 1254
E2QR9 - 30-fold - Aroclors 1248, 1254, 1260
E2QS0 - 10-fold - None Identified
E2QS2 - 500-fold - Aroclors 1248, 1254

It should be noted that samples E2QQ2 and E2QS0 did contain high constituent concentrations of petroleum hydrocarbons (refer the e-mail referencing the issues with the GPC clean-up of the pesticides extracts). Additionally, the more problematic extracts were analyzed at a dilution in a separate analytical sequence with instrument blanks between acquisitions. While the closing standards in that analytical sequence did meet the 50 percent difference criterion, those acquisitions did not provide for continuance of the sequence.

With the exception of sample E2QS0, the characterization of Aroclor PCBs in each of the referenced samples appears to be well established. Is the laboratory to pursue a more concentrated analysis on any one of the sample?

Kirk

KIRK YOUNG
Project Technical Director

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Please consider the environment before printing this e-mail.

05/21/2009

Young, Kirk

From: Read, Ransom [rread@fedcsc.com]
Sent: Friday, May 22, 2009 5:26 PM
To: Young, Kirk
Cc: Rudolph, Elizabeth; pham.howard@epa.gov; layne.warren@epa.gov; ROCv2.0TEST-DASS@fedcsc.com
Subject: REGION 5 | CASE 38525 | LAB STLV | SDG E2QQ1 | ISSUE CCSHELPDESK | FINAL

Hello Kirk,

I am writing as a follow up to our phone conversation regarding the issues presented concerning the SVOA analyses of samples under Case 38525. Please refer to your originial email below for DASS's response.

Feel free to contact me if you have additional questions.

Thanks,
Ransom Read
CSC
(703) 818-4301
rread@fedcsc.com

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From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Friday, May 22, 2009 1:04 PM
To: Gholam, Sara
Cc: stlv-usepa-clp; Bissonette, Don; Edwin, Joe; Zygmuntowicz, Jon
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Semivolatile Organics | Low Level
Importance: High

Sara,

The laboratory has analyzed the first set of samples for semivolatile organics. While there was good performance in the opening calibration check acquisition, the closing calibration check acquisition failed the technical acceptance criteria. The laboratory acquired a second closing calibration check immediately after the first, and there was a similar performance issue in that acquisition. For your reference, I have included a copy of the instrument run-log for the analytical in the attached "pdf" file.

In the analytical sequence there were certain samples that were related to this sample delivery group that may likely have affected the overall performance of the instrumentation. These include samples E2QR3, E2QR4, E2QR6, and E2QR8, for which I have provided chromatograms and summary information in the attached "pdf" file.

The laboratory is proceeding with a reanalysis of the more "less problematic" samples from the initial analytical sequence, in an attempt to provide for a compliant analysis of those samples. For the remainder of the samples, those will be reanalyzed in a separate sequence, however, that sequence will likely have performance issues with the closing calibration check.

5/27/2009

We will need specific guidance relative to those analyses that were (and are to be) performed on samples E2QR3, E2QR4, E2QR6, and E2QR8. As you will see, with the exception of sample E2QR8, the analysis of each of the referenced samples was performed at a dilution. In each of the analyses there was a low internal standard response. With the exception of sample E2QR3, there is a need to provide for an analysis at a further dilution in order to provide for quantification within the range of calibrated instrument response. The additional dilution may provide internal standard stability, although this is uncertain.

The issues at hand are as follows:

1. Is the laboratory to analyze sample E2QR3 at a dilution in an attempt to provide internal standard stability?

Per the SOW, corrective action for a failing CCV requires that the affected samples be re-analyzed at the same dilution factor associated to the samples when the initial closing CCV failed. Both analyses are to be reported, one of which should be identified with the -RE suffix.

2. If in analyzing the more "problematic" samples a second time at the appropriate dilution the analytical sequence meets the closing calibration criteria, is the laboratory to formally report the more concentrated analyses from the failed analytical sequence?

Both analytical sequences, the initial failed analytical sequence and the subsequent analytical sequence required for the intial ccv failure are to be reported.

3. If in analyzing the more "problematic" samples a second time at the appropriate dilution there are internal standard issues, is the laboratory to re-analyze the samples at that dilution to prove-out the internal standard issue;

Yes.

or is the laboratory to formally report the more concentrated analyses from the failed analytical sequence for that purpose, recognizing that those analyses would not have been performed at the same concentration level? In the latter context should the sample reference be XXXXXRE or XXXXXDL?

A required dilution of a sample is considered as a re-analysis in this case and further reanalysis is not required due to matrix issues. The sample should be named using the -'DL' suffix.) The results of both the initial and re-analyzed sequences should be reported.

Please advise. As you can see, I am trying to cover a number of eventualities in advance of the Memorial Day weekend in order to give direction to laboratory operations in anticipation of a number of possible scenarios.

Kirk

KIRK YOUNG
Project Technical Director

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Young, Kirk

From: Read, Ransom [rread@fedcsc.com]
Sent: Wednesday, May 27, 2009 2:29 PM
To: Young, Kirk
Cc: ROCv2.0TEST-DASS@fedcsc.com; layne.warren@epa.gov; pham.howard@epa.gov
Subject: REGION 5 | CASE 38525 | LAB STLV | SDG E2QQ1 | ISSUE CCS HELPDESK | FINAL

Hello Kirk,

I am writing as a follow up to our phone conversation concerning your email below.

Please note, provided that the dilutions do not cause target analytes to be diluted out of the sample, it is acceptable to report the results from the diluted analyses with the compliant closing CCV. Should the dilution of the sample result in "U" flags for the target analytes, the more concentrated analyses with the non-compliant closing CCV should be reported. For further guidance with regards to sample dilutions, please refer to SOW SOM01.2, Exhibit D, Sections 10.4.3 and 10.4.3.5.

Defects may be assessed for the failing closing CCV, however the lab may petition USEPA for a waiver for these defects.

With regards to the analysis of the MS/MSD samples at a 5X dilution in comparison to the analysis of the parent sample at a 2X dilution, you had indicated that this was due to the differing amounts of constituent hydrocarbons present in the extracts as evidenced in the chromotagrams from the screening process.

According to the SOW, PEST Exhibit D Section 12.3.3.3 – the MS/MSD must be analyzed and reported at the same concentration as the most concentrated analyses of the parent sample, therefore a defect will be generated for this issue based on the SOW requirements. SMO is unable to remove valid defects that are assessed based on SOW requirements without approval from USEPA. The lab may petition USEPA for a waiver for these defects. Once USEPA approves a waiver request SMO will be able to remove the associated defects.

Feel free to contact me if you have any questions or need more information.

Thanks,
Ransom Read
CSC
(703) 818-4301
rread@fedcsc.com

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From: Young, Kirk [mailto:Kirk.Young@testamericainc.com]
Sent: Tuesday, May 26, 2009 9:35 AM
To: Gholam, Sara
Cc: stlv-usepa-clp; Zygmuntowicz, Jon
Subject: Region 05 | Case 38525 | Lab STLV | SDG E2QQ1 | Chlorinated Pesticides | Dilution Issue
Importance: High

5/27/2009

2J - FORM II SV-3
SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (PHL) #	SDMC2 (BCE) #	SDMC3 (2CP) #	SDMC4 (4MP) #	SDMC5 (NBZ) #	SDMC6 (2NP) #	SDMC7 (DCP) #	SDMC8 (4CA) #
01	E2QQ3	20	16	20	20	17	18	18*	4
02	E2QQ6	62	47	59	61	54	55	58	9
03	E2QR1	80	64	79	78	74	75	72	6
04	E2QR3	79	62	76	75	72	73	67	9
05	E2QR4	81	66	79	78	75	75	71	12
06	E2QR6	71	54	64	64	66	63	61	8
07	E2QR8	95	75	91	93	85	87	82	17
08	E2QS1	86	67	85	88	83	86	82	16
09	E2QQ1	69	58	67	65	68	61	63	6
10	SBLKL8	72	62	74	73	76	77	69	34
11	E2QQ4	80	69	81	80	86	87	77	2
12	E2QQ5	78	65	79	80	80	82	77	8
13	E2QQ7	74	63	73	71	76	76	69	7
14	E2QQ8	78	68	79	77	80	80	75	6
15	E2QR2	38	33	38	37	41	40	39	7
16	E2QR5	67	58	70	66	69	68	64	22
17	E2QR7	81	72	81	78	84	84	77	24
18	SBLKO1	77	68	78	78	83	83	74	35
19	E2QQ3RX	75	63	72	72	80	80	74	10
20	E2QQ1RE	72	58	68	69	67	63	66	5
21	E2QQ1MS	31	31	29	27	35	31	29	3
22	E2QQ1MSD	51	38	44	42	45	36	42	4
23	E2QR9	69	59	70	68	71	66	68	7
24	E2QQ2RE	76	65	76	76	79	75	76	55
25	E2QQ6RE	62	48	58	60	56	50	62	11
26	E2QR1RE	73	65	74	71	80	76	73	6
27	E2QR3RE	73	63	76	76	74	68	72	11
28	E2QR4DL	73	63	72	72	74	64	73	11
29	E2QR6DL	65	51	61	62	63	58	63	7
30	E2QR8DL	77	67	77	76	78	73	73	18

		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(17-103)
SDMC2	(BCE) = Bis(2-chloroethyl)ether-d8	(12- 98)
SDMC3	(2CP) = 2-Chlorophenol-d4	(13-101)
SDMC4	(4MP) = 4-Methylphenol-d8	(8-100)
SDMC5	(NBZ) = Nitrobenzene-d5	(16-103)
SDMC6	(2NP) = 2-Nitrophenol-d4	(16-104)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(23-104)
SDMC8	(4CA) = 4-Chloroaniline-d4	(1-145)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

Page 1 of 4 SOM01.2

2K - FORM II SV-4
SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
01	E2QQ3	19*	19*	15*	20*	11	19*	21*	19*	8
02	E2QQ6	62	63	49	61	33	65	51	68	0
03	E2QR1	77	74	68	71	52	71	57	80	0
04	E2QR3	77	75	62	73	31	77	70	88	0
05	E2QR4	78	75	72	75	28	77	76	85	0
06	E2QR6	62	62	55	64	21	61	* 121D	64	0
07	E2QR8	88	86	75	82	21	83	66	98	0
08	E2QS1	88	87	85	87	14	88	73	94	0
09	E2QQ1	73	69	66	70	* 0D	79	64	82	0
10	SBLKL8	73	77	57	72	54	75	85	80	0
11	E2QQ4	90	87	70	80	101	81	65	87	0
12	E2QQ5	80	80	85	79	67	76	63	85	0
13	E2QQ7	76	75	77	76	64	72	63	78	0
14	E2QQ8	79	77	81	77	65	74	66	80	0
15	E2QR2	40*	40	42	40	19	40	30*	44	2
16	E2QR5	69	69	58	65	34	66	57	70	0
17	E2QR7	83	83	85	81	55	80	63	88	0
18	SBLK01	76	81	65	76	54	79	84	83	0
19	E2QQ3RX	78	77	73	73	64	75	60	77	0
20	E2QQ1RE	73	69	60	70	23	76	66	85	0
21	E2QQ1MS	* 30D	44	27	48	17	53	* 43D	62	0
22	E2QQ1MSD	46	43	50	45	14	50	* 39D	49	0
23	E2QR9	68	68	65	69	14	69	78	80	0
24	E2QQ2RE	81	80	78	80	15	79	67	87	0
25	E2QQ6RE	66	66	56	64	10	67	54	70	0
26	E2QR1RE	77	76	74	77	19	74	66	85	0
27	E2QR3RE	74	73	72	75	9	76	82	84	0
28	E2QR4DL	75	74	71	76	5	75	74	90	0
29	E2QR6DL	63	61	60	64	10	64	91	70	0
30	E2QR8DL	80	80	81	78	3	78	64	85	0

	QC LIMITS
SDMC9 (DMP) = Dimethylphthalate-d6	(43-111)
SDMC10 (ACY) = Acenaphthylene-d8	(20- 97)
SDMC11 (4NP) = 4-Nitrophenol-d4	(16-166)
SDMC12 (FLR) = Fluorene-d10	(40-108)
SDMC13 (NMP) = 4,6-Dinitro-2-methylphenol-d2	(1-121)
SDMC14 (ANC) = Anthracene-d10	(22- 98)
SDMC15 (PYR) = Pyrene-d10	(51-120)
SDMC16 (BAP) = Benzo(a)pyrene-d12	(43-111)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

2J - FORM II SV-3
SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC1 (PHL)#	SDMC2 (BCE)#	SDMC3 (2CP)#	SDMC4 (4MP)#	SDMC5 (NBZ)#	SDMC6 (2NP)#	SDMC7 (DCP)#	SDMC8 (4CA)#
31	E2QR9RE	80	66	77	78	81	75	78	10
32									
33									
34									
35									
36									
37									
38									
39									
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		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(17-103)
SDMC2	(BCE) = Bis(2-chloroethyl)ether-d8	(12- 98)
SDMC3	(2CP) = 2-Chlorophenol-d4	(13-101)
SDMC4	(4MP) = 4-Methylphenol-d8	(8-100)
SDMC5	(NBZ) = Nitrobenzene-d5	(16-103)
SDMC6	(2NP) = 2-Nitrophenol-d4	(16-104)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(23-104)
SDMC8	(4CA) = 4-Chloroaniline-d4	(1-145)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

Page 2 of 4 SOM01.2

2K - FORM II SV-4
SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Level: (LOW/MED) LOW

	EPA SAMPLE NO.	SDMC9 (DMP) #	SDMC10 (ACY) #	SDMC11 (4NP) #	SDMC12 (FLR) #	SDMC13 (NMP) #	SDMC14 (ANC) #	SDMC15 (PYR) #	SDMC16 (BAP) #	TOT OUT
31	E2QR9RE	75	74	79	77	6	77	105	90	0
32										
33										
34										
35										
36										
37										
38										
39										
40										
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51										
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56										
57										
58										
59										
60										

	QC LIMITS
SDMC9 (DMP) = Dimethylphthalate-d6	(43-111)
SDMC10 (ACY) = Acenaphthylene-d8	(20- 97)
SDMC11 (4NP) = 4-Nitrophenol-d4	(16-166)
SDMC12 (FLR) = Fluorene-d10	(40-108)
SDMC13 (NMP) = 4,6-Dinitro-2-methylphenol-d2	(1-121)
SDMC14 (ANC) = Anthracene-d10	(22- 98)
SDMC15 (PYR) = Pyrene-d10	(51-120)
SDMC16 (BAP) = Benzo(a)pyrene-d12	(43-111)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

Page 4 of 4 SOM01.2

2J - FORM II SV-3
SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Level: (LOW/MED) MED

	EPA SAMPLE NO.	SDMC1 (PHL)#	SDMC2 (BCE)#	SDMC3 (2CP)#	SDMC4 (4MP)#	SDMC5 (NBZ)#	SDMC6 (2NP)#	SDMC7 (DCP)#	SDMC8 (4CA)#
01	SBLKM4	85	72	84	84	82	84	77	71
02	E2QQ2	77	66	76	76	75	69	71	53
03	E2QQ2MS	69	60	71	69	70	64	65	49
04	E2QQ2MSD	72	63	74	70	74	69	67	54
05	E2QS0	73	63	72	71	75	70	70	52
06	E2QS2	84	57	66	62	70	50	65	31
07									
08									
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		QC LIMITS
SDMC1	(PHL) = Phenol-d5	(17-103)
SDMC2	(BCE) = Bis(2-chloroethyl)ether-d8	(12- 98)
SDMC3	(2CP) = 2-Chlorophenol-d4	(13-101)
SDMC4	(4MP) = 4-Methylphenol-d8	(8-100)
SDMC5	(NBZ) = Nitrobenzene-d5	(16-103)
SDMC6	(2NP) = 2-Nitrophenol-d4	(16-104)
SDMC7	(DCP) = 2,4-Dichlorophenol-d3	(23-104)
SDMC8	(4CA) = 4-Chloroaniline-d4	(1-145)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

2K - FORM II SV-4
SOIL SEMIVOLATILE DEUTERATED MONITORING COMPOUND RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Level: (LOW/MED) MED

	EPA SAMPLE NO.	SDMC9 (DMP)#	SDMC10 (ACY)#	SDMC11 (4NP)#	SDMC12 (FLR)#	SDMC13 (NMP)#	SDMC14 (ANC)#	SDMC15 (PYR)#	SDMC16 (BAP)#	TOT OUT
01	SBLKM4	80	81	72	78	47	79	78	82	0
02	E2QQ2	73	70	68	68	0*	65	50*	74	2
03	E2QQ2MS	69	65	66	62	2	62	48*	65	1
04	E2QQ2MSD	71	68	66	64	4	62	49*	67	1
05	E2QS0	74	72	68	71	5	72	55	80	0
06	E2QS2	71	69	48	66	0D	84	56	71	0
07										
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	QC LIMITS
SDMC9 (DMP) = Dimethylphthalate-d6	(43-111)
SDMC10 (ACY) = Acenaphthylene-d8	(20- 97)
SDMC11 (4NP) = 4-Nitrophenol-d4	(16-166)
SDMC12 (FLR) = Fluorene-d10	(40-108)
SDMC13 (NMP) = 4,6-Dinitro-2-methylphenol-d2	(1-121)
SDMC14 (ANC) = Anthracene-d10	(22- 98)
SDMC15 (PYR) = Pyrene-d10	(51-120)
SDMC16 (BAP) = Benzo(a)pyrene-d12	(43-111)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D DMC diluted out

Page 2 of 2 SOM01.2

3D - FORM III SV-2
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1 Level: (LOW/MED) LOW

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Phenol	4200	0	990	24*	26- 90
2-Chlorophenol	4200	0	1200	29	25-102
N-Nitroso-di-n-propylamine	4200	0	1400	33*	41-126
4-Chloro-3-methylphenol	4200	0	1400	33	26-103
Acenaphthene	4200	580	2700	50	31-137
4-Nitrophenol	4200	0	1600	38	11-114
2,4-Dinitrotoluene	4200	0	900	21*	28- 89
Pentachlorophenol	4200	0	1200	29	17-109
Pyrene	4200	3200	4100	21*	35-142

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	4200	1700	40	50*	0-35	26- 90
2-Chlorophenol	4200	1900	45	43	0-50	25-102
N-Nitroso-di-n-propylamine	4200	1700	40*	19	0-38	41-126
4-Chloro-3-methylphenol	4200	1800	43	26	0-33	26-103
Acenaphthene	4200	2300	41	20*	0-19	31-137
4-Nitrophenol	4200	2700	64	51*	0-50	11-114
2,4-Dinitrotoluene	4200	1300	31	38	0-47	28- 89
Pentachlorophenol	4200	1500	36	22	0-47	17-109
Pyrene	4200	3700	12*	55*	0-36	35-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 4 out of 9 outside limits
Spike Recovery: 6 out of 18 outside limits

COMMENTS: _____

SOM01.2

3D - FORM III SV-2
SOIL SEMIVOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ2 Level: (LOW/MED) MED

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Phenol	140000	0	87000	62	26- 90
2-Chlorophenol	140000	0	96000	69	25-102
N-Nitroso-di-n-propylamine	140000	0	95000	68	41-126
4-Chloro-3-methylphenol	140000	0	94000	67	26-103
Acenaphthene	140000	12000	100000	63	31-137
4-Nitrophenol	140000	0	98000	70	11-114
2,4-Dinitrotoluene	140000	0	84000	60	28- 89
Pentachlorophenol	140000	0	73000	52	17-109
Pyrene	140000	7900	77000	49	35-142

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Phenol	140000	90000	64	3	0-35	26- 90
2-Chlorophenol	140000	100000	71	3	0-50	25-102
N-Nitroso-di-n-propylamine	140000	98000	70	3	0-38	41-126
4-Chloro-3-methylphenol	140000	98000	70	4	0-33	26-103
Acenaphthene	140000	100000	63	0	0-19	31-137
4-Nitrophenol	140000	100000	71	1	0-50	11-114
2,4-Dinitrotoluene	140000	88000	63	5	0-47	28- 89
Pentachlorophenol	140000	74000	53	2	0-47	17-109
Pyrene	140000	81000	52	6	0-36	35-142

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 9 outside limits
Spike Recovery: 0 out of 18 outside limits

COMMENTS: _____

SOM01.2

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab File ID: B0509L8 Lab Sample ID: SBLKL8

Instrument ID: R.i Date Extracted: 05/09/2009

Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 05/24/2009

Level: (LOW/MED) LOW Time Analyzed: 1842

Extraction: (Type) SONC GPC Cleanup: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2QQ3	794703	794703	05/21/2009
02	E2QQ6	794706	794706D	05/21/2009
03	E2QR1	794709	794709	05/21/2009
04	E2QR3	794711	794711D	05/21/2009
05	E2QR4	794712	794712D	05/21/2009
06	E2QR6	794714	794714D	05/21/2009
07	E2QR8	794716	794716	05/21/2009
08	E2QS1	794719	794719P	05/22/2009
09	E2QQ1	794701	794701D	05/22/2009
10	E2QQ4	794704	794704	05/24/2009
11	E2QQ5	794705	794705	05/24/2009
12	E2QQ7	794707	794707	05/24/2009
13	E2QQ8	794708	794708	05/24/2009
14	E2QR2	794710	794710	05/24/2009
15	E2QR5	794713	794713	05/24/2009
16	E2QR7	794715	794715	05/24/2009
17	E2QQ1RE	794701R1	794701D2	05/26/2009
18	E2QQ1MS	794701MS	794701M	05/26/2009
19	E2QQ1MSD	794701MD	794701S	05/26/2009
20	E2QR9	794717	794717D	05/26/2009
21	E2QQ6RE	794706R1	794706D2	05/26/2009
22	E2QR1RE	794709R1	794709I2	05/26/2009
23	E2QR3RE	794711R1	794711D2	05/26/2009
24	E2QR4DL	794712D1	794712D2	05/26/2009
25	E2QR6DL	794714D1	794714D2	05/26/2009
26	E2QR8DL	794716D1	794716D2	05/26/2009
27	E2QR9RE	794717R1	794717D2	05/26/2009
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COMMENTS: _____

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4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab File ID: B0514M4 Lab Sample ID: SBLKM4

Instrument ID: R.i Date Extracted: 05/14/2009

Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 05/22/2009

Level: (LOW/MED) MED Time Analyzed: 1037

Extraction: (Type) SONC GPC Cleanup: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2QQ2	794702	794702	05/22/2009
02	E2QQ2MS	794702MS	794702M	05/22/2009
03	E2QQ2MSD	794702MD	794702S	05/22/2009
04	E2QS0	794718	794718	05/22/2009
05	E2QS2	794720	794720D	05/22/2009
06	E2QQ2RE	794702R1	794702I2	05/26/2009
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COMMENTS:

Page 1 of 1 SOM01.2

4C - FORM IV SV
SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab File ID: B052201 Lab Sample ID: SBLK01

Instrument ID: R.i Date Extracted: 05/22/2009

Matrix: (SOIL/SED/WATER) Soil Date Analyzed: 05/26/2009

Level: (LOW/MED) LOW Time Analyzed: 0757

Extraction: (Type) SONC GPC Cleanup: (Y/N) Y

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
01	E2QQ3RX	794703R1	794703R1	05/26/2009
02				
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COMMENTS:

Page 1 of 1 SOM01.2

8C - FORM VIII SV-1
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: Rxi-5ms ID: 0.25 (mm) Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MM Date Analyzed: 05/21/2009

Lab File ID (Standard): RFW040MM Time Analyzed: 1017

Instrument ID: R.i

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	221794	6.53	811775	8.37	433803	10.83
	UPPER LIMIT	443588	7.03	1623550	8.87	867606	11.33
	LOWER LIMIT	110897	6.03	405888	7.87	216902	10.33
	EPA SAMPLE NO.						
01	E2QQ3	241267	6.53	907671	8.37	473516	10.84
02	E2QQ6	217850	6.54	818705	8.38	402690	10.84
03	E2QR1	246448	6.54	932219	8.38	451815	10.84
04	E2QR3	209093	6.54	770642	8.38	360641	10.85
05	E2QR4	201521	6.54	750278	8.38	361036	10.84
06	E2QR6	194850	6.53	697857	8.37	350103	10.85
07	E2QR8	223839	6.54	863129	8.38	405477	10.85
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
Page 1 of 1

SOM01.2

8D - FORM VIII SV-2
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

EPA Sample No.(SSTD020##): SSTD020MM Date Analyzed: 05/21/2009

Lab File ID (Standard): RFW040MM Time Analyzed: 1017

Instrument ID: R.i GC Column: Rxi-5ms ID: 0.25 (mm)

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	758445	12.81	745090	16.37	639393	18.18
	UPPER LIMIT	1516890	13.31	1490180	16.87	1278786	18.68
	LOWER LIMIT	379222	12.31	372545	15.87	319696	17.68
	EPA SAMPLE NO.						
01	E2QQ3	817150	12.82	631911	16.37	670664	18.18
02	E2QQ6	570799	12.82	662540	16.40	485759	18.21
03	E2QR1	645011	12.82	730692	16.39	351392	18.22
04	E2QR3	554131	12.83	638350	16.41	194101*	18.22
05	E2QR4	581523	12.83	636022	16.42	166567*	18.23
06	E2QR6	663043	12.84	345701*	16.44	91519*	18.23
07	E2QR8	573280	12.83	712244	16.39	293925*	18.21
08							
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22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk

Page 1 of 1 SOM01.2

8C - FORM VIII SV-1
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: Rxi-5ms ID: 0.25 (mm) Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MR Date Analyzed: 05/22/2009

Lab File ID (Standard): RFW040MR Time Analyzed: 0918

Instrument ID: R.i

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	245189	6.48	918633	8.32	475469	10.80
	UPPER LIMIT	490378	6.98	1837266	8.82	950938	11.30
	LOWER LIMIT	122594	5.98	459316	7.82	237734	10.30
	EPA SAMPLE NO.						
01	SBLKM4	260550	6.49	965573	8.32	485307	10.79
02	E2QS1	249466	6.48	918078	8.32	425335	10.78
03	E2QQ1	248967	6.48	875916	8.32	385473	10.78
04	E2QQ2	239096	6.48	876203	8.32	409753	10.78
05	E2QQ2MS	245769	6.48	883890	8.32	407264	10.78
06	E2QQ2MSD	240360	6.48	864096	8.32	412105	10.79
07	E2QS0	251736	6.48	889991	8.32	412201	10.79
08	E2QS2	251256	6.48	855930	8.32	393466	10.79
09							
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22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
Page 1 of 1 SOM01.2

8D - FORM VIII SV-2
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

EPA Sample No.(SSTD020##): SSTD020MR Date Analyzed: 05/22/2009

Lab File ID (Standard): RFW040MR Time Analyzed: 0918

Instrument ID: R.i GC Column: Rxi-5ms ID: 0.25 (mm)

		IS4(PHN) AREA	#	RT	#	IS5(CRY) AREA	#	RT	#	IS6(PRY) AREA	#	RT	#
	12 HOUR STD	782612		12.77		730360		16.32		634079		18.13	
	UPPER LIMIT	1565224		13.27		1460720		16.82		1268158		18.63	
	LOWER LIMIT	391306		12.27		365180		15.82		317040		17.63	
	EPA SAMPLE NO.												
01	SBLKM4	799556		12.77		727122		16.33		635214		18.12	
02	E2QS1	645926		12.77		683035		16.33		520638		18.14	
03	E2QQ1	606520		12.77		763632		16.36		184277	*	18.15	
04	E2QQ2	692957		12.77		898978		16.35		296736	*	18.15	
05	E2QQ2MS	639191		12.77		766632		16.34		549446		18.15	
06	E2QQ2MSD	677487		12.77		788963		16.33		685537		18.14	
07	E2QS0	672692		12.77		867942		16.34		387711		18.15	
08	E2QS2	619206		12.77		738106		16.32		734788		18.13	
09													
10													
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk

Page 1 of 1 SOM01.2

8C - FORM VIII SV-1
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: Rxi-5ms ID: 0.25 (mm) Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MU Date Analyzed: 05/24/2009

Lab File ID (Standard): RFV040MU Time Analyzed: 1807

Instrument ID: R.i

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	295876	6.48	1014040	8.32	478338	10.78
	UPPER LIMIT	591752	6.98	2028080	8.82	956676	11.28
	LOWER LIMIT	147938	5.98	507020	7.82	239169	10.28
	EPA SAMPLE NO.						
01	SBLKL8	422504	6.48	1459465	8.32	657991	10.78
02	E2QQ4	390565	6.48	1302100	8.31	495630	10.78
03	E2QQ5	243081	6.47	863780	8.31	413191	10.78
04	E2QQ7	236562	6.48	837452	8.31	390092	10.77
05	E2QQ8	224858	6.47	793311	8.31	386566	10.77
06	E2QR2	246443	6.47	833287	8.31	392665	10.77
07	E2QR5	333503	6.48	1177024	8.31	540111	10.78
08	E2QR7	222080	6.47	772340	8.31	356948	10.77
09							
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IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
Page 1 of 1 SOM01.2

8D - FORM VIII SV-2
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

EPA Sample No.(SSTD020##): SSTD020MU Date Analyzed: 05/24/2009

Lab File ID (Standard): RFV040MU Time Analyzed: 1807

Instrument ID: R.i GC Column: Rxi-5ms ID: 0.25 (mm)

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	715254	12.76	577337	16.31	540024	18.11
	UPPER LIMIT	1430508	13.26	1154674	16.81	1080048	18.61
	LOWER LIMIT	357627	12.26	288668	15.81	270012	17.61
	EPA SAMPLE NO.						
01	SBLKL8	942123	12.75	652923	16.31	538670	18.11
02	E2QQ4	633243	12.76	738429	16.32	631254	18.12
03	E2QQ5	661553	12.76	811072	16.31	724687	18.12
04	E2QQ7	621681	12.75	718403	16.31	809407	18.12
05	E2QQ8	615761	12.75	687303	16.31	798737	18.12
06	E2QR2	647308	12.75	886352	16.32	483007	18.12
07	E2QR5	756558	12.76	667391	16.30	783265	18.11
08	E2QR7	588632	12.75	754293	16.32	714087	18.12
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IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk

Page 1 of 1 SOM01.2

8C - FORM VIII SV-1
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: Rxi-5ms ID: 0.25 (mm) Init. Calib. Date(s): 04/08/2009 05/20/2009

EPA Sample No.(SSTD020##): SSTD020MY Date Analyzed: 05/26/2009

Lab File ID (Standard): RFV040MY Time Analyzed: 0717

Instrument ID: R.i

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
	12 HOUR STD	261039	6.42	905723	8.26	451499	10.73
	UPPER LIMIT	522078	6.92	1811446	8.76	902998	11.23
	LOWER LIMIT	130520	5.92	452862	7.76	225750	10.23
	EPA SAMPLE NO.						
01	SBLK01	334381	6.41	1165006	8.26	552258	10.73
02	E2QQ3RX	283944	6.42	943859	8.25	422543	10.73
03	E2QQ1RE	222367	6.41	794199	8.25	376116	10.73
04	E2QQ1MS	203567	6.41	714528	8.25	338217	10.73
05	E2QQ1MSD	200874	6.41	707791	8.25	331717	10.73
06	E2QR9	212198	6.42	742450	8.26	370640	10.72
07	E2QQ2RE	213121	6.41	751285	8.25	354775	10.73
08	E2QQ6RE	196235	6.41	681284	8.26	324116	10.73
09	E2QR1RE	206894	6.41	701071	8.26	329024	10.73
10	E2QR3RE	196272	6.41	688824	8.26	339413	10.72
11	E2QR4DL	201439	6.41	693601	8.26	338260	10.72
12	E2QR6DL	212903	6.42	734460	8.26	364409	10.73
13	E2QR8DL	212917	6.42	750597	8.25	350831	10.73
14	E2QR9RE	210093	6.42	726649	8.26	358715	10.73
15							
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20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

Column used to flag values outside QC limits with an asterisk
Page 1 of 1 SOM01.2

8D - FORM VIII SV-2
SEMIVOLATILE INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

EPA Sample No.(SSTD020##): SSTD020MY Date Analyzed: 05/26/2009

Lab File ID (Standard): RFV040MY Time Analyzed: 0717

Instrument ID: R.i GC Column: Rxi-5ms ID: 0.25 (mm)

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
	12 HOUR STD	712048	12.71	630625	16.27	593576	18.07
	UPPER LIMIT	1424096	13.21	1261250	16.77	1187152	18.57
	LOWER LIMIT	356024	12.21	315312	15.77	296788	17.57
	EPA SAMPLE NO.						
01	SBLK01	836955	12.71	697567	16.26	585793	18.06
02	E2QQ3RX	604713	12.71	684635	16.26	675847	18.06
03	E2QQ1RE	601925	12.71	729003	16.29	182962*	18.08
04	E2QQ1MS	553739	12.71	703668	16.29	228923*	18.08
05	E2QQ1MSD	535627	12.71	675115	16.28	385306	18.08
06	E2QR9	648555	12.71	620687	16.31	132543*	18.08
07	E2QQ2RE	599613	12.71	711669	16.29	254615*	18.08
08	E2QQ6RE	538294	12.71	703925	16.29	352662	18.08
09	E2QR1RE	551991	12.71	662125	16.28	262789*	18.08
10	E2QR3RE	596991	12.72	611432	16.30	154988*	18.09
11	E2QR4DL	585754	12.71	653713	16.29	222519*	18.09
12	E2QR6DL	647753	12.71	502942	16.32	104830*	18.10
13	E2QR8DL	576039	12.71	727819	16.28	376963	18.07
14	E2QR9RE	637799	12.72	488123	16.31	110716*	18.09
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

Column used to flag values outside QC limits with an asterisk

Page 1 of 1 SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 794701D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	5300	U
108-95-2	Phenol	5300	U
111-44-4	Bis(2-chloroethyl)ether	5300	U
95-57-8	2-Chlorophenol	5300	U
95-48-7	2-Methylphenol	5300	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5300	U
98-86-2	Acetophenone	5300	U
106-44-5	4-Methylphenol	5300	U
621-64-7	N-Nitroso-di-n-propylamine	5300	U
67-72-1	Hexachloroethane	5300	U
98-95-3	Nitrobenzene	5300	U
78-59-1	Isophorone	5300	U
88-75-5	2-Nitrophenol	5300	U
105-67-9	2,4-Dimethylphenol	5300	U
111-91-1	Bis(2-chloroethoxy)methane	5300	U
120-83-2	2,4-Dichlorophenol	5300	U
91-20-3	Naphthalene	5300	U
106-47-8	4-Chloroaniline	5300	U
87-68-3	Hexachlorobutadiene	5300	U
105-60-2	Caprolactam	5300	U
59-50-7	4-Chloro-3-methylphenol	5300	U
91-57-6	2-Methylnaphthalene	5300	U
77-47-4	Hexachlorocyclopentadiene	5300	U
88-06-2	2,4,6-Trichlorophenol	5300	U
95-95-4	2,4,5-Trichlorophenol	5300	U
92-52-4	1,1'-Biphenyl	5300	U
91-58-7	2-Chloronaphthalene	5300	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	5300	U
606-20-2	2,6-Dinitrotoluene	5300	U
208-96-8	Acenaphthylene	590	J
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	580	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 794701D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	Dibenzofuran	5300	U
121-14-2	2,4-Dinitrotoluene	5300	U
84-66-2	Diethylphthalate	5300	U
86-73-7	Fluorene	5300	U
7005-72-3	4-Chlorophenyl-phenylether	5300	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine(1)	5300	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5300	U
101-55-3	4-Bromophenyl-phenylether	5300	U
118-74-1	Hexachlorobenzene	5300	U
1912-24-9	Atrazine	5300	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	620	J
120-12-7	Anthracene	5300	U
86-74-8	Carbazole	5300	U
84-74-2	Di-n-butylphthalate	5300	U
206-44-0	Fluoranthene	1600	J
129-00-0	Pyrene	3200	J
85-68-7	Butylbenzylphthalate	5300	U
91-94-1	3,3'-Dichlorobenzidine	5300	U
56-55-3	Benzo(a)anthracene	5300	U
218-01-9	Chrysene	2600	J
117-81-7	Bis(2-ethylhexyl)phthalate	5300	U
117-84-0	Di-n-octylphthalate	5300	U
205-99-2	Benzo(b)fluoranthene	4000	J
207-08-9	Benzo(k)fluoranthene	2000	J
50-32-8	Benzo(a)pyrene	1700	J
193-39-5	Indeno(1,2,3-cd)pyrene	1000	J
53-70-3	Dibenzo(a,h)anthracene	5300	U
191-24-2	Benzo(g,h,i)perylene	1200	J
58-90-2	2,3,4,6-Tetrachlorophenol	5300	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 794701D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.25	31000	NJAB
02		Unknown polyterpene derivati	13.50	9700	J
03		Unknown	14.02	9100	J
04	22511-92-8	Androstane, (5.alpha.,14.bet	14.10	6900	NJ
05		Unknown	14.24	18000	J
06		Unknown	14.37	19000	J
07	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.52	36000	NJ
08	35575-54-3	D,D-Dihomoandrostane, (5.alp	14.78	20000	NJ
09	35575-54-3	D,D-Dihomoandrostane, (5.alp	15.18	30000	NJ
10		Unknown	15.26	13000	J
11		Unknown	15.46	12000	J
12		Unknown	15.55	26000	J
13		Unknown	15.61	37000	J
14		Unknown polyterpene derivati	15.72	9200	J
15	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.80	16000	NJ
16		Unknown	15.82	19000	J
17		Unknown polyterpene derivati	16.07	20000	J
18		Unknown polycyclic hydrocarb	16.75	12000	J
19		Unknown polyterpene derivati	17.05	14000	J
20		Unknown	17.09	25000	J
21		Unknown	17.41	61000	J
22		Unknown polyterpene derivati	17.77	93000	J
23	601-58-1	Stigmastane	17.88	55000	NJ
24		Unknown	17.92	25000	J
25		Unknown	17.96	26000	J
26		Unknown polycyclic hydrocarb	18.29	24000	J
27		Unknown	18.44	42000	J
28	601-58-1	Stigmastane	18.53	70000	NJ
29	36728-72-0	28-Nor-17.beta.(H)-hopane	18.89	26000	NJ
30		Unknown polyterpene derivati	19.33	50000	J
	E966796(2)	Total Alkanes	N/A		

(2) EPA-designated Registry Number.

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 29.5 (g/mL) g Lab File ID: 794701M

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	5400	U
108-95-2	Phenol	990	J
111-44-4	Bis(2-chloroethyl)ether	5400	U
95-57-8	2-Chlorophenol	1200	J
95-48-7	2-Methylphenol	5400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5400	U
98-86-2	Acetophenone	5400	U
106-44-5	4-Methylphenol	5400	U
621-64-7	N-Nitroso-di-n-propylamine	1400	J
67-72-1	Hexachloroethane	5400	U
98-95-3	Nitrobenzene	5400	U
78-59-1	Isophorone	5400	U
88-75-5	2-Nitrophenol	5400	U
105-67-9	2,4-Dimethylphenol	5400	U
111-91-1	Bis(2-chloroethoxy)methane	5400	U
120-83-2	2,4-Dichlorophenol	5400	U
91-20-3	Naphthalene	5400	U
106-47-8	4-Chloroaniline	5400	U
87-68-3	Hexachlorobutadiene	5400	U
105-60-2	Caprolactam	5400	U
59-50-7	4-Chloro-3-methylphenol	1400	J
91-57-6	2-Methylnaphthalene	5400	U
77-47-4	Hexachlorocyclopentadiene	5400	U
88-06-2	2,4,6-Trichlorophenol	5400	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	5400	U
91-58-7	2-Chloronaphthalene	5400	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	5400	U
606-20-2	2,6-Dinitrotoluene	5400	U
208-96-8	Acenaphthylene	5400	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	2700	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 29.5 (g/mL) g Lab File ID: 794701M

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	1600	J
132-64-9	Dibenzofuran	5400	U
121-14-2	2,4-Dinitrotoluene	900	J
84-66-2	Diethylphthalate	5400	U
86-73-7	Fluorene	5400	U
7005-72-3	4-Chlorophenyl-phenylether	5400	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine(1)	5400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5400	U
101-55-3	4-Bromophenyl-phenylether	5400	U
118-74-1	Hexachlorobenzene	5400	U
1912-24-9	Atrazine	5400	U
87-86-5	Pentachlorophenol	1200	J
85-01-8	Phenanthrene	5400	U
120-12-7	Anthracene	5400	U
86-74-8	Carbazole	5400	U
84-74-2	Di-n-butylphthalate	5400	U
206-44-0	Fluoranthene	1200	J
129-00-0	Pyrene	4100	J
85-68-7	Butylbenzylphthalate	5400	U
91-94-1	3,3'-Dichlorobenzidine	5400	U
56-55-3	Benzo(a)anthracene	5400	U
218-01-9	Chrysene	1500	J
117-81-7	Bis(2-ethylhexyl)phthalate	770	J
117-84-0	Di-n-octylphthalate	5400	U
205-99-2	Benzo(b)fluoranthene	2500	J
207-08-9	Benzo(k)fluoranthene	1900	J
50-32-8	Benzo(a)pyrene	1600	J
193-39-5	Indeno(1,2,3-cd)pyrene	5400	U
53-70-3	Dibenzo(a,h)anthracene	5400	U
191-24-2	Benzo(g,h,i)perylene	5400	U
58-90-2	2,3,4,6-Tetrachlorophenol	5400	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 794701S

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	5400	U
108-95-2	Phenol	1700	J
111-44-4	Bis(2-chloroethyl)ether	5400	U
95-57-8	2-Chlorophenol	1900	J
95-48-7	2-Methylphenol	5400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5400	U
98-86-2	Acetophenone	5400	U
106-44-5	4-Methylphenol	5400	U
621-64-7	N-Nitroso-di-n-propylamine	1700	J
67-72-1	Hexachloroethane	5400	U
98-95-3	Nitrobenzene	5400	U
78-59-1	Isophorone	5400	U
88-75-5	2-Nitrophenol	5400	U
105-67-9	2,4-Dimethylphenol	5400	U
111-91-1	Bis(2-chloroethoxy)methane	5400	U
120-83-2	2,4-Dichlorophenol	5400	U
91-20-3	Naphthalene	5400	U
106-47-8	4-Chloroaniline	5400	U
87-68-3	Hexachlorobutadiene	5400	U
105-60-2	Caprolactam	5400	U
59-50-7	4-Chloro-3-methylphenol	1800	J
91-57-6	2-Methylnaphthalene	5400	U
77-47-4	Hexachlorocyclopentadiene	5400	U
88-06-2	2,4,6-Trichlorophenol	5400	U
95-95-4	2,4,5-Trichlorophenol	5400	U
92-52-4	1,1'-Biphenyl	5400	U
91-58-7	2-Chloronaphthalene	5400	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	5400	U
606-20-2	2,6-Dinitrotoluene	5400	U
208-96-8	Acenaphthylene	5400	U
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	2300	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 794701S

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	2700	J
132-64-9	Dibenzofuran	5400	U
121-14-2	2,4-Dinitrotoluene	1300	J
84-66-2	Diethylphthalate	5400	U
86-73-7	Fluorene	5400	U
7005-72-3	4-Chlorophenyl-phenylether	5400	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine(1)	5400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5400	U
101-55-3	4-Bromophenyl-phenylether	5400	U
118-74-1	Hexachlorobenzene	5400	U
1912-24-9	Atrazine	5400	U
87-86-5	Pentachlorophenol	1500	J
85-01-8	Phenanthrene	640	J
120-12-7	Anthracene	5400	U
86-74-8	Carbazole	5400	U
84-74-2	Di-n-butylphthalate	5400	U
206-44-0	Fluoranthene	1500	J
129-00-0	Pyrene	3700	J
85-68-7	Butylbenzylphthalate	5400	U
91-94-1	3,3'-Dichlorobenzidine	5400	U
56-55-3	Benzo(a)anthracene	5400	U
218-01-9	Chrysene	2000	J
117-81-7	Bis(2-ethylhexyl)phthalate	5400	U
117-84-0	Di-n-octylphthalate	5400	U
205-99-2	Benzo(b)fluoranthene	3000	J
207-08-9	Benzo(k)fluoranthene	1500	J
50-32-8	Benzo(a)pyrene	1600	J
193-39-5	Indeno(1,2,3-cd)pyrene	5400	U
53-70-3	Dibenzo(a,h)anthracene	5400	U
191-24-2	Benzo(g,h,i)perylene	5400	U
58-90-2	2,3,4,6-Tetrachlorophenol	5400	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701R1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 794701D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	5300	U
108-95-2	Phenol	5300	U
111-44-4	Bis(2-chloroethyl)ether	5300	U
95-57-8	2-Chlorophenol	5300	U
95-48-7	2-Methylphenol	5300	U
108-60-1	2,2'-Oxybis(1-chloropropane)	5300	U
98-86-2	Acetophenone	5300	U
106-44-5	4-Methylphenol	5300	U
621-64-7	N-Nitroso-di-n-propylamine	5300	U
67-72-1	Hexachloroethane	5300	U
98-95-3	Nitrobenzene	5300	U
78-59-1	Isophorone	5300	U
88-75-5	2-Nitrophenol	5300	U
105-67-9	2,4-Dimethylphenol	5300	U
111-91-1	Bis(2-chloroethoxy)methane	5300	U
120-83-2	2,4-Dichlorophenol	5300	U
91-20-3	Naphthalene	5300	U
106-47-8	4-Chloroaniline	5300	U
87-68-3	Hexachlorobutadiene	5300	U
105-60-2	Caprolactam	5300	U
59-50-7	4-Chloro-3-methylphenol	5300	U
91-57-6	2-Methylnaphthalene	5300	U
77-47-4	Hexachlorocyclopentadiene	5300	U
88-06-2	2,4,6-Trichlorophenol	5300	U
95-95-4	2,4,5-Trichlorophenol	5300	U
92-52-4	1,1'-Biphenyl	5300	U
91-58-7	2-Chloronaphthalene	5300	U
88-74-4	2-Nitroaniline	10000	U
131-11-3	Dimethylphthalate	5300	U
606-20-2	2,6-Dinitrotoluene	5300	U
208-96-8	Acenaphthylene	590	J
99-09-2	3-Nitroaniline	10000	U
83-32-9	Acenaphthene	5300	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701R1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 794701D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	10000	U
100-02-7	4-Nitrophenol	10000	U
132-64-9	Dibenzofuran	5300	U
121-14-2	2,4-Dinitrotoluene	5300	U
84-66-2	Diethylphthalate	5300	U
86-73-7	Fluorene	5300	U
7005-72-3	4-Chlorophenyl-phenylether	5300	U
100-01-6	4-Nitroaniline	10000	U
534-52-1	4,6-Dinitro-2-methylphenol	10000	U
86-30-6	N-Nitrosodiphenylamine(1)	5300	U
95-94-3	1,2,4,5-Tetrachlorobenzene	5300	U
101-55-3	4-Bromophenyl-phenylether	5300	U
118-74-1	Hexachlorobenzene	5300	U
1912-24-9	Atrazine	5300	U
87-86-5	Pentachlorophenol	10000	U
85-01-8	Phenanthrene	520	J
120-12-7	Anthracene	5300	U
86-74-8	Carbazole	5300	U
84-74-2	Di-n-butylphthalate	5300	U
206-44-0	Fluoranthene	1700	J
129-00-0	Pyrene	3300	J
85-68-7	Butylbenzylphthalate	5300	U
91-94-1	3,3'-Dichlorobenzidine	5300	U
56-55-3	Benzo(a)anthracene	5300	U
218-01-9	Chrysene	2700	J
117-81-7	Bis(2-ethylhexyl)phthalate	5300	U
117-84-0	Di-n-octylphthalate	5300	U
205-99-2	Benzo(b)fluoranthene	3600	J
207-08-9	Benzo(k)fluoranthene	2100	J
50-32-8	Benzo(a)pyrene	1700	J
193-39-5	Indeno(1,2,3-cd)pyrene	870	J
53-70-3	Dibenzo(a,h)anthracene	5300	U
191-24-2	Benzo(g,h,i)perylene	1400	J
58-90-2	2,3,4,6-Tetrachlorophenol	5300	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ1RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701R1

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 794701D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 10.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.20	31000	NJAB
02		Unknown aliphatic compound	13.43	9400	J
03	74810-41-6	Cyclohexane, (2-ethyl-1-meth	13.58	8000	NJ
04	24887-75-0	Androstane	13.74	8100	NJ
05		Unknown aliphatic compound	13.81	7100	J
06		Unknown aliphatic compound	13.96	8500	J
07		Unknown aliphatic compound	14.18	17000	J
08		Unknown aliphatic compound	14.30	18000	J
09		Unknown aliphatic compound	14.42	10000	J
10	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.47	36000	NJ
11	641-85-0	Allopregnane	14.71	8800	NJ
12	35575-54-3	D,D-Dihomoandrostane, (5.alp	15.12	22000	NJ
13		Unknown aliphatic compound	15.21	14000	J
14	1000285-40-2	.beta.-iso-Methyl ionone	15.49	19000	NJ
15		Unknown	15.57	27000	J
16		Unknown	15.66	5700	J
17	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.74	13000	NJ
18		Unknown	15.76	14000	J
19		Unknown	15.96	6700	J
20		Unknown	16.03	19000	J
21		Unknown	16.68	5700	J
22	481-21-0	Cholestane	16.99	10000	NJ
23		Unknown	17.03	19000	J
24		Unknown polyterpene derivati	17.35	32000	J
25	601-58-1	Stigmastane	17.81	31000	NJ
26		Unknown	17.86	10000	J
27		Unknown polyterpene derivati	18.04	15000	J
28		Unknown polyterpene derivati	18.37	23000	J
29	601-58-1	Stigmastane	18.46	30000	NJ
30		Unknown polyterpene derivati	19.23	23000	J
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	17000	U
111-44-4	Bis(2-chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	17000	U
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	17000	U
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	Bis(2-chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	17000	U
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	17000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	17000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	12000	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	34000	U
132-64-9	Dibenzofuran	17000	U
121-14-2	2,4-Dinitrotoluene	17000	U
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	17000	U
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-Nitrosodiphenylamine(1)	17000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	17000	U
120-12-7	Anthracene	17000	U
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	7000	J
129-00-0	Pyrene	7900	J
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	17000	U
218-01-9	Chrysene	7500	J
117-81-7	Bis(2-ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	5900	J
207-08-9	Benzo(k)fluoranthene	2600	J
50-32-8	Benzo(a)pyrene	1900	J
193-39-5	Indeno(1,2,3-cd)pyrene	17000	U
53-70-3	Dibenzo(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	17000	U
58-90-2	2,3,4,6-Tetrachlorophenol	17000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	2156-97-0	Dodecyl acrylate	12.00	25000	NJB
02		Unknown aliphatic compound	12.60	22000	J
03	14237-73-1	2-Hexadecene, 3,7,11,15-tetr	12.99	14000	NJ
04	7372-88-5	Dibenzothiophene, 4-methyl-	13.23	29000	NJ
05		Unknown	13.50	31000	J
06	2531-84-2	Phenanthrene, 2-methyl-	13.64	32000	NJ
07	16587-34-1	Naphtho[2,3-b]thiophene, 4,9	13.79	36000	NJ
08	16587-34-1	Naphtho[2,3-b]thiophene, 4,9	14.06	32000	NJ
09	781-43-1	9,10-Dimethylanthracene	14.22	43000	NJ
10	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.52	70000	NJ
11	1000256-99-5	5(10H)-Pyrido[3,4-b]quinolon	14.59	61000	NJ
12	1000132-20-9	1-Penten-3-one, 4-methyl-1-[	14.85	43000	NJ
13		Unknown aliphatic compound	14.89	34000	J
14	481-26-5	Pregnane	15.18	96000	NJ
15		Unknown	15.31	44000	J
16		Unknown polyterpene derivati	15.55	110000	J
17		Unknown	15.74	49000	J
18		Unknown	16.00	68000	J
19		Unknown polyterpene derivati	16.31	26000	J
20		Unknown benzene derivative	16.44	31000	J
21		Unknown polyterpene derivati	16.75	56000	J
22		Unknown	17.05	32000	J
23		Unknown polyterpene derivati	17.71	120000	J
24		Unknown polyterpene derivati	17.87	85000	J
25	601-58-1	Stigmastane	18.53	72000	NJ
26	601-53-6	Cholestan-3-one, (5.beta.)-	19.09	38000	NJ
27		Unknown	19.32	48000	J
28					
29					
30					
	E966796(2)	Total Alkanes	N/A	1000000	J

(2)EPA-designated Registry Number.

acth 6-24-09 7-14-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MS

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702M

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	87000	
111-44-4	Bis(2-chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	96000	
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	95000	
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	Bis(2-chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	94000	
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	17000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	17000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	100000	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MS

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MS

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702M

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	98000	
132-64-9	Dibenzofuran	2600	J
121-14-2	2,4-Dinitrotoluene	84000	
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	4700	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-Nitrosodiphenylamine(1)	17000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	73000	
85-01-8	Phenanthrene	17000	U
120-12-7	Anthracene	17000	U
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	4000	J
129-00-0	Pyrene	77000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	17000	U
218-01-9	Chrysene	4000	J
117-81-7	Bis(2-ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	17000	U
207-08-9	Benzo(k)fluoranthene	17000	U
50-32-8	Benzo(a)pyrene	17000	U
193-39-5	Indeno(1,2,3-cd)pyrene	17000	U
53-70-3	Dibenzo(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	17000	U
58-90-2	2,3,4,6-Tetrachlorophenol	17000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MD

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794702S

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	17000	U
108-95-2	Phenol	90000	
111-44-4	Bis(2-chloroethyl)ether	17000	U
95-57-8	2-Chlorophenol	100000	
95-48-7	2-Methylphenol	17000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	17000	U
98-86-2	Acetophenone	17000	U
106-44-5	4-Methylphenol	17000	U
621-64-7	N-Nitroso-di-n-propylamine	98000	
67-72-1	Hexachloroethane	17000	U
98-95-3	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-5	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	Bis(2-chloroethoxy)methane	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	17000	U
87-68-3	Hexachlorobutadiene	17000	U
105-60-2	Caprolactam	17000	U
59-50-7	4-Chloro-3-methylphenol	98000	
91-57-6	2-Methylnaphthalene	17000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	17000	U
92-52-4	1,1'-Biphenyl	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
208-96-8	Acenaphthylene	17000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	100000	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2MSD

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702MD

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794702S

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	100000	
132-64-9	Dibenzofuran	17000	U
121-14-2	2,4-Dinitrotoluene	88000	
84-66-2	Diethylphthalate	17000	U
86-73-7	Fluorene	2500	J
7005-72-3	4-Chlorophenyl-phenylether	17000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-Nitrosodiphenylamine(1)	17000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	17000	U
101-55-3	4-Bromophenyl-phenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
1912-24-9	Atrazine	17000	U
87-86-5	Pentachlorophenol	74000	
85-01-8	Phenanthrene	3600	J
120-12-7	Anthracene	17000	U
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butylphthalate	17000	U
206-44-0	Fluoranthene	7200	J
129-00-0	Pyrene	81000	
85-68-7	Butylbenzylphthalate	17000	U
91-94-1	3,3'-Dichlorobenzidine	17000	U
56-55-3	Benzo(a)anthracene	3200	J
218-01-9	Chrysene	4700	J
117-81-7	Bis(2-ethylhexyl)phthalate	17000	U
117-84-0	Di-n-octylphthalate	17000	U
205-99-2	Benzo(b)fluoranthene	3100	J
207-08-9	Benzo(k)fluoranthene	3000	J
50-32-8	Benzo(a)pyrene	3100	J
193-39-5	Indeno(1,2,3-cd)pyrene	17000	U
53-70-3	Dibenzo(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	17000	U
58-90-2	2,3,4,6-Tetrachlorophenol	17000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702R1

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702I2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	18000	U
108-95-2	Phenol	18000	U
111-44-4	Bis(2-chloroethyl)ether	18000	U
95-57-8	2-Chlorophenol	18000	U
95-48-7	2-Methylphenol	18000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	18000	U
98-86-2	Acetophenone	18000	U
106-44-5	4-Methylphenol	18000	U
621-64-7	N-Nitroso-di-n-propylamine	18000	U
67-72-1	Hexachloroethane	18000	U
98-95-3	Nitrobenzene	18000	U
78-59-1	Isophorone	18000	U
88-75-5	2-Nitrophenol	18000	U
105-67-9	2,4-Dimethylphenol	18000	U
111-91-1	Bis(2-chloroethoxy)methane	18000	U
120-83-2	2,4-Dichlorophenol	18000	U
91-20-3	Naphthalene	18000	U
106-47-8	4-Chloroaniline	18000	U
87-68-3	Hexachlorobutadiene	18000	U
105-60-2	Caprolactam	18000	U
59-50-7	4-Chloro-3-methylphenol	18000	U
91-57-6	2-Methylnaphthalene	18000	U
77-47-4	Hexachlorocyclopentadiene	18000	U
88-06-2	2,4,6-Trichlorophenol	18000	U
95-95-4	2,4,5-Trichlorophenol	18000	U
92-52-4	1,1'-Biphenyl	18000	U
91-58-7	2-Chloronaphthalene	18000	U
88-74-4	2-Nitroaniline	34000	U
131-11-3	Dimethylphthalate	18000	U
606-20-2	2,6-Dinitrotoluene	18000	U
208-96-8	Acenaphthylene	18000	U
99-09-2	3-Nitroaniline	34000	U
83-32-9	Acenaphthene	14000	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702R1

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702I2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	34000	U
100-02-7	4-Nitrophenol	34000	U
132-64-9	Dibenzofuran	4900	J
121-14-2	2,4-Dinitrotoluene	18000	U
84-66-2	Diethylphthalate	18000	U
86-73-7	Fluorene	9200	J
7005-72-3	4-Chlorophenyl-phenylether	18000	U
100-01-6	4-Nitroaniline	34000	U
534-52-1	4,6-Dinitro-2-methylphenol	34000	U
86-30-6	N-Nitrosodiphenylamine(1)	18000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	18000	U
101-55-3	4-Bromophenyl-phenylether	18000	U
118-74-1	Hexachlorobenzene	18000	U
1912-24-9	Atrazine	18000	U
87-86-5	Pentachlorophenol	34000	U
85-01-8	Phenanthrene	18000	U
120-12-7	Anthracene	1800	J
86-74-8	Carbazole	18000	U
84-74-2	Di-n-butylphthalate	18000	U
206-44-0	Fluoranthene	8100	J
129-00-0	Pyrene	11000	J
85-68-7	Butylbenzylphthalate	18000	U
91-94-1	3,3'-Dichlorobenzidine	18000	U
56-55-3	Benzo(a)anthracene	18000	U
218-01-9	Chrysene	9000	J
117-81-7	Bis(2-ethylhexyl)phthalate	18000	U
117-84-0	Di-n-octylphthalate	18000	U
205-99-2	Benzo(b)fluoranthene	6100	J
207-08-9	Benzo(k)fluoranthene	4000	J
50-32-8	Benzo(a)pyrene	2900	J
193-39-5	Indeno(1,2,3-cd)pyrene	18000	U
53-70-3	Dibenzo(a,h)anthracene	18000	U
191-24-2	Benzo(g,h,i)perylene	18000	U
58-90-2	2,3,4,6-Tetrachlorophenol	18000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ2RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702R1

Sample wt/vol: 1.00 (g/mL) g Lab File ID: 794702I2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	2156-97-0	Dodecyl acrylate	11.94	32000	NJB
02		Unknown aliphatic compound	12.95	15000	J
03		Unknown aliphatic compound	13.44	34000	J
04	107426-38-0	Naphtho[2,3-b]norbornadiene	13.58	31000	NJ
05	1207-15-4	2,8-Dimethyldibenzo(b,d)thio	13.74	32000	NJ
06		Unknown	13.96	37000	J
07	16587-34-1	Naphtho[2,3-b]thiophene, 4,9	14.00	35000	NJ
08	3674-69-9	Phenanthrene, 4,5-dimethyl-	14.17	49000	NJ
09	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.47	52000	NJ
10	74630-83-4	1-Propene-2-thiol, 1,1-diphe	14.55	68000	NJ
11	3674-73-5	Phenanthrene, 2,3,5-trimethy	14.79	50000	NJ
12	641-85-0	Allopregnane	15.12	58000	NJ
13		Unknown	15.27	70000	J
14		Unknown polycyclic hydrocarb	15.49	120000	J
15		Unknown aliphatic compound	15.62	34000	J
16	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.74	47000	NJ
17		Unknown	15.94	100000	J
18		Unknown benzene derivative	16.39	56000	J
19	24964-07-6	Benzo[b]naphtho[2,3-d]thioph	16.43	45000	NJ
20		Unknown polycyclic hydrocarb	16.69	51000	J
21	481-20-9	Coprostane	16.99	35000	NJ
22		Unknown	17.04	38000	J
23		Unknown polyterpene derivati	17.65	140000	J
24	601-58-1	Stigmastane	17.81	94000	NJ
25		Unknown polyterpene derivati	18.05	35000	J
26	601-58-1	Stigmastane	18.46	60000	NJ
27	36728-72-0	28-Nor-17.beta.(H)-hopane	18.81	39000	NJ
28	15600-08-5	Cholestan-3-one	19.01	45000	NJ
29	1000197-08-4	1-Cyclohexene, 1,3,3-trimeth	19.24	38000	NJ
30	1000210-43-4	Cholestan-2-one	19.28	37000	NJ
	E966796(2)	Total Alkanes	N/A	1400000	J

(2)EPA-designated Registry Number.

ACH 5-14-09 5-19-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794703

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	810	U
108-95-2	Phenol	810	U
111-44-4	Bis(2-chloroethyl)ether	810	U
95-57-8	2-Chlorophenol	810	U
95-48-7	2-Methylphenol	810	U
108-60-1	2,2'-Oxybis(1-chloropropane)	810	U
98-86-2	Acetophenone	810	U
106-44-5	4-Methylphenol	810	U
621-64-7	N-Nitroso-di-n-propylamine	810	U
67-72-1	Hexachloroethane	810	U
98-95-3	Nitrobenzene	810	U
78-59-1	Isophorone	810	U
88-75-5	2-Nitrophenol	810	U
105-67-9	2,4-Dimethylphenol	810	U
111-91-1	Bis(2-chloroethoxy)methane	810	U
120-83-2	2,4-Dichlorophenol	810	U
91-20-3	Naphthalene	810	U
106-47-8	4-Chloroaniline	810	U
87-68-3	Hexachlorobutadiene	810	U
105-60-2	Caprolactam	810	U
59-50-7	4-Chloro-3-methylphenol	810	U
91-57-6	2-Methylnaphthalene	810	U
77-47-4	Hexachlorocyclopentadiene	810	U
88-06-2	2,4,6-Trichlorophenol	810	U
95-95-4	2,4,5-Trichlorophenol	810	U
92-52-4	1,1'-Biphenyl	810	U
91-58-7	2-Chloronaphthalene	810	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	810	U
606-20-2	2,6-Dinitrotoluene	810	U
208-96-8	Acenaphthylene	810	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	810	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794703

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	810	U
121-14-2	2,4-Dinitrotoluene	810	U
84-66-2	Diethylphthalate	810	U
86-73-7	Fluorene	810	U
7005-72-3	4-Chlorophenyl-phenylether	810	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine(1)	810	U
95-94-3	1,2,4,5-Tetrachlorobenzene	810	U
101-55-3	4-Bromophenyl-phenylether	810	U
118-74-1	Hexachlorobenzene	810	U
1912-24-9	Atrazine	810	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	140	J
120-12-7	Anthracene	810	U
86-74-8	Carbazole	810	U
84-74-2	Di-n-butylphthalate	810	U
206-44-0	Fluoranthene	250	J
129-00-0	Pyrene	250	J
85-68-7	Butylbenzylphthalate	810	U
91-94-1	3,3'-Dichlorobenzidine	810	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	210	J
117-81-7	Bis(2-ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	810	U
205-99-2	Benzo(b)fluoranthene	180	J
207-08-9	Benzo(k)fluoranthene	170	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	810	U
191-24-2	Benzo(g,h,i)perylene	200	J
58-90-2	2,3,4,6-Tetrachlorophenol	810	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794703

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	107-92-6	Butanoic acid	3.48	440	NJ
02	625-27-4	2-Pentene, 2-methyl-	3.66	1100	NJ
03	4461-48-7	2-Pentene, 4-methyl-	4.13	690	NJ
04	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.31	13000	NJAB
05		Unknown	11.09	370	J
06	18633-25-5	Oxirane, tridecyl-	14.95	420	NJ
07		Unknown aliphatic aldehyde	15.90	320	J
08	1000309-12-7	Sulfurous acid, octadecyl 2-	16.18	760	NJ
09	53584-60-4	28-Nor-17.alpha.(H)-hopane	18.93	530	NJ
10	7494-34-0	26-Nor-5-cholesten-3.beta.-o	19.13	810	NJ
11	80-97-7	Cholestanol	19.20	660	NJ
12		Unknown polyterpene derivati	19.38	860	J
13	474-62-4	Campesterol	19.75	1700	NJ
14	83-48-7	Stigmasterol	19.94	1800	NJ
15	6538-02-9	Ergostanol	20.05	1600	NJ
16	83-46-5	.beta.-Sitosterol	20.32	6400	NJ
17	19466-47-8	Stigmastanol	20.40	2300	NJ
18	1615-91-4	A'-Neogammacer-22(29)-ene	20.46	1100	NJ
19		Unknown polyterpene derivati	20.56	640	J
20		Unknown polyterpene derivati	20.72	1700	J
21		Unknown	20.88	740	J
22	1058-61-3	Stigmast-4-en-3-one	21.35	1700	NJ
23		Unknown	22.02	630	J
24		Unknown polyterpene derivati	22.27	400	J
25		Unknown	22.68	320	J
26					
27					
28					
29					
30					
	E966796(2)	Total Alkanes	N/A	3000	J

(2) EPA-designated Registry Number.

ACA 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3RX

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703R1

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794703R1

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	270	J
108-95-2	Phenol	800	U
111-44-4	Bis(2-chloroethyl)ether	800	U
95-57-8	2-Chlorophenol	800	U
95-48-7	2-Methylphenol	800	U
108-60-1	2,2'-Oxybis(1-chloropropane)	800	U
98-86-2	Acetophenone	800	U
106-44-5	4-Methylphenol	800	U
621-64-7	N-Nitroso-di-n-propylamine	800	U
67-72-1	Hexachloroethane	800	U
98-95-3	Nitrobenzene	800	U
78-59-1	Isophorone	800	U
88-75-5	2-Nitrophenol	800	U
105-67-9	2,4-Dimethylphenol	800	U
111-91-1	Bis(2-chloroethoxy)methane	800	U
120-83-2	2,4-Dichlorophenol	800	U
91-20-3	Naphthalene	96	J
106-47-8	4-Chloroaniline	800	U
87-68-3	Hexachlorobutadiene	800	U
105-60-2	Caprolactam	800	U
59-50-7	4-Chloro-3-methylphenol	800	U
91-57-6	2-Methylnaphthalene	92	J
77-47-4	Hexachlorocyclopentadiene	800	U
88-06-2	2,4,6-Trichlorophenol	800	U
95-95-4	2,4,5-Trichlorophenol	800	U
92-52-4	1,1'-Biphenyl	800	U
91-58-7	2-Chloronaphthalene	800	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethylphthalate	800	U
606-20-2	2,6-Dinitrotoluene	800	U
208-96-8	Acenaphthylene	800	U
99-09-2	3-Nitroaniline	1600	U
83-32-9	Acenaphthene	800	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3RX

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703R1

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794703R1

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	800	U
121-14-2	2,4-Dinitrotoluene	800	U
84-66-2	Diethylphthalate	800	U
86-73-7	Fluorene	800	U
7005-72-3	4-Chlorophenyl-phenylether	800	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-Nitrosodiphenylamine(1)	800	U
95-94-3	1,2,4,5-Tetrachlorobenzene	800	U
101-55-3	4-Bromophenyl-phenylether	800	U
118-74-1	Hexachlorobenzene	800	U
1912-24-9	Atrazine	800	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	470	J
120-12-7	Anthracene	88	J
86-74-8	Carbazole	82	J
84-74-2	Di-n-butylphthalate	800	U
206-44-0	Fluoranthene	1000	
129-00-0	Pyrene	750	J
85-68-7	Butylbenzylphthalate	110	J
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	550	J
218-01-9	Chrysene	770	J
117-81-7	Bis(2-ethylhexyl)phthalate	490	JB
117-84-0	Di-n-octylphthalate	800	U
205-99-2	Benzo(b)fluoranthene	860	
207-08-9	Benzo(k)fluoranthene	840	
50-32-8	Benzo(a)pyrene	730	J
193-39-5	Indeno(1,2,3-cd)pyrene	260	J
53-70-3	Dibenzo(a,h)anthracene	93	J
191-24-2	Benzo(g,h,i)perylene	240	J
58-90-2	2,3,4,6-Tetrachlorophenol	800	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ3RX

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703R1

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794703R1

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.2 Dilution Factor: 1.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	141-79-7	3-Penten-2-one, 4-methyl-	3.60	650	NJA
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.24	41000	NJAB
03		Unknown	9.22	430	JB
04		Unknown	10.98	500	J
05	1000144-57-9	16-Heptadecenal	14.86	900	NJ
06	243-17-4	11H-Benzo[b]fluorene	15.09	440	NJ
07	638-66-4	Octadecanal	15.80	740	NJ
08	53057-53-7	1,21-Docosadiene	16.68	670	NJ
09		Unknown aliphatic compound	16.96	1300	J
10		Unknown	17.45	610	J
11	7683-64-9	Squalene	17.48	1500	NJ
12	1000164-49-7	Bacteriochlorophyll-c-steary	17.75	820	NJ
13	629-66-3	2-Nonadecanone	17.78	970	NJ
14	55255-70-4	Anthracene, 9-cyclohexyltetr	18.21	940	NJ
15		Unknown	18.28	720	J
16	601-58-1	Stigmastane	18.36	580	NJ
17		Unknown polyterpene derivati	18.45	700	J
18		Unknown polyterpene derivati	18.64	1900	J
19		Unknown	18.80	950	J
20		Unknown polyterpene derivati	18.83	1800	J
21		Unknown polyterpene derivati	19.23	1000	J
22	474-62-4	Campesterol	19.60	560	NJ
23		Unknown polycyclic hydrocarb	19.80	950	J
24		Unknown PAH	19.92	2100	J
25	83-46-5	.beta.-Sitosterol	20.16	4400	NJ
26	1615-91-4	A'-Neogammacer-22(29)-ene	20.27	3000	NJ
27		Unknown polyterpene derivati	20.35	750	J
28		Unknown polyterpene derivati	20.52	1600	J
29		Unknown polyterpene derivati	20.67	620	J
30	1058-61-3	Stigmast-4-en-3-one	21.13	1400	NJ
	E966796(2)	Total Alkanes	N/A	11000	J

(2)EPA-designated Registry Number.

ACH 6-24-09 7-14-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794704

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794704

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	89	J
108-95-2	Phenol	550	U
111-44-4	Bis(2-chloroethyl)ether	550	U
95-57-8	2-Chlorophenol	550	U
95-48-7	2-Methylphenol	550	U
108-60-1	2,2'-Oxybis(1-chloropropane)	550	U
98-86-2	Acetophenone	550	U
106-44-5	4-Methylphenol	550	U
621-64-7	N-Nitroso-di-n-propylamine	550	U
67-72-1	Hexachloroethane	550	U
98-95-3	Nitrobenzene	550	U
78-59-1	Isophorone	550	U
88-75-5	2-Nitrophenol	550	U
105-67-9	2,4-Dimethylphenol	550	U
111-91-1	Bis(2-chloroethoxy)methane	550	U
120-83-2	2,4-Dichlorophenol	550	U
91-20-3	Naphthalene	55	J
106-47-8	4-Chloroaniline	550	U
87-68-3	Hexachlorobutadiene	550	U
105-60-2	Caprolactam	550	U
59-50-7	4-Chloro-3-methylphenol	550	U
91-57-6	2-Methylnaphthalene	58	J
77-47-4	Hexachlorocyclopentadiene	550	U
88-06-2	2,4,6-Trichlorophenol	550	U
95-95-4	2,4,5-Trichlorophenol	550	U
92-52-4	1,1'-Biphenyl	550	U
91-58-7	2-Chloronaphthalene	550	U
88-74-4	2-Nitroaniline	1100	U
131-11-3	Dimethylphthalate	550	U
606-20-2	2,6-Dinitrotoluene	550	U
208-96-8	Acenaphthylene	550	U
99-09-2	3-Nitroaniline	1100	U
83-32-9	Acenaphthene	550	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794704

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794704

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1100	U
100-02-7	4-Nitrophenol	1100	U
132-64-9	Dibenzofuran	550	U
121-14-2	2,4-Dinitrotoluene	550	U
84-66-2	Diethylphthalate	550	U
86-73-7	Fluorene	550	U
7005-72-3	4-Chlorophenyl-phenylether	550	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
86-30-6	N-Nitrosodiphenylamine(1)	550	U
95-94-3	1,2,4,5-Tetrachlorobenzene	550	U
101-55-3	4-Bromophenyl-phenylether	550	U
118-74-1	Hexachlorobenzene	550	U
1912-24-9	Atrazine	550	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	280	J
120-12-7	Anthracene	57	J
86-74-8	Carbazole	550	U
84-74-2	Di-n-butylphthalate	550	U
206-44-0	Fluoranthene	610	
129-00-0	Pyrene	420	J
85-68-7	Butylbenzylphthalate	65	J
91-94-1	3,3'-Dichlorobenzidine	550	U
56-55-3	Benzo(a)anthracene	330	J
218-01-9	Chrysene	460	J
117-81-7	Bis(2-ethylhexyl)phthalate	370	J
117-84-0	Di-n-octylphthalate	550	U
205-99-2	Benzo(b)fluoranthene	540	J
207-08-9	Benzo(k)fluoranthene	500	J
50-32-8	Benzo(a)pyrene	450	J
193-39-5	Indeno(1,2,3-cd)pyrene	150	J
53-70-3	Dibenzo(a,h)anthracene	550	U
191-24-2	Benzo(g,h,i)perylene	160	J
58-90-2	2,3,4,6-Tetrachlorophenol	550	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794704

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794704

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.7 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	79-09-4	Propanoic acid	2.54	4600	NJ
02	79-31-2	Propanoic acid, 2-methyl-	3.42	3400	NJ
03	3404-73-7	1-Pentene, 3,3-dimethyl-	3.62	1900	NJ
04	107-92-6	Butanoic acid	4.07	16000	NJ
05	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.31	34000	NJAB
06	503-74-2	Butanoic acid, 3-methyl-	4.45	930	NJ
07	116-53-0	Butanoic acid, 2-methyl-	4.63	1600	NJ
08	109-52-4	Pentanoic acid	4.95	1100	NJ
09		Unknown	11.04	920	J
10	57-10-3	n-Hexadecanoic acid	13.52	800	NJ
11	7390-81-0	Oxirane, hexadecyl-	14.90	1200	NJ
12	1000130-97-9	E-15-Heptadecenal	15.23	1500	NJ
13	7320-37-8	Oxirane, tetradecyl-	15.84	860	NJ
14	1599-67-3	1-Docosene	16.13	3100	NJ
15	638-66-4	Octadecanal	16.72	730	NJ
16		Unknown	17.01	1400	J
17	41702-60-7	1,7-Octadien-3-one, 2-methyl	17.49	740	NJ
18	7683-64-9	Squalene	17.53	1200	NJ
19	601-58-1	Stigmastane	17.85	930	NJ
20	601-58-1	Stigmastane	18.42	760	NJ
21		Unknown polyterpene derivati	18.69	820	J
22		Unknown polyterpene derivati	19.30	1100	J
23	474-62-4	Campesterol	19.67	1200	NJ
24	83-48-7	Stigmasterol	19.86	2400	NJ
25	1000252-39-4	17,20-Isocholest-5-en-3.beta	19.99	3000	NJ
26	1000214-20-7	Stigmasterol, 22,23-dihydro-	20.23	11000	NJ
27	19466-47-8	Stigmastanol	20.32	6100	NJ
28		Unknown polyterpene derivati	20.61	2700	J
29	1058-61-3	Stigmast-4-en-3-one	21.22	1700	NJ
30		Unknown polyterpene derivati	22.12	680	J
	E966796(2)	Total Alkanes	N/A	6300	J

(2) EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794705

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794705

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	400	U
108-95-2	Phenol	400	U
111-44-4	Bis(2-chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	400	U
98-86-2	Acetophenone	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	Bis(2-chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	350	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
105-60-2	Caprolactam	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	93	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
92-52-4	1,1'-Biphenyl	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	780	U
131-11-3	Dimethylphthalate	400	U
606-20-2	2,6-Dinitrotoluene	400	U
208-96-8	Acenaphthylene	150	J
99-09-2	3-Nitroaniline	780	U
83-32-9	Acenaphthene	400	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794705

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794705

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	780	U
100-02-7	4-Nitrophenol	780	U
132-64-9	Dibenzofuran	59	J
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
86-73-7	Fluorene	46	J
7005-72-3	4-Chlorophenyl-phenylether	400	U
100-01-6	4-Nitroaniline	780	U
534-52-1	4,6-Dinitro-2-methylphenol	780	U
86-30-6	N-Nitrosodiphenylamine(1)	400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
1912-24-9	Atrazine	400	U
87-86-5	Pentachlorophenol	780	U
85-01-8	Phenanthrene	210	J
120-12-7	Anthracene	80	J
86-74-8	Carbazole	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	330	J
129-00-0	Pyrene	190	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	200	J
218-01-9	Chrysene	310	J
117-81-7	Bis(2-ethylhexyl)phthalate	99	J
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	J
207-08-9	Benzo(k)fluoranthene	260	J
50-32-8	Benzo(a)pyrene	280	J
193-39-5	Indeno(1,2,3-cd)pyrene	120	J
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	120	J
58-90-2	2,3,4,6-Tetrachlorophenol	400	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794705

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794705

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.1 Dilution Factor: 1.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	3404-73-7	1-Pentene, 3,3-dimethyl-	3.62	930	NJ
02	563-79-1	2-Butene, 2,3-dimethyl-	4.13	530	NJ
03	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.29	24000	NJAB
04		Unknown	13.43	390	J
05	57-10-3	n-Hexadecanoic acid	13.52	260	NJ
06		Unknown	13.78	220	J
07	1000293-16-6	18-Norabietane	13.85	490	NJ
08		Unknown	14.23	230	J
09	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.49	210	NJ
10	638-66-4	Octadecanal	14.90	830	NJ
11	2381-21-7	Pyrene, 1-methyl-	15.15	270	NJ
12	67860-04-2	Oxirane, heptadecyl-	15.85	700	NJ
13	1000309-38-3	Oxalic acid, isobutyl octade	16.13	1200	NJ
14	57866-08-7	Tetracosanal	16.71	200	NJ
15		Unknown	17.06	470	J
16	75581-03-2	2,6,10,14,18-Pentamethyl-2,6	17.52	680	NJ
17	50-32-8	Benzo[a]pyrene	17.78	930	NJ
18	601-58-1	Stigmastane	17.85	510	NJ
19		Unknown	18.25	540	J
20		Unknown	18.42	790	J
21		Unknown polyterpene derivati	18.51	630	J
22		Unknown	18.69	610	J
23		Unknown	18.77	400	J
24	36728-72-0	28-Nor-17.beta.(H)-hopane	18.86	260	NJ
25		Unknown polycyclic hydrocarb	19.30	320	J
26	83-47-6	.gamma.-Sitosterol	20.22	530	NJ
27		Unknown polycyclic hydrocarb	20.35	540	J
28		Unknown	20.59	250	J
29					
30					
	E966796(2)	Total Alkanes	N/A	4500	J

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794706D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	1800	U
108-95-2	Phenol	1800	U
111-44-4	Bis(2-chloroethyl)ether	1800	U
95-57-8	2-Chlorophenol	1800	U
95-48-7	2-Methylphenol	1800	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1800	U
98-86-2	Acetophenone	1800	U
106-44-5	4-Methylphenol	180	J
621-64-7	N-Nitroso-di-n-propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	Bis(2-chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
91-20-3	Naphthalene	4800	
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
105-60-2	Caprolactam	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-57-6	2-Methylnaphthalene	1100	J
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	1800	U
92-52-4	1,1'-Biphenyl	450	J
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	3400	U
131-11-3	Dimethylphthalate	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
208-96-8	Acenaphthylene	890	J
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	940	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794706D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	570	J
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
86-73-7	Fluorene	3300	
7005-72-3	4-Chlorophenyl-phenylether	1800	U
100-01-6	4-Nitroaniline	3400	U
534-52-1	4,6-Dinitro-2-methylphenol	3400	U
86-30-6	N-Nitrosodiphenylamine(1)	1800	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
1912-24-9	Atrazine	1800	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	1400	J
120-12-7	Anthracene	790	J
86-74-8	Carbazole	1800	U
84-74-2	Di-n-butylphthalate	1800	U
206-44-0	Fluoranthene	13000	
129-00-0	Pyrene	8900	
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)anthracene	5000	
218-01-9	Chrysene	4700	
117-81-7	Bis(2-ethylhexyl)phthalate	1800	U
117-84-0	Di-n-octylphthalate	1800	U
205-99-2	Benzo(b)fluoranthene	7200	
207-08-9	Benzo(k)fluoranthene	4500	
50-32-8	Benzo(a)pyrene	4700	
193-39-5	Indeno(1,2,3-cd)pyrene	830	J
53-70-3	Dibenzo(a,h)anthracene	290	J
191-24-2	Benzo(g,h,i)perylene	730	J
58-90-2	2,3,4,6-Tetrachlorophenol	1800	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794706D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.32	21000	NJAB
02		Unknown	12.03	4100	J
03	3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tet	12.13	29000	NJ
04	3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tet	12.29	4400	NJ
05		Unknown	12.65	7800	J
06	7614-93-9	Benzene, 1,1'-(3-methyl-1-pr	12.70	6200	NJ
07		Unknown	13.21	5200	J
08		Unknown	13.30	3800	J
09		Unknown	13.54	5100	J
10	203-64-5	4H-Cyclopenta[def]phenanthre	13.68	6500	NJ
11	612-94-2	Naphthalene, 2-phenyl-	13.91	5000	NJ
12	3674-69-9	Phenanthrene, 4,5-dimethyl-	14.13	4500	NJ
13	3674-66-6	Phenanthrene, 2,5-dimethyl-	14.28	3500	NJ
14	10276-14-9	Benzene, [(3-phenyl-2-propen	14.64	10000	NJ
15	243-17-4	11H-Benzo[b]fluorene	15.23	12000	NJ
16	3674-73-5	Phenanthrene, 2,3,5-trimethy	15.32	6200	NJ
17	82657-04-3	Talstar	15.60	13000	NJ
18	4309-66-4	Stilbene, 4-amino- (E)-	15.80	7800	NJ
19	97825-91-7	9-Anthracenamine, 9,10-dihyd	15.93	11000	NJ
20	243-46-9	Benzo[b]naphtho[2,3-d]thioph	16.05	11000	NJ
21		Unknown	16.11	7000	J
22		Unknown	16.51	11000	J
23		Unknown	16.87	8200	J
24	2498-77-3	Benz[a]anthracene, 1-methyl-	16.92	5200	NJ
25		Unknown	17.14	14000	J
26		Unknown	17.35	6500	J
27	601-58-1	Stigmastane	17.93	6900	NJ
28		Unknown	18.49	7000	J
29	601-58-1	Stigmastane	18.59	4700	NJ
30		Unknown polycyclic hydrocarb	19.40	3200	J
	E966796(2)	Total Alkanes	N/A	37000	J

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794706D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	1800	U
108-95-2	Phenol	1800	U
111-44-4	Bis(2-chloroethyl)ether	1800	U
95-57-8	2-Chlorophenol	1800	U
95-48-7	2-Methylphenol	1800	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1800	U
98-86-2	Acetophenone	1800	U
106-44-5	4-Methylphenol	1800	U
621-64-7	N-Nitroso-di-n-propylamine	1800	U
67-72-1	Hexachloroethane	1800	U
98-95-3	Nitrobenzene	1800	U
78-59-1	Isophorone	1800	U
88-75-5	2-Nitrophenol	1800	U
105-67-9	2,4-Dimethylphenol	1800	U
111-91-1	Bis(2-chloroethoxy)methane	1800	U
120-83-2	2,4-Dichlorophenol	1800	U
91-20-3	Naphthalene	4800	
106-47-8	4-Chloroaniline	1800	U
87-68-3	Hexachlorobutadiene	1800	U
105-60-2	Caprolactam	1800	U
59-50-7	4-Chloro-3-methylphenol	1800	U
91-57-6	2-Methylnaphthalene	1200	J
77-47-4	Hexachlorocyclopentadiene	1800	U
88-06-2	2,4,6-Trichlorophenol	1800	U
95-95-4	2,4,5-Trichlorophenol	1800	U
92-52-4	1,1'-Biphenyl	460	J
91-58-7	2-Chloronaphthalene	1800	U
88-74-4	2-Nitroaniline	3400	U
131-11-3	Dimethylphthalate	1800	U
606-20-2	2,6-Dinitrotoluene	1800	U
208-96-8	Acenaphthylene	1100	J
99-09-2	3-Nitroaniline	3400	U
83-32-9	Acenaphthene	1100	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794706D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	3400	U
100-02-7	4-Nitrophenol	3400	U
132-64-9	Dibenzofuran	580	J
121-14-2	2,4-Dinitrotoluene	1800	U
84-66-2	Diethylphthalate	1800	U
86-73-7	Fluorene	3600	
7005-72-3	4-Chlorophenyl-phenylether	1800	U
100-01-6	4-Nitroaniline	3400	U
534-52-1	4,6-Dinitro-2-methylphenol	3400	U
86-30-6	N-Nitrosodiphenylamine(1)	1800	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1800	U
101-55-3	4-Bromophenyl-phenylether	1800	U
118-74-1	Hexachlorobenzene	1800	U
1912-24-9	Atrazine	1800	U
87-86-5	Pentachlorophenol	3400	U
85-01-8	Phenanthrene	1500	J
120-12-7	Anthracene	870	J
86-74-8	Carbazole	1800	U
84-74-2	Di-n-butylphthalate	1800	U
206-44-0	Fluoranthene	15000	
129-00-0	Pyrene	9500	
85-68-7	Butylbenzylphthalate	1800	U
91-94-1	3,3'-Dichlorobenzidine	1800	U
56-55-3	Benzo(a)anthracene	5200	
218-01-9	Chrysene	4800	
117-81-7	Bis(2-ethylhexyl)phthalate	1800	U
117-84-0	Di-n-octylphthalate	1800	U
205-99-2	Benzo(b)fluoranthene	7100	
207-08-9	Benzo(k)fluoranthene	5700	
50-32-8	Benzo(a)pyrene	4700	
193-39-5	Indeno(1,2,3-cd)pyrene	760	J
53-70-3	Dibenzo(a,h)anthracene	250	J
191-24-2	Benzo(g,h,i)perylene	700	J
58-90-2	2,3,4,6-Tetrachlorophenol	1800	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ6RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794706D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.19	20000	NJABW
02		Unknown	11.92	4200	J
03	26137-53-1	Naphthalene, 1,2,3-trimethyl	12.01	28000	NJ
04		Unknown aromatic compound	12.18	4300	J
05		Unknown aliphatic compound	12.53	7700	J
06	7614-93-9	Benzene, 1,1'-(3-methyl-1-pr	12.60	6700	NJ
07		Unknown	12.94	4400	J
08		Unknown	13.03	3900	J
09		Unknown	13.44	6200	J
10	2531-84-2	Phenanthrene, 2-methyl-	13.58	7000	NJ
11	1207-15-4	2,8-Dimethyldibenzo(b,d)thio	13.74	4100	NJ
12	612-94-2	Naphthalene, 2-phenyl-	13.81	6400	NJ
13	3674-69-9	Phenanthrene, 4,5-dimethyl-	14.01	3300	NJ
14	52251-71-5	Anthracene, 2-ethyl-	14.18	5700	NJ
15		Unknown	14.54	8600	J
16	3674-73-5	Phenanthrene, 2,3,5-trimethy	14.79	3600	NJ
17	2381-21-7	Pyrene, 1-methyl-	15.12	6500	NJ
18	3674-73-5	Phenanthrene, 2,3,5-trimethy	15.21	3800	NJ
19	74421-26-4	Benzeneethanol, .beta.-methy	15.50	27000	NJ
20	4309-66-4	Stilbene, 4-amino- (E)-	15.71	12000	NJ
21	4309-66-4	Stilbene, 4-amino- (E)-	15.82	21000	NJ
22		Unknown	15.94	18000	J
23		Unknown aliphatic compound	16.00	10000	J
24		Unknown	16.42	19000	J
25		Unknown	16.78	11000	J
26	2541-69-7	Benz[a]anthracene, 7-methyl-	16.82	11000	NJ
27		Unknown	17.03	29000	J
28		Unknown	17.49	13000	J
29	601-58-1	Stigmastane	17.81	10000	NJ
30		Unknown polycyclic hydrocarb	18.81	3600	J
	E966796(2)	Total Alkanes	N/A	34000	J

(2) EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794707

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794707

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 78 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	770	U
108-95-2	Phenol	770	U
111-44-4	Bis(2-chloroethyl)ether	770	U
95-57-8	2-Chlorophenol	770	U
95-48-7	2-Methylphenol	770	U
108-60-1	2,2'-Oxybis(1-chloropropane)	770	U
98-86-2	Acetophenone	770	U
106-44-5	4-Methylphenol	770	U
621-64-7	N-Nitroso-di-n-propylamine	770	U
67-72-1	Hexachloroethane	770	U
98-95-3	Nitrobenzene	770	U
78-59-1	Isophorone	770	U
88-75-5	2-Nitrophenol	770	U
105-67-9	2,4-Dimethylphenol	770	U
111-91-1	Bis(2-chloroethoxy)methane	770	U
120-83-2	2,4-Dichlorophenol	770	U
91-20-3	Naphthalene	100	J
106-47-8	4-Chloroaniline	770	U
87-68-3	Hexachlorobutadiene	770	U
105-60-2	Caprolactam	770	U
59-50-7	4-Chloro-3-methylphenol	770	U
91-57-6	2-Methylnaphthalene	770	U
77-47-4	Hexachlorocyclopentadiene	770	U
88-06-2	2,4,6-Trichlorophenol	770	U
95-95-4	2,4,5-Trichlorophenol	770	U
92-52-4	1,1'-Biphenyl	770	U
91-58-7	2-Chloronaphthalene	770	U
88-74-4	2-Nitroaniline	1500	U
131-11-3	Dimethylphthalate	770	U
606-20-2	2,6-Dinitrotoluene	770	U
208-96-8	Acenaphthylene	770	U
99-09-2	3-Nitroaniline	1500	U
83-32-9	Acenaphthene	770	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794707

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794707

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 78 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1500	U
100-02-7	4-Nitrophenol	1500	U
132-64-9	Dibenzofuran	770	U
121-14-2	2,4-Dinitrotoluene	770	U
84-66-2	Diethylphthalate	770	U
86-73-7	Fluorene	770	U
7005-72-3	4-Chlorophenyl-phenylether	770	U
100-01-6	4-Nitroaniline	1500	U
534-52-1	4,6-Dinitro-2-methylphenol	1500	U
86-30-6	N-Nitrosodiphenylamine(1)	770	U
95-94-3	1,2,4,5-Tetrachlorobenzene	770	U
101-55-3	4-Bromophenyl-phenylether	770	U
118-74-1	Hexachlorobenzene	770	U
1912-24-9	Atrazine	770	U
87-86-5	Pentachlorophenol	1500	U
85-01-8	Phenanthrene	250	J
120-12-7	Anthracene	770	U
86-74-8	Carbazole	770	U
84-74-2	Di-n-butylphthalate	770	U
206-44-0	Fluoranthene	420	J
129-00-0	Pyrene	270	J
85-68-7	Butylbenzylphthalate	770	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	190	J
218-01-9	Chrysene	350	J
117-81-7	Bis(2-ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	770	U
205-99-2	Benzo(b)fluoranthene	260	J
207-08-9	Benzo(k)fluoranthene	250	J
50-32-8	Benzo(a)pyrene	250	J
193-39-5	Indeno(1,2,3-cd)pyrene	89	J
53-70-3	Dibenzo(a,h)anthracene	770	U
191-24-2	Benzo(g,h,i)perylene	100	J
58-90-2	2,3,4,6-Tetrachlorophenol	770	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794707

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794707

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 78 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.9 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	3404-72-6	1-Pentene, 2,3-dimethyl-	3.62	1500	NJ
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.29	48000	NJAB
03		Unknown	11.03	520	J
04	2416-20-8	Hexadecenoic acid, Z-11-	13.43	670	NJ
05	57-10-3	n-Hexadecanoic acid	13.52	930	NJ
06	1000293-16-6	18-Norabietane	13.85	810	NJ
07		Unknown aliphatic compound	14.16	750	J
08	1000309-12-4	Sulfurous acid, 2-propyl tri	15.23	1000	NJ
09	1599-67-3	1-Docosene	16.12	3300	NJ
10		Unknown	17.05	1200	J
11		Unknown	17.11	780	J
12	36237-66-8	6,10,14-Hexadecatrien-1-ol,	17.52	1100	NJ
13		Unknown	17.67	630	J
14	112-92-5	1-Octadecanol	17.77	4000	NJ
15	1724-39-6	Cyclododecanol	18.33	1100	NJ
16		Unknown	18.42	840	J
17	601-58-1	Stigmastane	18.51	780	NJ
18	506-52-5	1-Hexacosanol	18.61	2700	NJ
19	2345-28-0	2-Pentadecanone	18.68	1000	NJ
20		Unknown	18.90	550	J
21		Unknown polyterpene derivati	19.06	490	J
22		Unknown polyterpene derivati	19.30	1300	J
23	474-62-4	Campesterol	19.67	1200	NJ
24		Unknown polyterpene derivati	19.86	1500	J
25		Unknown	20.00	1100	J
26	83-46-5	.beta.-Sitosterol	20.22	3300	NJ
27	1615-91-4	A'-Neogammacer-22(29)-ene	20.35	1700	NJ
28		Unknown polyterpene derivati	20.60	1200	J
29		Unknown polyterpene derivati	20.76	1200	J
30	1058-61-3	Stigmast-4-en-3-one	21.23	1900	NJ
	E966796(2)	Total Alkanes	N/A	12000	J

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794708

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794708

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 80 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	850	U
108-95-2	Phenol	850	U
111-44-4	Bis(2-chloroethyl)ether	850	U
95-57-8	2-Chlorophenol	850	U
95-48-7	2-Methylphenol	850	U
108-60-1	2,2'-Oxybis(1-chloropropane)	850	U
98-86-2	Acetophenone	850	U
106-44-5	4-Methylphenol	850	U
621-64-7	N-Nitroso-di-n-propylamine	850	U
67-72-1	Hexachloroethane	850	U
98-95-3	Nitrobenzene	850	U
78-59-1	Isophorone	850	U
88-75-5	2-Nitrophenol	850	U
105-67-9	2,4-Dimethylphenol	850	U
111-91-1	Bis(2-chloroethoxy)methane	850	U
120-83-2	2,4-Dichlorophenol	850	U
91-20-3	Naphthalene	850	U
106-47-8	4-Chloroaniline	850	U
87-68-3	Hexachlorobutadiene	850	U
105-60-2	Caprolactam	850	U
59-50-7	4-Chloro-3-methylphenol	850	U
91-57-6	2-Methylnaphthalene	850	U
77-47-4	Hexachlorocyclopentadiene	850	U
88-06-2	2,4,6-Trichlorophenol	850	U
95-95-4	2,4,5-Trichlorophenol	850	U
92-52-4	1,1'-Biphenyl	850	U
91-58-7	2-Chloronaphthalene	850	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	850	U
606-20-2	2,6-Dinitrotoluene	850	U
208-96-8	Acenaphthylene	850	U
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	850	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794708

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794708

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 80 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	850	U
121-14-2	2,4-Dinitrotoluene	850	U
84-66-2	Diethylphthalate	850	U
86-73-7	Fluorene	850	U
7005-72-3	4-Chlorophenyl-phenylether	850	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine(1)	850	U
95-94-3	1,2,4,5-Tetrachlorobenzene	850	U
101-55-3	4-Bromophenyl-phenylether	850	U
118-74-1	Hexachlorobenzene	850	U
1912-24-9	Atrazine	850	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	850	U
120-12-7	Anthracene	850	U
86-74-8	Carbazole	850	U
84-74-2	Di-n-butylphthalate	850	U
206-44-0	Fluoranthene	100	J
129-00-0	Pyrene	850	U
85-68-7	Butylbenzylphthalate	850	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)anthracene	850	U
218-01-9	Chrysene	850	U
117-81-7	Bis(2-ethylhexyl)phthalate	85	J
117-84-0	Di-n-octylphthalate	850	U
205-99-2	Benzo(b)fluoranthene	850	U
207-08-9	Benzo(k)fluoranthene	850	U
50-32-8	Benzo(a)pyrene	850	U
193-39-5	Indeno(1,2,3-cd)pyrene	850	U
53-70-3	Dibenzo(a,h)anthracene	850	U
191-24-2	Benzo(g,h,i)perylene	850	U
58-90-2	2,3,4,6-Tetrachlorophenol	850	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QQ8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794708

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794708

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 80 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.0 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	3404-72-6	1-Pentene, 2,3-dimethyl-	3.62	2800	NJ
02	558-37-2	1-Butene, 3,3-dimethyl-	4.14	1600	NJ
03	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.30	66000	NJAB
04		Unknown aliphatic compound	13.77	1300	J
05	1000293-16-6	18-Norabietane	13.85	4000	NJ
06	1686-66-4	Phenanthrene, 7-ethenyl-1,2,	15.57	1600	NJ
07	2541-75-5	8-Heptadecanol	16.14	5200	NJ
08	2922-51-2	2-Heptadecanone	17.04	1100	NJ
09		Unknown aliphatic compound	17.11	1100	J
10		Unknown aliphatic compound	17.25	900	J
11		Unknown aliphatic compound	17.39	680	J
12		Unknown alcohol	17.63	950	J
13		Unknown alcohol	17.77	4500	J
14	75207-54-4	2-Pentacosanone	17.83	1100	NJ
15	20834-06-4	Dodecanoic acid, hexadecyl e	17.87	890	NJ
16	629-73-2	1-Hexadecene	18.42	1100	NJ
17	17600-99-6	2-Nonacosanone	18.68	1500	NJ
18		Unknown aliphatic compound	18.89	1000	J
19		Unknown	19.30	890	J
20	474-62-4	Campesterol	19.66	2000	NJ
21		Unknown polyterpene derivati	19.83	2500	J
22		Unknown polyterpene derivati	19.99	1700	J
23	83-46-5	.beta.-Sitosterol	20.22	6000	NJ
24	19466-47-8	Stigmastanol	20.30	2400	NJ
25	1615-91-4	A'-Neogammacer-22(29)-ene	20.34	2800	NJ
26		Unknown polyterpene derivati	20.50	1200	J
27	55331-88-9	Stigmastan-7-one	20.60	1400	NJ
28	1617-70-5	Lup-20(29)-en-3-one	20.76	1200	NJ
29	1058-61-3	Stigmast-4-en-3-one	21.22	1500	NJ
30		Unknown	21.87	1300	J
	E966796(2)	Total Alkanes	N/A	29000	J

(2) EPA-designated Registry Number.

ACH ~~6-24-09~~ 7-14-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794709

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	520	U
108-95-2	Phenol	520	U
111-44-4	Bis(2-chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-Oxybis(1-chloropropane)	520	U
98-86-2	Acetophenone	93	J
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	Bis(2-chloroethoxy)methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
91-20-3	Naphthalene	400	J
106-47-8	4-Chloroaniline	150	J
87-68-3	Hexachlorobutadiene	520	U
105-60-2	Caprolactam	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	340	J
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	520	U
92-52-4	1,1'-Biphenyl	220	J
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	520	U
606-20-2	2,6-Dinitrotoluene	520	U
208-96-8	Acenaphthylene	300	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	240	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794709

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	480	J
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
86-73-7	Fluorene	200	J
7005-72-3	4-Chlorophenyl-phenylether	520	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine(1)	520	U
95-94-3	1,2,4,5-Tetrachlorobenzene	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
1912-24-9	Atrazine	520	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	770	
120-12-7	Anthracene	260	J
86-74-8	Carbazole	58	J
84-74-2	Di-n-butylphthalate	520	U
206-44-0	Fluoranthene	1500	
129-00-0	Pyrene	1100	
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)anthracene	860	
218-01-9	Chrysene	1200	
117-81-7	Bis(2-ethylhexyl)phthalate	310	J
117-84-0	Di-n-octylphthalate	520	U
205-99-2	Benzo(b)fluoranthene	2500	
207-08-9	Benzo(k)fluoranthene	1400	
50-32-8	Benzo(a)pyrene	1600	
193-39-5	Indeno(1,2,3-cd)pyrene	520	
53-70-3	Dibenzo(a,h)anthracene	120	J
191-24-2	Benzo(g,h,i)perylene	540	
58-90-2	2,3,4,6-Tetrachlorophenol	520	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794709

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.35	36000	NJAB
02	1000222-86-6	Oxime-, methoxy-phenyl-_	5.08	2400	NJ
03	57-10-3	n-Hexadecanoic acid	13.58	1300	NJ
04	41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tet	13.72	900	NJ
05	41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetr	13.95	650	NJ
06	32598-14-4	1,1'-Biphenyl, 2,3,3',4,4'-p	15.06	820	NJ
07	3442-78-2	Pyrene, 2-methyl-	15.22	1000	NJ
08	506-30-9	Eicosanoic acid	15.61	1600	NJ
09		Unknown	16.13	1600	J
10		Unknown	17.10	1100	J
11		Unknown	17.14	1100	J
12		Unknown	17.46	3200	J
13	7683-64-9	Squalene	17.60	4300	NJ
14		Unknown polyterpene derivati	17.93	2900	J
15		Unknown	17.98	1400	J
16		Unknown	18.02	1600	J
17	192-97-2	Benzo[e]pyrene	18.08	1700	NJ
18	198-55-0	Perylene	18.25	1800	NJ
19		Unknown polycyclic hydrocarb	18.35	2500	J
20		Unknown	18.50	2700	J
21	601-58-1	Stigmastane	18.60	2800	NJ
22		Unknown	18.69	1200	J
23	55401-75-7	Anthracene, 9-dodecyltetrade	18.97	1800	NJ
24	1000285-40-2	.beta.-iso-Methyl ionone	19.41	2500	NJ
25		Unknown	19.77	1500	J
26		Unknown	19.98	1800	J
27	83-46-5	.beta.-Sitosterol	20.33	3500	NJ
28		Unknown	20.49	2100	J
29		Unknown polyterpene derivati	20.73	1300	J
30	1058-61-3	Stigmast-4-en-3-one	21.37	2200	NJ
	E966796(2)	Total Alkanes	N/A	6600	J

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794709I2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	520	U
108-95-2	Phenol	520	U
111-44-4	Bis(2-chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	2,2'-Oxybis(1-chloropropane)	520	U
98-86-2	Acetophenone	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
111-91-1	Bis(2-chloroethoxy)methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
91-20-3	Naphthalene	410	J
106-47-8	4-Chloroaniline	250	J
87-68-3	Hexachlorobutadiene	520	U
105-60-2	Caprolactam	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	340	J
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	520	U
92-52-4	1,1'-Biphenyl	220	J
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	1000	U
131-11-3	Dimethylphthalate	520	U
606-20-2	2,6-Dinitrotoluene	520	U
208-96-8	Acenaphthylene	390	J
99-09-2	3-Nitroaniline	1000	U
83-32-9	Acenaphthene	260	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794709I2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	500	J
121-14-2	2,4-Dinitrotoluene	520	U
84-66-2	Diethylphthalate	520	U
86-73-7	Fluorene	210	J
7005-72-3	4-Chlorophenyl-phenylether	520	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-Nitrosodiphenylamine(1)	520	U
95-94-3	1,2,4,5-Tetrachlorobenzene	520	U
101-55-3	4-Bromophenyl-phenylether	520	U
118-74-1	Hexachlorobenzene	520	U
1912-24-9	Atrazine	520	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	800	
120-12-7	Anthracene	290	J
86-74-8	Carbazole	69	J
84-74-2	Di-n-butylphthalate	520	U
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	1200	
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	520	U
56-55-3	Benzo(a)anthracene	870	
218-01-9	Chrysene	1200	
117-81-7	Bis(2-ethylhexyl)phthalate	350	J
117-84-0	Di-n-octylphthalate	520	U
205-99-2	Benzo(b)fluoranthene	2700	
207-08-9	Benzo(k)fluoranthene	1600	
50-32-8	Benzo(a)pyrene	1700	
193-39-5	Indeno(1,2,3-cd)pyrene	560	
53-70-3	Dibenzo(a,h)anthracene	130	J
191-24-2	Benzo(g,h,i)perylene	600	
58-90-2	2,3,4,6-Tetrachlorophenol	520	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR1RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794709I2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.25	36000	NJABU
02	1000222-86-6	Oxime-, methoxy-phenyl-_	4.96	1500	NJ
03	57-10-3	n-Hexadecanoic acid	13.49	870	NJ
04	2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tet	13.60	610	NJ
05	2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tet	13.85	630	NJ
06	56558-16-8	1,1'-Biphenyl, 2,2',4,6,6'-P	14.56	490	NJ
07	68194-11-6	1,1'-Biphenyl, 2,3,4',5,6-Pe	14.96	690	NJ
08	243-17-4	11H-Benzo[b]fluorene	15.11	950	NJ
09	1000195-40-9	2,4,5,5,8a-Pentamethyl-6,7,8	15.48	620	NJ
10		Unknown	15.81	640	J
11	243-46-9	Benzo[b]naphtho[2,3-d]thioph	15.93	600	NJ
12	1000299-46-0	3-Methyl-1-triisobutylsilylo	16.02	1400	NJ
13		Unknown	16.60	1100	J
14		Unknown	16.98	840	J
15	1000263-05-4	Benzoic acid, 4-fluoro-, 2-i	17.02	930	NJ
16		Unknown	17.34	4200	J
17	7683-64-9	Squalene	17.49	4800	NJ
18	601-58-1	Stigmastane	17.81	3800	NJ
19		Unknown	17.86	1900	J
20		Unknown	17.90	1900	J
21	192-97-2	Benzo[e]pyrene	17.96	1800	NJ
22		Unknown	18.22	4600	J
23	601-58-1	Stigmastane	18.38	4600	NJ
24	601-58-1	Stigmastane	18.46	4600	NJ
25	36728-72-0	28-Nor-17.beta.(H)-hopane	18.81	3800	NJ
26		Unknown polyterpene derivati	19.24	5400	J
27		Unknown polycyclic hydrocarb	19.79	1800	J
28	83-46-5	.beta.-Sitosterol	20.15	3000	NJ
29		Unknown polycyclic hydrocarb	20.28	2700	J
30	1058-61-3	Stigmast-4-en-3-one	21.14	2100	NJ
	E966796(2)	Total Alkanes	N/A	7400	J

(2)EPA-designated Registry Number.

ACA 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794710

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794710

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 65 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	480	U
108-95-2	Phenol	480	U
111-44-4	Bis(2-chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	2,2'-Oxybis(1-chloropropane)	480	U
98-86-2	Acetophenone	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
111-91-1	Bis(2-chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
91-20-3	Naphthalene	210	J
106-47-8	4-Chloroaniline	180	J
87-68-3	Hexachlorobutadiene	480	U
105-60-2	Caprolactam	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	180	J
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	480	U
92-52-4	1,1'-Biphenyl	120	J
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	940	U
131-11-3	Dimethylphthalate	480	U
606-20-2	2,6-Dinitrotoluene	480	U
208-96-8	Acenaphthylene	220	J
99-09-2	3-Nitroaniline	940	U
83-32-9	Acenaphthene	130	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794710

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794710

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 65 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	940	U
100-02-7	4-Nitrophenol	940	U
132-64-9	Dibenzofuran	270	J
121-14-2	2,4-Dinitrotoluene	480	U
84-66-2	Diethylphthalate	480	U
86-73-7	Fluorene	120	J
7005-72-3	4-Chlorophenyl-phenylether	480	U
100-01-6	4-Nitroaniline	940	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
86-30-6	N-Nitrosodiphenylamine(1)	480	U
95-94-3	1,2,4,5-Tetrachlorobenzene	480	U
101-55-3	4-Bromophenyl-phenylether	480	U
118-74-1	Hexachlorobenzene	480	U
1912-24-9	Atrazine	480	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	400	J
120-12-7	Anthracene	150	J
86-74-8	Carbazole	480	U
84-74-2	Di-n-butylphthalate	480	U
206-44-0	Fluoranthene	920	
129-00-0	Pyrene	530	
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	480	U
56-55-3	Benzo(a)anthracene	460	J
218-01-9	Chrysene	600	
117-81-7	Bis(2-ethylhexyl)phthalate	180	J
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	910	
50-32-8	Benzo(a)pyrene	880	
193-39-5	Indeno(1,2,3-cd)pyrene	280	J
53-70-3	Dibenzo(a,h)anthracene	67	J
191-24-2	Benzo(g,h,i)perylene	280	J
58-90-2	2,3,4,6-Tetrachlorophenol	480	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794710

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 794710

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 65 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.28	16000	NJAB
02	57-10-3	n-Hexadecanoic acid	13.52	470	NJ
03	2437-79-8	1,1'-Biphenyl, 2,2',4,4'-tet	13.65	480	NJ
04	41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetr	13.89	530	NJ
05	74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pe	14.99	470	NJ
06	3442-78-2	Pyrene, 2-methyl-	15.15	590	NJ
07		Unknown aliphatic compound	15.52	390	J
08	55255-58-8	Naphthalene, 1,2,3,4-tetrahy	16.05	450	NJ
09	6765-39-5	1-Heptadecene	16.13	700	NJ
10		Unknown	17.07	420	J
11		Unknown	17.39	2400	J
12		Unknown	17.53	1600	J
13	601-58-1	Stigmastane	17.86	1500	NJ
14		Unknown	17.90	1000	J
15		Unknown	17.95	1100	J
16	192-97-2	Benzo[e]pyrene	17.99	1200	NJ
17	1000285-40-2	.beta.-iso-Methyl ionone	18.09	570	NJ
18		Unknown polyterpene derivati	18.27	2500	J
19	601-58-1	Stigmastane	18.32	1600	NJ
20		Unknown polyterpene derivati	18.42	2500	J
21	601-58-1	Stigmastane	18.51	2100	NJ
22		Unknown	18.61	1000	J
23	601-58-1	Stigmastane	18.72	790	NJ
24	36728-72-0	28-Nor-17.beta.(H)-hopane	18.86	1500	NJ
25	1000285-40-2	.beta.-iso-Methyl ionone	19.31	1800	NJ
26		Unknown polycyclic hydrocarb	19.87	1000	J
27	83-46-5	.beta.-Sitosterol	20.23	1100	NJ
28		Unknown polycyclic hydrocarb	20.35	1100	J
29	1000158-61-2	Tricyclo[5.2.1.0(2,6)]dec-8-	20.60	670	NJ
30	1058-61-3	Stigmast-4-en-3-one	21.22	860	NJ
	E966796(2)	Total Alkanes	N/A	2300	J

(2) EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794711D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	2100	U
108-95-2	Phenol	2100	U
111-44-4	Bis(2-chloroethyl)ether	2100	U
95-57-8	2-Chlorophenol	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2100	U
98-86-2	Acetophenone	2100	U
106-44-5	4-Methylphenol	250	J
621-64-7	N-Nitroso-di-n-propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	Bis(2-chloroethoxy)methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
91-20-3	Naphthalene	1700	J
106-47-8	4-Chloroaniline	1100	J
87-68-3	Hexachlorobutadiene	2100	U
105-60-2	Caprolactam	2100	U
59-50-7	4-Chloro-3-methylphenol	2100	U
91-57-6	2-Methylnaphthalene	1400	J
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	2100	U
92-52-4	1,1'-Biphenyl	910	J
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethylphthalate	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
208-96-8	Acenaphthylene	2600	
99-09-2	3-Nitroaniline	4100	U
83-32-9	Acenaphthene	6100	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794711D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	2500	
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
86-73-7	Fluorene	2300	
7005-72-3	4-Chlorophenyl-phenylether	2100	U
100-01-6	4-Nitroaniline	4100	U
534-52-1	4,6-Dinitro-2-methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine(1)	2100	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
1912-24-9	Atrazine	2100	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	2500	
120-12-7	Anthracene	1900	J
86-74-8	Carbazole	2100	U
84-74-2	Di-n-butylphthalate	2100	U
206-44-0	Fluoranthene	28000	
129-00-0	Pyrene	22000	
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)anthracene	12000	
218-01-9	Chrysene	15000	
117-81-7	Bis(2-ethylhexyl)phthalate	5900	
117-84-0	Di-n-octylphthalate	2100	U
205-99-2	Benzo(b)fluoranthene	30000	
207-08-9	Benzo(k)fluoranthene	21000	
50-32-8	Benzo(a)pyrene	20000	
193-39-5	Indeno(1,2,3-cd)pyrene	5100	
53-70-3	Dibenzo(a,h)anthracene	1500	J
191-24-2	Benzo(g,h,i)perylene	5200	
58-90-2	2,3,4,6-Tetrachlorophenol	2100	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794711D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 4.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.32	33000	NJAB
02	26137-53-1	Naphthalene, 1,2,3-trimethyl	12.12	8800	NJ
03		Unknown	13.55	7600	J
04	57-10-3	n-Hexadecanoic acid	13.60	11000	NJ
05	203-64-5	4H-Cyclopenta[def]phenanthre	13.68	11000	NJ
06		Unknown	13.93	10000	J
07		Unknown	14.31	9300	J
08	35575-54-3	D,D-Dihomoandrostane, (5.alp	14.84	10000	NJ
09	3674-73-5	Phenanthrene, 2,3,5-trimethy	14.91	7100	NJ
10		Unknown aliphatic compound	15.16	9500	J
11	238-84-6	11H-Benzo[a]fluorene	15.24	21000	NJ
12	243-17-4	11H-Benzo[b]fluorene	15.32	11000	NJ
13		Unknown polycyclic hydrocarb	15.61	22000	J
14		Unknown	15.79	8500	J
15	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.85	6500	NJ
16	243-46-9	Benzo[b]naphtho[2,3-d]thioph	16.07	18000	NJ
17	27208-37-3	Cyclopenta[cd]pyrene	16.14	19000	NJ
18		Unknown	16.74	13000	J
19		Unknown	16.80	15000	J
20	481-21-0	Cholestane	17.11	7800	NJ
21		Unknown	17.14	17000	J
22	481-21-0	Cholestane	17.24	11000	NJ
23		Unknown cholestane derivativ	17.94	8300	J
24	192-97-2	Benzo[e]pyrene	18.09	8200	NJ
25	198-55-0	Perylene	18.25	6800	NJ
26		Unknown	18.51	13000	J
27	601-58-1	Stigmastane	18.60	16000	NJ
28		Unknown	18.69	8100	J
29	53584-60-4	28-Nor-17.alpha.(H)-hopane	18.97	6800	NJ
30	1000285-40-2	.beta.-iso-Methyl ionone	19.41	6200	NJ
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR3RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794711D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	2100	U
108-95-2	Phenol	2100	U
111-44-4	Bis(2-chloroethyl)ether	2100	U
95-57-8	2-Chlorophenol	2100	U
95-48-7	2-Methylphenol	2100	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2100	U
98-86-2	Acetophenone	2100	U
106-44-5	4-Methylphenol	2100	U
621-64-7	N-Nitroso-di-n-propylamine	2100	U
67-72-1	Hexachloroethane	2100	U
98-95-3	Nitrobenzene	2100	U
78-59-1	Isophorone	2100	U
88-75-5	2-Nitrophenol	2100	U
105-67-9	2,4-Dimethylphenol	2100	U
111-91-1	Bis(2-chloroethoxy)methane	2100	U
120-83-2	2,4-Dichlorophenol	2100	U
91-20-3	Naphthalene	1700	J
106-47-8	4-Chloroaniline	1300	J
87-68-3	Hexachlorobutadiene	2100	U
105-60-2	Caprolactam	2100	U
59-50-7	4-Chloro-3-methylphenol	2100	U
91-57-6	2-Methylnaphthalene	1300	J
77-47-4	Hexachlorocyclopentadiene	2100	U
88-06-2	2,4,6-Trichlorophenol	2100	U
95-95-4	2,4,5-Trichlorophenol	2100	U
92-52-4	1,1'-Biphenyl	830	J
91-58-7	2-Chloronaphthalene	2100	U
88-74-4	2-Nitroaniline	4100	U
131-11-3	Dimethylphthalate	2100	U
606-20-2	2,6-Dinitrotoluene	2100	U
208-96-8	Acenaphthylene	2900	
99-09-2	3-Nitroaniline	4100	U
83-32-9	Acenaphthene	5800	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR3RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794711D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	4100	U
100-02-7	4-Nitrophenol	4100	U
132-64-9	Dibenzofuran	2600	
121-14-2	2,4-Dinitrotoluene	2100	U
84-66-2	Diethylphthalate	2100	U
86-73-7	Fluorene	2200	
7005-72-3	4-Chlorophenyl-phenylether	2100	U
100-01-6	4-Nitroaniline	4100	U
534-52-1	4,6-Dinitro-2-methylphenol	4100	U
86-30-6	N-Nitrosodiphenylamine(1)	2100	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2100	U
101-55-3	4-Bromophenyl-phenylether	2100	U
118-74-1	Hexachlorobenzene	2100	U
1912-24-9	Atrazine	2100	U
87-86-5	Pentachlorophenol	4100	U
85-01-8	Phenanthrene	2500	
120-12-7	Anthracene	1900	J
86-74-8	Carbazole	2100	U
84-74-2	Di-n-butylphthalate	2100	U
206-44-0	Fluoranthene	29000	
129-00-0	Pyrene	25000	
85-68-7	Butylbenzylphthalate	2100	U
91-94-1	3,3'-Dichlorobenzidine	2100	U
56-55-3	Benzo(a)anthracene	12000	
218-01-9	Chrysene	15000	
117-81-7	Bis(2-ethylhexyl)phthalate	6100	
117-84-0	Di-n-octylphthalate	2100	U
205-99-2	Benzo(b)fluoranthene	30000	
207-08-9	Benzo(k)fluoranthene	21000	
50-32-8	Benzo(a)pyrene	20000	
193-39-5	Indeno(1,2,3-cd)pyrene	5700	
53-70-3	Dibenzo(a,h)anthracene	1600	J
191-24-2	Benzo(g,h,i)perylene	6100	
58-90-2	2,3,4,6-Tetrachlorophenol	2100	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR3RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794711D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.20	32000	NJAB
02	26137-53-1	Naphthalene, 1,2,3-trimethyl	12.01	10000	NJ
03		Unknown	13.44	9900	J
04	57-10-3	n-Hexadecanoic acid	13.50	12000	NJ
05	203-64-5	4H-Cyclopenta[def]phenanthre	13.56	9900	NJ
06	41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tet	13.61	6100	NJ
07		Unknown	13.82	11000	J
08	41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetr	13.86	6900	NJ
09	1138-52-9	Phenol, 3,5-bis(1,1-dimethyl	14.19	12000	NJ
10		Unknown	14.47	13000	J
11	2381-21-7	Pyrene, 1-methyl-	14.98	12000	NJ
12		Unknown	15.05	14000	J
13	205-12-9	7H-Benzo[c]fluorene	15.13	21000	NJ
14	243-17-4	11H-Benzo[b]fluorene	15.21	9000	NJ
15	3442-78-2	Pyrene, 2-methyl-	15.26	6800	NJ
16	1000197-08-4	1-Cyclohexene, 1,3,3-trimeth	15.50	26000	NJ
17	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.75	7600	NJ
18	51640-60-9	Carbazole, 1,5-dimethyl-	15.83	15000	NJ
19	243-46-9	Benzo[b]naphtho[2,3-d]thioph	15.96	27000	NJ
20	195-19-7	Benzo[c]phenanthrene	16.01	11000	NJ
21		Unknown	16.03	14000	J
22		Unknown	16.63	14000	J
23		Unknown	16.69	17000	J
24	2541-69-7	Benz[a]anthracene, 7-methyl-	16.83	9600	NJ
25	481-21-0	Cholestane	17.00	13000	NJ
26		Unknown	17.04	19000	J
27	601-58-1	Stigmastane	17.82	13000	NJ
28	192-97-2	Benzo[e]pyrene	17.96	10000	NJ
29	198-55-0	Perylene	18.12	9700	NJ
30	601-58-1	Stigmastane	18.47	12000	NJ
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794712D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	2300	U
108-95-2	Phenol	2300	U
111-44-4	Bis(2-chloroethyl)ether	2300	U
95-57-8	2-Chlorophenol	2300	U
95-48-7	2-Methylphenol	2300	U
108-60-1	2,2'-Oxybis(1-chloropropane)	2300	U
98-86-2	Acetophenone	2300	U
106-44-5	4-Methylphenol	2300	U
621-64-7	N-Nitroso-di-n-propylamine	2300	U
67-72-1	Hexachloroethane	2300	U
98-95-3	Nitrobenzene	2300	U
78-59-1	Isophorone	2300	U
88-75-5	2-Nitrophenol	2300	U
105-67-9	2,4-Dimethylphenol	2300	U
111-91-1	Bis(2-chloroethoxy)methane	2300	U
120-83-2	2,4-Dichlorophenol	2300	U
91-20-3	Naphthalene	2100	J
106-47-8	4-Chloroaniline	1100	J
87-68-3	Hexachlorobutadiene	2300	U
105-60-2	Caprolactam	2300	U
59-50-7	4-Chloro-3-methylphenol	2300	U
91-57-6	2-Methylnaphthalene	1800	J
77-47-4	Hexachlorocyclopentadiene	2300	U
88-06-2	2,4,6-Trichlorophenol	2300	U
95-95-4	2,4,5-Trichlorophenol	2300	U
92-52-4	1,1'-Biphenyl	1200	J
91-58-7	2-Chloronaphthalene	2300	U
88-74-4	2-Nitroaniline	4400	U
131-11-3	Dimethylphthalate	2300	U
606-20-2	2,6-Dinitrotoluene	2300	U
208-96-8	Acenaphthylene	3300	
99-09-2	3-Nitroaniline	4400	U
83-32-9	Acenaphthene	7100	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794712D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	4400	U
100-02-7	4-Nitrophenol	4400	U
132-64-9	Dibenzofuran	3200	
121-14-2	2,4-Dinitrotoluene	2300	U
84-66-2	Diethylphthalate	2300	U
86-73-7	Fluorene	2300	
7005-72-3	4-Chlorophenyl-phenylether	2300	U
100-01-6	4-Nitroaniline	4400	U
534-52-1	4,6-Dinitro-2-methylphenol	4400	U
86-30-6	N-Nitrosodiphenylamine(1)	2300	U
95-94-3	1,2,4,5-Tetrachlorobenzene	2300	U
101-55-3	4-Bromophenyl-phenylether	2300	U
118-74-1	Hexachlorobenzene	2300	U
1912-24-9	Atrazine	2300	U
87-86-5	Pentachlorophenol	4400	U
85-01-8	Phenanthrene	3000	
120-12-7	Anthracene	2300	
86-74-8	Carbazole	2300	U
84-74-2	Di-n-butylphthalate	2300	U
206-44-0	Fluoranthene	28000	
129-00-0	Pyrene	23000	
85-68-7	Butylbenzylphthalate	2300	U
91-94-1	3,3'-Dichlorobenzidine	2300	U
56-55-3	Benzo(a)anthracene	12000	
218-01-9	Chrysene	16000	
117-81-7	Bis(2-ethylhexyl)phthalate	5500	
117-84-0	Di-n-octylphthalate	2300	U
205-99-2	Benzo(b)fluoranthene	40000	E
207-08-9	Benzo(k)fluoranthene	21000	
50-32-8	Benzo(a)pyrene	23000	
193-39-5	Indeno(1,2,3-cd)pyrene	7000	
53-70-3	Dibenzo(a,h)anthracene	2000	J
191-24-2	Benzo(g,h,i)perylene	7300	
58-90-2	2,3,4,6-Tetrachlorophenol	2300	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794712D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 4.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.32	37000	NJAB
02		Unknown	12.13	8500	J
03		Unknown	13.05	9400	J
04	37680-65-2	1,1'-Biphenyl, 2,2',5-trichl	13.22	6600	NJ
05		Unknown	13.55	8400	J
06	203-64-5	4H-Cyclopenta[def]phenanthre	13.68	12000	NJ
07	32598-12-2	1,1'-Biphenyl, 2,4,4',6-tetr	13.73	8300	NJ
08		Unknown	13.92	10000	J
09		Unknown	14.30	12000	J
10	74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pe	14.68	7800	NJ
11	31508-00-6	1,1'-Biphenyl, 2,3',4,4',5-p	15.08	13000	NJ
12	243-17-4	11H-Benzo[b]fluorene	15.25	26000	NJ
13	243-17-4	11H-Benzo[b]fluorene	15.34	10000	NJ
14	3353-12-6	Pyrene, 4-methyl-	15.52	10000	NJ
15	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.62	21000	NJ
16	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.85	9300	NJ
17	239-35-0	Benzo[b]naphtho[2,1-d]thioph	16.08	21000	NJ
18	27208-37-3	Cyclopenta[cd]pyrene	16.15	18000	NJ
19		Unknown polyterpene derivati	16.75	19000	J
20	481-21-0	Cholestane	17.12	10000	NJ
21		Unknown polyterpene derivati	17.84	27000	J
22	601-58-1	Stigmastane	17.94	11000	NJ
23	192-97-2	Benzo[e]pyrene	18.15	12000	NJ
24	198-55-0	Perylene	18.26	22000	NJ
25		Unknown	18.50	11000	J
26	601-58-1	Stigmastane	18.61	17000	NJ
27	36728-72-0	28-Nor-17.beta.(H)-hopane	18.97	8300	NJ
28		Unknown polyterpene derivati	19.01	14000	J
29	1000285-40-2	.beta.-iso-Methyl ionone	19.42	9200	NJ
30		Unknown polycyclic hydrocarb	19.99	5800	J
	E966796(2)	Total Alkanes	N/A		

(2) EPA-designated Registry Number.

ACA 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR4DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712D1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794712D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	3800	U
108-95-2	Phenol	3800	U
111-44-4	Bis(2-chloroethyl)ether	3800	U
95-57-8	2-Chlorophenol	3800	U
95-48-7	2-Methylphenol	3800	U
108-60-1	2,2'-Oxybis(1-chloropropane)	3800	U
98-86-2	Acetophenone	3800	U
106-44-5	4-Methylphenol	3800	U
621-64-7	N-Nitroso-di-n-propylamine	3800	U
67-72-1	Hexachloroethane	3800	U
98-95-3	Nitrobenzene	3800	U
78-59-1	Isophorone	3800	U
88-75-5	2-Nitrophenol	3800	U
105-67-9	2,4-Dimethylphenol	3800	U
111-91-1	Bis(2-chloroethoxy)methane	3800	U
120-83-2	2,4-Dichlorophenol	3800	U
91-20-3	Naphthalene	2200	DJ
106-47-8	4-Chloroaniline	1300	DJ
87-68-3	Hexachlorobutadiene	3800	U
105-60-2	Caprolactam	3800	U
59-50-7	4-Chloro-3-methylphenol	3800	U
91-57-6	2-Methylnaphthalene	1700	DJ
77-47-4	Hexachlorocyclopentadiene	3800	U
88-06-2	2,4,6-Trichlorophenol	3800	U
95-95-4	2,4,5-Trichlorophenol	3800	U
92-52-4	1,1'-Biphenyl	1100	DJ
91-58-7	2-Chloronaphthalene	3800	U
88-74-4	2-Nitroaniline	7300	U
131-11-3	Dimethylphthalate	3800	U
606-20-2	2,6-Dinitrotoluene	3800	U
208-96-8	Acenaphthylene	3400	DJ
99-09-2	3-Nitroaniline	7300	U
83-32-9	Acenaphthene	6800	D

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR4DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712D1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794712D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 6.7

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	7300	U
100-02-7	4-Nitrophenol	7300	U
132-64-9	Dibenzofuran	3200	DJ
121-14-2	2,4-Dinitrotoluene	3800	U
84-66-2	Diethylphthalate	3800	U
86-73-7	Fluorene	2400	DJ
7005-72-3	4-Chlorophenyl-phenylether	3800	U
100-01-6	4-Nitroaniline	7300	U
534-52-1	4,6-Dinitro-2-methylphenol	7300	U
86-30-6	N-Nitrosodiphenylamine(1)	3800	U
95-94-3	1,2,4,5-Tetrachlorobenzene	3800	U
101-55-3	4-Bromophenyl-phenylether	3800	U
118-74-1	Hexachlorobenzene	3800	U
1912-24-9	Atrazine	3800	U
87-86-5	Pentachlorophenol	7300	U
85-01-8	Phenanthrene	3100	DJ
120-12-7	Anthracene	2200	DJ
86-74-8	Carbazole	3800	U
84-74-2	Di-n-butylphthalate	3800	U
206-44-0	Fluoranthene	29000	D
129-00-0	Pyrene	23000	D
85-68-7	Butylbenzylphthalate	3800	U
91-94-1	3,3'-Dichlorobenzidine	3800	U
56-55-3	Benzo(a)anthracene	12000	D
218-01-9	Chrysene	16000	D
117-81-7	Bis(2-ethylhexyl)phthalate	5700	D
117-84-0	Di-n-octylphthalate	3800	U
205-99-2	Benzo(b)fluoranthene	38000	D
207-08-9	Benzo(k)fluoranthene	18000	D
50-32-8	Benzo(a)pyrene	23000	D
193-39-5	Indeno(1,2,3-cd)pyrene	5000	D
53-70-3	Dibenzo(a,h)anthracene	1400	DJ
191-24-2	Benzo(g,h,i)perylene	5200	D
58-90-2	2,3,4,6-Tetrachlorophenol	3800	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR4DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712D1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794712D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 6.7

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.19	37000	NJABD
02	3075-84-1	1,1'-Biphenyl, 2,2',5,5'-tet	12.01	8000	NJD
03	41464-46-4	1,1'-Biphenyl, 2,3',4',6-tet	13.35	6800	NJD
04		Unknown	13.44	9500	JD
05	203-64-5	4H-Cyclopenta[def]phenanthre	13.56	12000	NJD
06	41464-40-8	1,1'-Biphenyl, 2,2',4,5'-tet	13.61	8000	NJD
07		Unknown	13.81	12000	JD
08	41464-41-9	1,1'-Biphenyl, 2,2',5,6-Tetr	13.85	10000	NJD
09		Unknown	13.97	10000	JD
10		Unknown	14.19	13000	JD
11	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.46	13000	NJD
12	641-85-0	Allopregnane	14.72	5500	NJD
13	18259-05-7	1,1'-Biphenyl, 2,3,4,5,6-pen	14.97	9000	NJD
14	243-17-4	11H-Benzo[b]fluorene	15.12	14000	NJD
15	238-84-6	11H-Benzo[a]fluorene	15.20	7700	NJD
16		Unknown polycyclic hydrocarb	15.49	8400	JD
17	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.74	4600	NJD
18	239-35-0	Benzo[b]naphtho[2,1-d]thioph	15.95	10000	NJD
19		Unknown	16.02	11000	JD
20		Unknown	16.62	8200	JD
21		Unknown	16.68	9100	JD
22	481-21-0	Cholestane	16.99	6000	NJD
23		Unknown polyterpene derivati	17.50	13000	JD
24	601-58-1	Stigmastane	17.81	16000	NJD
25	192-97-2	Benzo[e]pyrene	17.96	12000	NJD
26	198-55-0	Perylene	18.12	13000	NJD
27		Unknown polycyclic hydrocarb	18.22	8200	JD
28	601-58-1	Stigmastane	18.46	23000	NJD
29		Unknown	18.55	11000	JD
30		Unknown polyterpene derivati	19.24	8800	JD
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794713

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794713

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	240	U
108-95-2	Phenol	240	U
111-44-4	Bis(2-chloroethyl)ether	240	U
95-57-8	2-Chlorophenol	240	U
95-48-7	2-Methylphenol	240	U
108-60-1	2,2'-Oxybis(1-chloropropane)	240	U
98-86-2	Acetophenone	240	U
106-44-5	4-Methylphenol	240	U
621-64-7	N-Nitroso-di-n-propylamine	240	U
67-72-1	Hexachloroethane	240	U
98-95-3	Nitrobenzene	240	U
78-59-1	Isophorone	240	U
88-75-5	2-Nitrophenol	240	U
105-67-9	2,4-Dimethylphenol	240	U
111-91-1	Bis(2-chloroethoxy)methane	240	U
120-83-2	2,4-Dichlorophenol	240	U
91-20-3	Naphthalene	240	U
106-47-8	4-Chloroaniline	240	U
87-68-3	Hexachlorobutadiene	240	U
105-60-2	Caprolactam	240	U
59-50-7	4-Chloro-3-methylphenol	240	U
91-57-6	2-Methylnaphthalene	240	U
77-47-4	Hexachlorocyclopentadiene	240	U
88-06-2	2,4,6-Trichlorophenol	240	U
95-95-4	2,4,5-Trichlorophenol	240	U
92-52-4	1,1'-Biphenyl	240	U
91-58-7	2-Chloronaphthalene	240	U
88-74-4	2-Nitroaniline	460	U
131-11-3	Dimethylphthalate	240	U
606-20-2	2,6-Dinitrotoluene	240	U
208-96-8	Acenaphthylene	240	U
99-09-2	3-Nitroaniline	460	U
83-32-9	Acenaphthene	240	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794713

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794713

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	460	U
100-02-7	4-Nitrophenol	460	U
132-64-9	Dibenzofuran	240	U
121-14-2	2,4-Dinitrotoluene	240	U
84-66-2	Diethylphthalate	240	U
86-73-7	Fluorene	240	U
7005-72-3	4-Chlorophenyl-phenylether	240	U
100-01-6	4-Nitroaniline	460	U
534-52-1	4,6-Dinitro-2-methylphenol	460	U
86-30-6	N-Nitrosodiphenylamine(1)	240	U
95-94-3	1,2,4,5-Tetrachlorobenzene	240	U
101-55-3	4-Bromophenyl-phenylether	240	U
118-74-1	Hexachlorobenzene	240	U
1912-24-9	Atrazine	240	U
87-86-5	Pentachlorophenol	460	U
85-01-8	Phenanthrene	77	J
120-12-7	Anthracene	31	J
86-74-8	Carbazole	240	U
84-74-2	Di-n-butylphthalate	240	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	120	J
85-68-7	Butylbenzylphthalate	34	J
91-94-1	3,3'-Dichlorobenzidine	240	U
56-55-3	Benzo(a)anthracene	110	J
218-01-9	Chrysene	140	J
117-81-7	Bis(2-ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	240	U
205-99-2	Benzo(b)fluoranthene	170	J
207-08-9	Benzo(k)fluoranthene	94	J
50-32-8	Benzo(a)pyrene	120	J
193-39-5	Indeno(1,2,3-cd)pyrene	41	J
53-70-3	Dibenzo(a,h)anthracene	240	U
191-24-2	Benzo(g,h,i)perylene	43	J
58-90-2	2,3,4,6-Tetrachlorophenol	240	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794713

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794713

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 7.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

ACA 6-24-09

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	141-79-7	3-Penten-2-one, 4-methyl-	3.65	120	NJAB
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.30	12000	NJAB
03		Unknown	9.27	210	JB
04	103-23-1	Hexanedioic acid, bis(2-ethy	15.71	170	NJ
05	112-88-9	1-Octadecene	16.12	310	NJ
06	7683-64-9	Squalene	17.52	130	NJ
07		Unknown polyterpene derivati	18.50	96	J
08	53584-60-4	28-Nor-17.alpha.(H)-hopane	18.85	130	NJ
09	747-90-0	Cholesta-3,5-diene	19.06	200	NJ
10		Unknown polyterpene derivati	19.29	290	J
11		Unknown polyterpene derivati	19.83	340	J
12	83-46-5	.beta.-Sitosterol	20.23	150	NJ
13		Unknown polyterpene derivati	20.35	180	J
14		Unknown	20.60	130	J
15		Unknown polyterpene derivati	21.21	160	J
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(2)	Total Alkanes	N/A	1600	J

(2)EPA-designated Registry Number.

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 794714D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 2.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	860	U
108-95-2	Phenol	860	U
111-44-4	Bis(2-chloroethyl)ether	860	U
95-57-8	2-Chlorophenol	860	U
95-48-7	2-Methylphenol	860	U
108-60-1	2,2'-Oxybis(1-chloropropane)	860	U
98-86-2	Acetophenone	860	U
106-44-5	4-Methylphenol	110	J
621-64-7	N-Nitroso-di-n-propylamine	860	U
67-72-1	Hexachloroethane	860	U
98-95-3	Nitrobenzene	860	U
78-59-1	Isophorone	860	U
88-75-5	2-Nitrophenol	860	U
105-67-9	2,4-Dimethylphenol	860	U
111-91-1	Bis(2-chloroethoxy)methane	860	U
120-83-2	2,4-Dichlorophenol	860	U
91-20-3	Naphthalene	380	J
106-47-8	4-Chloroaniline	980	
87-68-3	Hexachlorobutadiene	860	U
105-60-2	Caprolactam	860	U
59-50-7	4-Chloro-3-methylphenol	860	U
91-57-6	2-Methylnaphthalene	330	J
77-47-4	Hexachlorocyclopentadiene	860	U
88-06-2	2,4,6-Trichlorophenol	860	U
95-95-4	2,4,5-Trichlorophenol	860	U
92-52-4	1,1'-Biphenyl	210	J
91-58-7	2-Chloronaphthalene	860	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	860	U
606-20-2	2,6-Dinitrotoluene	860	U
208-96-8	Acenaphthylene	950	
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	1800	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 794714D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 2.5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	850	J
121-14-2	2,4-Dinitrotoluene	860	U
84-66-2	Diethylphthalate	860	U
86-73-7	Fluorene	1400	
7005-72-3	4-Chlorophenyl-phenylether	860	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine(1)	860	U
95-94-3	1,2,4,5-Tetrachlorobenzene	860	U
101-55-3	4-Bromophenyl-phenylether	860	U
118-74-1	Hexachlorobenzene	860	U
1912-24-9	Atrazine	860	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	900	
120-12-7	Anthracene	720	J
86-74-8	Carbazole	860	U
84-74-2	Di-n-butylphthalate	860	U
206-44-0	Fluoranthene	8000	
129-00-0	Pyrene	21000	E
85-68-7	Butylbenzylphthalate	860	U
91-94-1	3,3'-Dichlorobenzidine	860	U
56-55-3	Benzo(a)anthracene	3300	
218-01-9	Chrysene	4700	
117-81-7	Bis(2-ethylhexyl)phthalate	1000	
117-84-0	Di-n-octylphthalate	860	U
205-99-2	Benzo(b)fluoranthene	7400	
207-08-9	Benzo(k)fluoranthene	4200	
50-32-8	Benzo(a)pyrene	4800	
193-39-5	Indeno(1,2,3-cd)pyrene	3100	
53-70-3	Dibenzo(a,h)anthracene	790	J
191-24-2	Benzo(g,h,i)perylene	3500	
58-90-2	2,3,4,6-Tetrachlorophenol	860	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 794714D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 2.5

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	107-92-6	Butanoic acid	3.66	4900	NJ
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.33	15000	NJAB
03		Unknown aliphatic compound	12.13	4100	J
04		Unknown	13.23	4800	J
05		Unknown aliphatic compound	13.27	5100	J
06	55702-46-0	1,1'-Biphenyl, 2,3,4-trichlo	13.35	4300	NJ
07		Unknown	13.49	4600	J
08		Unknown	13.57	7700	J
09	59130-69-7	Hexanoic acid, 2-ethyl-, hex	13.64	3500	NJ
10	203-64-5	4H-Cyclopenta[def]phenanthre	13.69	6800	NJ
11	33025-41-1	1,1'-Biphenyl, 2,3,4,4'-tetr	13.74	3500	NJ
12		Unknown	13.87	7000	J
13	1000293-16-6	18-Norabietane	13.95	10000	NJ
14		Unknown	14.33	6300	J
15	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.61	9900	NJ
16	3674-73-5	Phenanthrene, 2,3,5-trimethy	14.93	5300	NJ
17		Unknown	14.98	3800	J
18		Unknown polyterpene derivati	15.27	15000	J
19		Unknown polyterpene derivati	15.64	24000	J
20		Unknown	15.81	16000	J
21	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.88	16000	NJ
22		Unknown polyterpene derivati	16.18	16000	J
23		Unknown	16.82	13000	J
24		Unknown polyterpene derivati	17.16	11000	J
25		Unknown cholestane derivativ	17.84	12000	J
26	601-58-1	Stigmastane	17.94	9600	NJ
27		Unknown cholestane derivativ	18.52	9600	J
28		Unknown cholestane derivativ	18.62	17000	J
29	1000285-40-2	.beta.-iso-Methyl ionone	18.98	13000	NJ
30		Unknown polyterpene derivati	19.43	21000	J
	E966796(2)	Total Alkanes	N/A	14000	J

(2)EPA-designated Registry Number.

ACA 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR6DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714D1

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 794714D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	1700	U
108-95-2	Phenol	1700	U
111-44-4	Bis(2-chloroethyl)ether	1700	U
95-57-8	2-Chlorophenol	1700	U
95-48-7	2-Methylphenol	1700	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1700	U
98-86-2	Acetophenone	1700	U
106-44-5	4-Methylphenol	1700	U
621-64-7	N-Nitroso-di-n-propylamine	1700	U
67-72-1	Hexachloroethane	1700	U
98-95-3	Nitrobenzene	1700	U
78-59-1	Isophorone	1700	U
88-75-5	2-Nitrophenol	1700	U
105-67-9	2,4-Dimethylphenol	1700	U
111-91-1	Bis(2-chloroethoxy)methane	1700	U
120-83-2	2,4-Dichlorophenol	1700	U
91-20-3	Naphthalene	400	DJ
106-47-8	4-Chloroaniline	1100	DJ
87-68-3	Hexachlorobutadiene	1700	U
105-60-2	Caprolactam	1700	U
59-50-7	4-Chloro-3-methylphenol	1700	U
91-57-6	2-Methylnaphthalene	350	DJ
77-47-4	Hexachlorocyclopentadiene	1700	U
88-06-2	2,4,6-Trichlorophenol	1700	U
95-95-4	2,4,5-Trichlorophenol	1700	U
92-52-4	1,1'-Biphenyl	200	DJ
91-58-7	2-Chloronaphthalene	1700	U
88-74-4	2-Nitroaniline	3300	U
131-11-3	Dimethylphthalate	1700	U
606-20-2	2,6-Dinitrotoluene	1700	U
208-96-8	Acenaphthylene	940	DJ
99-09-2	3-Nitroaniline	3300	U
83-32-9	Acenaphthene	1800	D

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR6DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714D1

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 794714D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	3300	U
100-02-7	4-Nitrophenol	3300	U
132-64-9	Dibenzofuran	830	DJ
121-14-2	2,4-Dinitrotoluene	1700	U
84-66-2	Diethylphthalate	1700	U
86-73-7	Fluorene	1300	DJ
7005-72-3	4-Chlorophenyl-phenylether	1700	U
100-01-6	4-Nitroaniline	3300	U
534-52-1	4,6-Dinitro-2-methylphenol	3300	U
86-30-6	N-Nitrosodiphenylamine(1)	1700	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1700	U
101-55-3	4-Bromophenyl-phenylether	1700	U
118-74-1	Hexachlorobenzene	1700	U
1912-24-9	Atrazine	1700	U
87-86-5	Pentachlorophenol	3300	U
85-01-8	Phenanthrene	890	DJ
120-12-7	Anthracene	770	DJ
86-74-8	Carbazole	1700	U
84-74-2	Di-n-butylphthalate	1700	U
206-44-0	Fluoranthene	8900	D
129-00-0	Pyrene	16000	D
85-68-7	Butylbenzylphthalate	1700	U
91-94-1	3,3'-Dichlorobenzidine	1700	U
56-55-3	Benzo(a)anthracene	3500	D
218-01-9	Chrysene	4700	D
117-81-7	Bis(2-ethylhexyl)phthalate	1600	DJ
117-84-0	Di-n-octylphthalate	1700	U
205-99-2	Benzo(b)fluoranthene	9200	D
207-08-9	Benzo(k)fluoranthene	5200	D
50-32-8	Benzo(a)pyrene	5000	D
193-39-5	Indeno(1,2,3-cd)pyrene	2900	D
53-70-3	Dibenzo(a,h)anthracene	680	DJ
191-24-2	Benzo(g,h,i)perylene	3200	D
58-90-2	2,3,4,6-Tetrachlorophenol	1700	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR6DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714D1

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 794714D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.3 Dilution Factor: 5.0

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	107-92-6	Butanoic acid	3.57	8700	NJD
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.20	15000	NJABD
03		Unknown	13.44	7700	JD
04	1000311-42-7	9-Hydroxy-3,4-dihydro-2H-1,4	13.53	4400	NJD
05		Unknown	13.74	7200	JD
06	1000293-16-6	18-Norabietane	13.82	12000	NJD
07		Unknown	13.98	6400	JD
08	3674-74-6	Phenanthrene, 2-ethyl-	14.19	7000	NJD
09	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.48	12000	NJD
10	74630-83-4	1-Propene-2-thiol, 1,1-diphe	14.56	7700	NJD
11	3674-73-5	Phenanthrene, 2,3,5-trimethy	14.81	5400	NJD
12		Unknown	14.85	5500	JD
13	481-26-5	Pregnane	15.14	15000	NJD
14		Unknown polycyclic hydrocarb	15.51	27000	JD
15		Unknown	15.69	20000	JD
16	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.75	17000	NJD
17		Unknown	15.83	14000	JD
18		Unknown	15.97	39000	JD
19		Unknown	16.02	15000	JD
20		Unknown	16.04	28000	JD
21		Unknown	16.39	16000	JD
22		Unknown polycyclic hydrocarb	16.71	21000	JD
23		Unknown polycyclic hydrocarb	17.05	20000	JD
24		Unknown	17.52	13000	JD
25		Unknown	17.73	15000	JD
26	601-58-1	Stigmastane	17.82	16000	NJD
27		Unknown polycyclic hydrocarb	18.23	15000	JD
28	601-58-1	Stigmastane	18.47	26000	NJD
29	36728-72-0	28-Nor-17.beta.(H)-hopane	18.82	20000	NJD
30		Unknown polyterpene derivati	19.26	16000	JD
	E966796(2)	Total Alkanes	N/A	49000	J

(2)EPA-designated Registry Number.

ACA 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794715

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794715

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	220	U
108-95-2	Phenol	220	U
111-44-4	Bis(2-chloroethyl)ether	220	U
95-57-8	2-Chlorophenol	220	U
95-48-7	2-Methylphenol	220	U
108-60-1	2,2'-Oxybis(1-chloropropane)	220	U
98-86-2	Acetophenone	220	U
106-44-5	4-Methylphenol	220	U
621-64-7	N-Nitroso-di-n-propylamine	220	U
67-72-1	Hexachloroethane	220	U
98-95-3	Nitrobenzene	220	U
78-59-1	Isophorone	220	U
88-75-5	2-Nitrophenol	220	U
105-67-9	2,4-Dimethylphenol	220	U
111-91-1	Bis(2-chloroethoxy)methane	220	U
120-83-2	2,4-Dichlorophenol	220	U
91-20-3	Naphthalene	220	U
106-47-8	4-Chloroaniline	220	U
87-68-3	Hexachlorobutadiene	220	U
105-60-2	Caprolactam	220	U
59-50-7	4-Chloro-3-methylphenol	220	U
91-57-6	2-Methylnaphthalene	26	J
77-47-4	Hexachlorocyclopentadiene	220	U
88-06-2	2,4,6-Trichlorophenol	220	U
95-95-4	2,4,5-Trichlorophenol	220	U
92-52-4	1,1'-Biphenyl	220	U
91-58-7	2-Chloronaphthalene	220	U
88-74-4	2-Nitroaniline	420	U
131-11-3	Dimethylphthalate	220	U
606-20-2	2,6-Dinitrotoluene	220	U
208-96-8	Acenaphthylene	40	J
99-09-2	3-Nitroaniline	420	U
83-32-9	Acenaphthene	28	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794715

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794715

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	420	U
100-02-7	4-Nitrophenol	420	U
132-64-9	Dibenzofuran	220	U
121-14-2	2,4-Dinitrotoluene	220	U
84-66-2	Diethylphthalate	220	U
86-73-7	Fluorene	32	J
7005-72-3	4-Chlorophenyl-phenylether	220	U
100-01-6	4-Nitroaniline	420	U
534-52-1	4,6-Dinitro-2-methylphenol	420	U
86-30-6	N-Nitrosodiphenylamine(1)	220	U
95-94-3	1,2,4,5-Tetrachlorobenzene	220	U
101-55-3	4-Bromophenyl-phenylether	220	U
118-74-1	Hexachlorobenzene	220	U
1912-24-9	Atrazine	220	U
87-86-5	Pentachlorophenol	420	U
85-01-8	Phenanthrene	970	
120-12-7	Anthracene	280	
86-74-8	Carbazole	72	J
84-74-2	Di-n-butylphthalate	45	J
206-44-0	Fluoranthene	2900	
129-00-0	Pyrene	1600	
85-68-7	Butylbenzylphthalate	82	J
91-94-1	3,3'-Dichlorobenzidine	220	U
56-55-3	Benzo(a)anthracene	1500	
218-01-9	Chrysene	1500	
117-81-7	Bis(2-ethylhexyl)phthalate	150	J
117-84-0	Di-n-octylphthalate	220	U
205-99-2	Benzo(b)fluoranthene	1900	
207-08-9	Benzo(k)fluoranthene	1300	
50-32-8	Benzo(a)pyrene	1500	
193-39-5	Indeno(1,2,3-cd)pyrene	300	
53-70-3	Dibenzo(a,h)anthracene	110	J
191-24-2	Benzo(g,h,i)perylene	240	
58-90-2	2,3,4,6-Tetrachlorophenol	220	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794715

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 794715

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 8.1 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.28	12000	NJAB
02	203-64-5	4H-Cyclopenta[def]phenanthre	13.60	350	NJ
03	612-94-2	Naphthalene, 2-phenyl-	13.84	200	NJ
04	33543-31-6	Fluoranthene, 2-methyl-	15.00	290	NJ
05	238-84-6	11H-Benzo[a]fluorene	15.15	370	NJ
06	3353-12-6	Pyrene, 4-methyl-	15.29	200	NJ
07	479-79-8	11H-Benzo[a]fluoren-11-one	15.83	490	NJ
08	239-35-0	Benzo[b]naphtho[2,1-d]thioph	15.98	350	NJ
09	195-19-7	Benzo[c]phenanthrene	16.02	320	NJ
10	203-12-3	Benzo[ghi]fluoranthene	16.04	440	NJ
11	479-79-8	11H-Benzo[a]fluoren-11-one	16.10	340	NJ
12	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	16.46	300	NJ
13	239-01-0	11H-Benzo[a]carbazole	16.54	540	NJ
14		Unknown	16.60	330	J
15	1705-84-6	Triphenylene, 2-methyl-	16.84	330	NJ
16	1705-84-6	Triphenylene, 2-methyl-	16.89	220	NJ
17	2541-69-7	Benz[a]anthracene, 7-methyl-	17.02	250	NJ
18	612-78-2	2,2'-Binaphthalene	17.03	220	NJ
19		Unknown PAH	17.48	210	J
20	75581-03-2	2,6,10,14,18-Pentamethyl-2,6	17.53	280	NJ
21	205-82-3	Benzo[j]fluoranthene	17.78	570	NJ
22	192-97-2	Benzo[e]pyrene	17.99	1000	NJ
23	198-55-0	Perylene	18.16	540	NJ
24	36441-74-4	Baccharane	18.26	370	NJ
25	601-58-1	Stigmastane	18.50	290	NJ
26		Unknown	18.70	270	J
27	36728-72-0	28-Nor-17.beta.(H)-hopane	18.85	360	NJ
28		Unknown polyterpene derivati	18.89	290	J
29		Unknown polyterpene derivati	19.30	410	J
30	193-43-1	Indeno[1,2,3-cd]fluoranthene	20.23	240	NJ
	E966796(2)	Total Alkanes	N/A	3500	J

(2)EPA-designated Registry Number.

ACR 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794716

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	200	U
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	200	U
108-60-1	2,2'-Oxybis(1-chloropropane)	200	U
98-86-2	Acetophenone	200	U
106-44-5	4-Methylphenol	39	J
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	200	U
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	39	J
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
105-60-2	Caprolactam	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	71	J
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
92-52-4	1,1'-Biphenyl	200	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	390	U
131-11-3	Dimethylphthalate	200	U
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	89	J
99-09-2	3-Nitroaniline	390	U
83-32-9	Acenaphthene	75	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794716

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	390	U
100-02-7	4-Nitrophenol	390	U
132-64-9	Dibenzofuran	53	J
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
86-73-7	Fluorene	120	J
7005-72-3	4-Chlorophenyl-phenylether	200	U
100-01-6	4-Nitroaniline	390	U
534-52-1	4,6-Dinitro-2-methylphenol	390	U
86-30-6	N-Nitrosodiphenylamine(1)	200	U
95-94-3	1,2,4,5-Tetrachlorobenzene	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
1912-24-9	Atrazine	200	U
87-86-5	Pentachlorophenol	390	U
85-01-8	Phenanthrene	2000	
120-12-7	Anthracene	520	
86-74-8	Carbazole	110	J
84-74-2	Di-n-butylphthalate	210	
206-44-0	Fluoranthene	4300	E
129-00-0	Pyrene	2600	
85-68-7	Butylbenzylphthalate	190	J
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	2200	
218-01-9	Chrysene	2300	
117-81-7	Bis(2-ethylhexyl)phthalate	160	J
117-84-0	Di-n-octylphthalate	200	U
205-99-2	Benzo(b)fluoranthene	3800	E
207-08-9	Benzo(k)fluoranthene	2400	
50-32-8	Benzo(a)pyrene	2300	
193-39-5	Indeno(1,2,3-cd)pyrene	520	
53-70-3	Dibenzo(a,h)anthracene	160	J
191-24-2	Benzo(g,h,i)perylene	520	
58-90-2	2,3,4,6-Tetrachlorophenol	200	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794716

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/21/2009

GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.35	12000	NJABU
02		Unknown	12.37	300	J
03	613-12-7	Anthracene, 2-methyl-	13.55	400	NJ
04	3674-66-6	Phenanthrene, 2,5-dimethyl-	14.28	340	NJ
05		Unknown PAH	14.67	110	J
06	2381-21-7	Pyrene, 1-methyl-	15.09	93	NJ
07	243-17-4	11H-Benzo[b]fluorene	15.22	150	NJ
08	243-17-4	11H-Benzo[b]fluorene	15.30	160	NJ
09	82-05-3	7H-Benz[de]anthracen-7-one	15.91	120	NJ
10	239-35-0	Benzo[b]naphtho[2,1-d]thioph	16.05	160	NJ
11	243-51-6	11H-Indeno(1,2-b)quinoline	16.63	100	NJ
12		Unknown	16.69	96	J
13		Unknown	16.78	110	J
14	2541-69-7	Benz[a]anthracene, 7-methyl-	16.92	67	NJ
15	3351-32-4	Chrysene, 2-methyl-	16.97	68	NJ
16		Unknown	17.09	90	J
17		Unknown PAH	17.55	1100	J
18	192-97-2	Benzo[e]pyrene	17.86	640	NJ
19	601-58-1	Stigmastane	17.93	580	NJ
20	192-97-2	Benzo[e]pyrene	18.08	1400	NJ
21	198-55-0	Perylene	18.24	800	NJ
22	601-58-1	Stigmastane	18.60	1100	NJ
23	36728-72-0	28-Nor-17.beta.(H)-hopane	18.96	750	NJ
24		Unknown	19.00	800	J
25		Unknown polyterpene derivati	19.41	850	J
26		Unknown polycyclic hydrocarb	19.99	540	J
27		Unknown polyterpene derivati	20.47	170	J
28					
29					
30					
	E966796(2)	Total Alkanes	N/A	7300	J

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR8DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716D1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794716D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	410	U
108-95-2	Phenol	410	U
111-44-4	Bis(2-chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	2,2'-Oxybis(1-chloropropane)	410	U
98-86-2	Acetophenone	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	Bis(2-chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
105-60-2	Caprolactam	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	65	DJ
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
92-52-4	1,1'-Biphenyl	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	790	U
131-11-3	Dimethylphthalate	410	U
606-20-2	2,6-Dinitrotoluene	410	U
208-96-8	Acenaphthylene	110	DJ
99-09-2	3-Nitroaniline	790	U
83-32-9	Acenaphthene	67	DJ

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR8DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716D1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794716D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 2.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	790	U
100-02-7	4-Nitrophenol	790	U
132-64-9	Dibenzofuran	52	DJ
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethylphthalate	410	U
86-73-7	Fluorene	110	DJ
7005-72-3	4-Chlorophenyl-phenylether	410	U
100-01-6	4-Nitroaniline	790	U
534-52-1	4,6-Dinitro-2-methylphenol	790	U
86-30-6	N-Nitrosodiphenylamine(1)	410	U
95-94-3	1,2,4,5-Tetrachlorobenzene	410	U
101-55-3	4-Bromophenyl-phenylether	410	U
118-74-1	Hexachlorobenzene	410	U
1912-24-9	Atrazine	410	U
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	1800	D
120-12-7	Anthracene	480	D
86-74-8	Carbazole	110	DJ
84-74-2	Di-n-butylphthalate	200	DJ
206-44-0	Fluoranthene	4400	D
129-00-0	Pyrene	2500	D
85-68-7	Butylbenzylphthalate	200	DJ
91-94-1	3,3'-Dichlorobenzidine	410	U
56-55-3	Benzo(a)anthracene	2000	D
218-01-9	Chrysene	2100	D
117-81-7	Bis(2-ethylhexyl)phthalate	160	DJ
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	3400	D
207-08-9	Benzo(k)fluoranthene	1800	D
50-32-8	Benzo(a)pyrene	2100	D
193-39-5	Indeno(1,2,3-cd)pyrene	520	D
53-70-3	Dibenzo(a,h)anthracene	150	DJ
191-24-2	Benzo(g,h,i)perylene	470	D
58-90-2	2,3,4,6-Tetrachlorophenol	410	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR8DL

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716D1

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 794716D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 8.9 Dilution Factor: 2.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.22	11000	NJABD
02	610-48-0	Anthracene, 1-methyl-	13.40	550	NJD
03	949-41-7	1H-Cyclopropa[l]phenanthrene	13.43	480	NJD
04	203-64-5	4H-Cyclopenta[def]phenanthre	13.55	640	NJD
05	84-78-6	1,2-Benzenedicarboxylic acid	13.57	560	NJD
06	2381-21-7	Pyrene, 1-methyl-	14.96	570	NJD
07	243-17-4	11H-Benzo[b]fluorene	15.11	890	NJD
08	479-79-8	11H-Benzo[a]fluoren-11-one	15.79	1500	NJD
09	239-35-0	Benzo[b]naphtho[2,1-d]thioph	15.94	1600	NJD
10	195-19-7	Benzo[c]phenanthrene	15.98	2200	NJD
11	479-79-8	11H-Benzo[a]fluoren-11-one	16.06	920	NJD
12	25732-74-5	Cyclopenta(cd)pyrene, 3,4-di	16.42	860	NJD
13	239-01-0	11H-Benzo[a]carbazole	16.51	950	NJD
14	1606-67-3	3-Aminopyrene	16.57	1300	NJD
15		Unknown aliphatic compound	16.66	910	JD
16		Unknown	16.97	920	JD
17	205-82-3	Benzo[j]fluoranthene	17.73	1100	NJD
18	192-97-2	Benzo[e]pyrene	17.94	2200	NJD
19	198-55-0	Perylene	18.09	1400	NJD
20	55255-70-4	Anthracene, 9-cyclohexyltetr	18.22	1700	NJD
21		Unknown	18.45	1000	JD
22	36728-72-0	28-Nor-17.beta.(H)-hopane	18.80	1400	NJD
23		Unknown	18.84	1300	JD
24		Unknown polyterpene derivati	19.23	2100	JD
25		Unknown polycyclic hydrocarb	19.80	960	JD
26					
27					
28					
29					
30					
	E966796(2)	Total Alkanes	N/A	12000	J

(2) EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR9

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794717D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 3.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	1400	U
108-95-2	Phenol	1400	U
111-44-4	Bis(2-chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
95-48-7	2-Methylphenol	1400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1400	U
98-86-2	Acetophenone	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	N-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	Bis(2-chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
91-20-3	Naphthalene	680	J
106-47-8	4-Chloroaniline	800	J
87-68-3	Hexachlorobutadiene	1400	U
105-60-2	Caprolactam	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	830	J
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
92-52-4	1,1'-Biphenyl	520	J
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	2700	U
131-11-3	Dimethylphthalate	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
208-96-8	Acenaphthylene	1100	J
99-09-2	3-Nitroaniline	2700	U
83-32-9	Acenaphthene	450	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR9

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794717D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 3.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	2700	U
100-02-7	4-Nitrophenol	2700	U
132-64-9	Dibenzofuran	1300	J
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	490	J
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	2700	U
534-52-1	4,6-Dinitro-2-methylphenol	2700	U
86-30-6	N-Nitrosodiphenylamine(1)	1400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
1912-24-9	Atrazine	1400	U
87-86-5	Pentachlorophenol	2700	U
85-01-8	Phenanthrene	1200	J
120-12-7	Anthracene	670	J
86-74-8	Carbazole	1400	U
84-74-2	Di-n-butylphthalate	1400	U
206-44-0	Fluoranthene	4000	
129-00-0	Pyrene	4500	
85-68-7	Butylbenzylphthalate	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)anthracene	2400	
218-01-9	Chrysene	3300	
117-81-7	Bis(2-ethylhexyl)phthalate	920	J
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo(b)fluoranthene	7600	
207-08-9	Benzo(k)fluoranthene	6700	
50-32-8	Benzo(a)pyrene	5200	
193-39-5	Indeno(1,2,3-cd)pyrene	2800	
53-70-3	Dibenzo(a,h)anthracene	640	J
191-24-2	Benzo(g,h,i)perylene	3300	
58-90-2	2,3,4,6-Tetrachlorophenol	1400	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR9

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794717D

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 3.3

CONCENTRATION UNITS:(ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.20	27000	NJAB
02	41464-49-7	1,1'-Biphenyl, 2,3,3',5'-tet	13.35	3600	NJ
03		Unknown	13.43	4300	J
04	15968-05-5	1,1'-Biphenyl, 2,2',6,6'-tet	13.61	4000	NJ
05		Unknown	13.73	5500	J
06	1000293-16-6	18-Norabietane	13.81	5800	NJ
07	52663-59-9	1,1'-Biphenyl, 2,2',3,4-tetr	13.84	3500	NJ
08	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.47	5200	NJ
09	641-85-0	Allopregnane	14.73	6700	NJ
10	6567-09-5	1,2,3,4-Tetrahydrobenzo[a]fl	14.80	4900	NJ
11	56558-18-0	1,1'-Biphenyl, 2,3',4,5',6-P	14.97	4700	NJ
12	641-85-0	Allopregnane	15.13	7300	NJ
13		Unknown	15.22	3600	J
14		Unknown	15.41	6800	J
15		Unknown polyterpene derivati	15.50	8700	J
16		Unknown	15.67	7400	J
17	87953-47-7	15-Isobutyl-(13.alpha.H)-iso	15.74	8600	NJ
18		Unknown	15.96	12000	J
19		Unknown	16.04	15000	J
20	55401-75-7	Anthracene, 9-dodecyltetrade	16.70	4900	NJ
21	481-21-0	Cholestane	17.00	5500	NJ
22		Unknown	17.04	11000	J
23		Unknown	17.36	8200	J
24		Unknown	17.51	7000	J
25	601-58-1	Stigmastane	17.82	6300	NJ
26		Unknown polyterpene derivati	18.05	6200	J
27		Unknown	18.13	11000	J
28		Unknown	18.37	7700	J
29	601-58-1	Stigmastane	18.46	11000	NJ
30		Unknown polycyclic hydrocarb	19.25	6300	J
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR9RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794717D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 3.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	1400	U
108-95-2	Phenol	1400	U
111-44-4	Bis(2-chloroethyl)ether	1400	U
95-57-8	2-Chlorophenol	1400	U
95-48-7	2-Methylphenol	1400	U
108-60-1	2,2'-Oxybis(1-chloropropane)	1400	U
98-86-2	Acetophenone	1400	U
106-44-5	4-Methylphenol	1400	U
621-64-7	N-Nitroso-di-n-propylamine	1400	U
67-72-1	Hexachloroethane	1400	U
98-95-3	Nitrobenzene	1400	U
78-59-1	Isophorone	1400	U
88-75-5	2-Nitrophenol	1400	U
105-67-9	2,4-Dimethylphenol	1400	U
111-91-1	Bis(2-chloroethoxy)methane	1400	U
120-83-2	2,4-Dichlorophenol	1400	U
91-20-3	Naphthalene	760	J
106-47-8	4-Chloroaniline	1000	J
87-68-3	Hexachlorobutadiene	1400	U
105-60-2	Caprolactam	1400	U
59-50-7	4-Chloro-3-methylphenol	1400	U
91-57-6	2-Methylnaphthalene	920	J
77-47-4	Hexachlorocyclopentadiene	1400	U
88-06-2	2,4,6-Trichlorophenol	1400	U
95-95-4	2,4,5-Trichlorophenol	1400	U
92-52-4	1,1'-Biphenyl	590	J
91-58-7	2-Chloronaphthalene	1400	U
88-74-4	2-Nitroaniline	2700	U
131-11-3	Dimethylphthalate	1400	U
606-20-2	2,6-Dinitrotoluene	1400	U
208-96-8	Acenaphthylene	1300	J
99-09-2	3-Nitroaniline	2700	U
83-32-9	Acenaphthene	490	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR9RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794717D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 3.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	2700	U
100-02-7	4-Nitrophenol	2700	U
132-64-9	Dibenzofuran	1500	
121-14-2	2,4-Dinitrotoluene	1400	U
84-66-2	Diethylphthalate	1400	U
86-73-7	Fluorene	620	J
7005-72-3	4-Chlorophenyl-phenylether	1400	U
100-01-6	4-Nitroaniline	2700	U
534-52-1	4,6-Dinitro-2-methylphenol	2700	U
86-30-6	N-Nitrosodiphenylamine(1)	1400	U
95-94-3	1,2,4,5-Tetrachlorobenzene	1400	U
101-55-3	4-Bromophenyl-phenylether	1400	U
118-74-1	Hexachlorobenzene	1400	U
1912-24-9	Atrazine	1400	U
87-86-5	Pentachlorophenol	2700	U
85-01-8	Phenanthrene	1300	J
120-12-7	Anthracene	770	J
86-74-8	Carbazole	140	J
84-74-2	Di-n-butylphthalate	1400	U
206-44-0	Fluoranthene	4400	
129-00-0	Pyrene	5900	
85-68-7	Butylbenzylphthalate	1400	U
91-94-1	3,3'-Dichlorobenzidine	1400	U
56-55-3	Benzo(a)anthracene	2700	
218-01-9	Chrysene	3600	
117-81-7	Bis(2-ethylhexyl)phthalate	1100	J
117-84-0	Di-n-octylphthalate	1400	U
205-99-2	Benzo(b)fluoranthene	9100	
207-08-9	Benzo(k)fluoranthene	7300	
50-32-8	Benzo(a)pyrene	6100	
193-39-5	Indeno(1,2,3-cd)pyrene	3400	
53-70-3	Dibenzo(a,h)anthracene	780	J
191-24-2	Benzo(g,h,i)perylene	3900	
58-90-2	2,3,4,6-Tetrachlorophenol	1400	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QR9RE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717R1

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794717D2

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 7.9 Dilution Factor: 3.3

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.20	29000	NJAB
02	35693-92-6	1,1'-Biphenyl, 2,4,6-trichlo	13.23	3700	NJ
03		Unknown	13.44	6600	J
04		Unknown	13.52	5000	J
05	41464-42-0	1,1'-Biphenyl, 2,3',5,5'-tet	13.61	4500	NJ
06		Unknown aliphatic compound	13.73	12000	J
07	1000293-16-6	18-Norabietane	13.82	8500	NJ
08		Unknown	13.97	5100	J
09		Unknown	14.18	7100	J
10		Unknown	14.42	6800	J
11	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.47	7100	NJ
12		Unknown	14.73	7300	J
13	74472-35-8	1,1'-Biphenyl, 2,3,3',4,6-Pe	14.98	7900	NJ
14	641-85-0	Allopregnane	15.13	9600	NJ
15		Unknown	15.22	4300	J
16		Unknown	15.42	11000	J
17		Unknown polycyclic hydrocarb	15.50	13000	J
18		Unknown	15.58	7500	J
19		Unknown polycyclic hydrocarb	15.75	7700	J
20		Unknown	16.05	18000	J
21		Unknown polycyclic hydrocarb	16.70	7100	J
22	481-20-9	Coprostane	17.00	8000	NJ
23		Unknown	17.04	18000	J
24		Unknown	17.36	8900	J
25		Unknown	17.51	9800	J
26		Unknown polyterpene derivati	17.82	9300	J
27		Unknown polyterpene derivati	18.38	13000	J
28	601-58-1	Stigmastane	18.47	17000	NJ
29	36728-72-0	28-Nor-17.beta.(H)-hopane	18.82	7800	NJ
30		Unknown polyterpene derivati	19.25	9600	J
	E966796(2)	Total Alkanes	N/A	4200	J

(2)EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS0

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794718

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794718

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	9900	U
108-95-2	Phenol	9900	U
111-44-4	Bis(2-chloroethyl)ether	9900	U
95-57-8	2-Chlorophenol	9900	U
95-48-7	2-Methylphenol	9900	U
108-60-1	2,2'-Oxybis(1-chloropropane)	9900	U
98-86-2	Acetophenone	9900	U
106-44-5	4-Methylphenol	9900	U
621-64-7	N-Nitroso-di-n-propylamine	9900	U
67-72-1	Hexachloroethane	9900	U
98-95-3	Nitrobenzene	9900	U
78-59-1	Isophorone	9900	U
88-75-5	2-Nitrophenol	9900	U
105-67-9	2,4-Dimethylphenol	9900	U
111-91-1	Bis(2-chloroethoxy)methane	9900	U
120-83-2	2,4-Dichlorophenol	9900	U
91-20-3	Naphthalene	9900	U
106-47-8	4-Chloroaniline	9900	U
87-68-3	Hexachlorobutadiene	9900	U
105-60-2	Caprolactam	9900	U
59-50-7	4-Chloro-3-methylphenol	9900	U
91-57-6	2-Methylnaphthalene	9900	U
77-47-4	Hexachlorocyclopentadiene	9900	U
88-06-2	2,4,6-Trichlorophenol	9900	U
95-95-4	2,4,5-Trichlorophenol	9900	U
92-52-4	1,1'-Biphenyl	9900	U
91-58-7	2-Chloronaphthalene	9900	U
88-74-4	2-Nitroaniline	20000	U
131-11-3	Dimethylphthalate	9900	U
606-20-2	2,6-Dinitrotoluene	9900	U
208-96-8	Acenaphthylene	9900	U
99-09-2	3-Nitroaniline	20000	U
83-32-9	Acenaphthene	1700	J

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS0

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794718

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794718

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	20000	U
100-02-7	4-Nitrophenol	20000	U
132-64-9	Dibenzofuran	9900	U
121-14-2	2,4-Dinitrotoluene	9900	U
84-66-2	Diethylphthalate	9900	U
86-73-7	Fluorene	2600	J
7005-72-3	4-Chlorophenyl-phenylether	9900	U
100-01-6	4-Nitroaniline	20000	U
534-52-1	4,6-Dinitro-2-methylphenol	20000	U
86-30-6	N-Nitrosodiphenylamine(1)	9900	U
95-94-3	1,2,4,5-Tetrachlorobenzene	9900	U
101-55-3	4-Bromophenyl-phenylether	9900	U
118-74-1	Hexachlorobenzene	9900	U
1912-24-9	Atrazine	9900	U
87-86-5	Pentachlorophenol	20000	U
85-01-8	Phenanthrene	9900	U
120-12-7	Anthracene	9900	U
86-74-8	Carbazole	9900	U
84-74-2	Di-n-butylphthalate	9900	U
206-44-0	Fluoranthene	4700	J
129-00-0	Pyrene	6500	J
85-68-7	Butylbenzylphthalate	9900	U
91-94-1	3,3'-Dichlorobenzidine	9900	U
56-55-3	Benzo(a)anthracene	9900	U
218-01-9	Chrysene	4700	J
117-81-7	Bis(2-ethylhexyl)phthalate	9900	U
117-84-0	Di-n-octylphthalate	9900	U
205-99-2	Benzo(b)fluoranthene	4300	J
207-08-9	Benzo(k)fluoranthene	2300	J
50-32-8	Benzo(a)pyrene	2300	J
193-39-5	Indeno(1,2,3-cd)pyrene	9900	U
53-70-3	Dibenzo(a,h)anthracene	9900	U
191-24-2	Benzo(g,h,i)perylene	9900	U
58-90-2	2,3,4,6-Tetrachlorophenol	9900	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QS0

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794718

Sample wt/vol: 1.01 (g/mL) g Lab File ID: 794718

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 7.4 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	43080-23-5	2-Propenoic acid, pentadecyl	11.99	15000	NJ
02		Unknown	13.49	18000	J
03	16587-34-1	Naphtho[2,3-b]thiophene, 4,9	13.80	14000	NJ
04		Unknown	14.02	7500	J
05	16587-34-1	Naphtho[2,3-b]thiophene, 4,9	14.06	14000	NJ
06		Unknown	14.23	15000	J
07	6566-19-4	10,18-Bisnorabieta-5,7,9(10)	14.52	23000	NJ
08	37436-37-6	1,3-Diamino-5,6-dihydro-7-me	14.60	35000	NJ
09		Unknown	14.80	19000	J
10	3674-73-5	Phenanthrene, 2,3,5-trimethy	14.84	16000	NJ
11		Unknown aliphatic compound	14.89	18000	J
12	641-85-0	Allopregnane	15.17	31000	NJ
13		Unknown	15.31	37000	J
14		Unknown polycyclic hydrocarb	15.54	53000	J
15	70301-47-2	Chloroacetic acid, pentadecy	15.66	19000	NJ
16		Unknown	15.99	36000	J
17		Unknown aliphatic compound	16.19	26000	J
18		Unknown	16.47	16000	J
19		Unknown	16.74	34000	J
20	481-21-0	Cholestane	17.05	21000	NJ
21		Unknown	17.09	28000	J
22	481-20-9	Coprostane	17.71	19000	NJ
23	97306-62-2	2,5,5,8a-Tetramethyl-6,7,8,8	17.77	35000	NJ
24	601-58-1	Stigmastane	17.87	38000	NJ
25		Unknown polyterpene derivati	18.52	33000	J
26	36728-72-0	28-Nor-17.beta.(H)-hopane	18.88	12000	NJ
27		Unknown polyterpene derivati	19.32	28000	J
28					
29					
30					
	E966796(2)	Total Alkanes	N/A	440000	J

(2) EPA-designated Registry Number.

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794719

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794719P

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 63 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 1.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	460	U
108-95-2	Phenol	460	U
111-44-4	Bis(2-chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	2,2'-Oxybis(1-chloropropane)	460	U
98-86-2	Acetophenone	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
111-91-1	Bis(2-chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
91-20-3	Naphthalene	52	J
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
105-60-2	Caprolactam	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	52	J
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	460	U
92-52-4	1,1'-Biphenyl	460	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	900	U
131-11-3	Dimethylphthalate	460	U
606-20-2	2,6-Dinitrotoluene	460	U
208-96-8	Acenaphthylene	460	U
99-09-2	3-Nitroaniline	900	U
83-32-9	Acenaphthene	1800	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794719

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794719P

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 63 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 1.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	900	U
100-02-7	4-Nitrophenol	900	U
132-64-9	Dibenzofuran	460	J
121-14-2	2,4-Dinitrotoluene	460	U
84-66-2	Diethylphthalate	460	U
86-73-7	Fluorene	330	J
7005-72-3	4-Chlorophenyl-phenylether	460	U
100-01-6	4-Nitroaniline	900	U
534-52-1	4,6-Dinitro-2-methylphenol	900	U
86-30-6	N-Nitrosodiphenylamine(1)	460	U
95-94-3	1,2,4,5-Tetrachlorobenzene	460	U
101-55-3	4-Bromophenyl-phenylether	460	U
118-74-1	Hexachlorobenzene	460	U
1912-24-9	Atrazine	460	U
87-86-5	Pentachlorophenol	900	U
85-01-8	Phenanthrene	260	J
120-12-7	Anthracene	120	J
86-74-8	Carbazole	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	750	
129-00-0	Pyrene	520	
85-68-7	Butylbenzylphthalate	48	J
91-94-1	3,3'-Dichlorobenzidine	460	U
56-55-3	Benzo(a)anthracene	240	J
218-01-9	Chrysene	350	J
117-81-7	Bis(2-ethylhexyl)phthalate	260	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	400	J
207-08-9	Benzo(k)fluoranthene	370	J
50-32-8	Benzo(a)pyrene	310	J
193-39-5	Indeno(1,2,3-cd)pyrene	81	J
53-70-3	Dibenzo(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	86	J
58-90-2	2,3,4,6-Tetrachlorophenol	460	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QS1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794719

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 794719P

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: 63 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 1000 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 1.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	141-79-7	3-Penten-2-one, 4-methyl-	3.65	300	NJAB U
02	107-92-6	Butanoic acid	3.74	630	NJ
03	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.29	36000	NJAB U
04	1000222-86-6	Oxime-, methoxy-phenyl-	5.02	800	NJ
05		Unknown	9.28	440	JB U
06		Unknown	11.32	1600	J
07	4534-50-3	Benzene, (1-butylnonyl)-	11.58	660	NJ
08		Unknown benzene derivative	11.76	890	J
09		Unknown benzene derivative	11.78	1100	J
10		Unknown	11.87	840	J
11	4218-48-8	Benzene, 1-ethyl-4-(1-methyl	11.93	540	NJ
12		Unknown benzene derivative	11.99	1500	J
13	55134-07-1	Benzene, (1,1,4,6,6-pentamet	12.18	690	NJ
14		Unknown	12.92	350	J
15	2091-29-4	9-Hexadecenoic acid	13.45	600	NJ
16	57-10-3	n-Hexadecanoic acid	13.55	1100	NJ
17	10544-50-0	Cyclic octaatomic sulfur	14.18	33000	NJ
18	102037-88-7	3-Methyl-2-(3,7,11-trimethyl	14.49	540	NJ
19	1000309-12-7	Sulfurous acid, octadecyl 2-	16.13	2200	NJ
20	7683-64-9	Squalene	17.54	1100	NJ
21		Unknown cholestane derivativ	17.70	1400	J
22		Unknown	17.86	1200	J
23	1000285-40-2	.beta.-iso-Methyl ionone	18.28	1000	NJ
24	601-58-1	Stigmastane	18.44	1100	NJ
25		Unknown polyterpene derivati	18.52	1500	J
26		Unknown	18.62	1300	J
27	36728-72-0	28-Nor-17.beta.(H)-hopane	18.88	1600	NJ
28		Unknown polyterpene derivati	19.13	760	J
29	55255-70-4	Anthracene, 9-cyclohexyltetr	19.32	2200	NJ
30	474-62-4	Campesterol	19.68	1000	NJ
	E966796(2)	Total Alkanes	N/A	4000	J

(2) EPA-designated Registry Number.

ACH 6-24-09

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794720

Sample wt/vol: 1.03 (g/mL) g Lab File ID: 794720D

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 8.2 Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	230000	U
108-95-2	Phenol	230000	U
111-44-4	Bis(2-chloroethyl)ether	230000	U
95-57-8	2-Chlorophenol	230000	U
95-48-7	2-Methylphenol	230000	U
108-60-1	2,2'-Oxybis(1-chloropropane)	230000	U
98-86-2	Acetophenone	230000	U
106-44-5	4-Methylphenol	230000	U
621-64-7	N-Nitroso-di-n-propylamine	230000	U
67-72-1	Hexachloroethane	230000	U
98-95-3	Nitrobenzene	230000	U
78-59-1	Isophorone	230000	U
88-75-5	2-Nitrophenol	230000	U
105-67-9	2,4-Dimethylphenol	230000	U
111-91-1	Bis(2-chloroethoxy)methane	230000	U
120-83-2	2,4-Dichlorophenol	230000	U
91-20-3	Naphthalene	230000	U
106-47-8	4-Chloroaniline	230000	U
87-68-3	Hexachlorobutadiene	230000	U
105-60-2	Caprolactam	230000	U
59-50-7	4-Chloro-3-methylphenol	230000	U
91-57-6	2-Methylnaphthalene	230000	U
77-47-4	Hexachlorocyclopentadiene	230000	U
88-06-2	2,4,6-Trichlorophenol	230000	U
95-95-4	2,4,5-Trichlorophenol	230000	U
92-52-4	1,1'-Biphenyl	230000	U
91-58-7	2-Chloronaphthalene	230000	U
88-74-4	2-Nitroaniline	460000	U
131-11-3	Dimethylphthalate	230000	U
606-20-2	2,6-Dinitrotoluene	230000	U
208-96-8	Acenaphthylene	230000	U
99-09-2	3-Nitroaniline	460000	U
83-32-9	Acenaphthene	480000	

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794720

Sample wt/vol: 1.03 (g/mL) g Lab File ID: 794720D

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 8.2 Dilution Factor: 20.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	460000	U
100-02-7	4-Nitrophenol	460000	U
132-64-9	Dibenzofuran	220000	J
121-14-2	2,4-Dinitrotoluene	230000	U
84-66-2	Diethylphthalate	230000	U
86-73-7	Fluorene	440000	
7005-72-3	4-Chlorophenyl-phenylether	230000	U
100-01-6	4-Nitroaniline	460000	U
534-52-1	4,6-Dinitro-2-methylphenol	460000	U
86-30-6	N-Nitrosodiphenylamine(1)	230000	U
95-94-3	1,2,4,5-Tetrachlorobenzene	230000	U
101-55-3	4-Bromophenyl-phenylether	230000	U
118-74-1	Hexachlorobenzene	230000	U
1912-24-9	Atrazine	230000	U
87-86-5	Pentachlorophenol	460000	U
85-01-8	Phenanthrene	460000	
120-12-7	Anthracene	270000	
86-74-8	Carbazole	230000	U
84-74-2	Di-n-butylphthalate	230000	U
206-44-0	Fluoranthene	2000000	
129-00-0	Pyrene	1100000	
85-68-7	Butylbenzylphthalate	230000	U
91-94-1	3,3'-Dichlorobenzidine	230000	U
56-55-3	Benzo(a)anthracene	600000	
218-01-9	Chrysene	630000	
117-81-7	Bis(2-ethylhexyl)phthalate	230000	U
117-84-0	Di-n-octylphthalate	230000	U
205-99-2	Benzo(b)fluoranthene	700000	
207-08-9	Benzo(k)fluoranthene	500000	
50-32-8	Benzo(a)pyrene	540000	
193-39-5	Indeno(1,2,3-cd)pyrene	160000	J
53-70-3	Dibenzo(a,h)anthracene	45000	J
191-24-2	Benzo(g,h,i)perylene	130000	J
58-90-2	2,3,4,6-Tetrachlorophenol	230000	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
E2QS2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794720

Sample wt/vol: 1.03 (g/mL) g Lab File ID: 794720D

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 8.2 Dilution Factor: 20.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	12.07	250000	J
02	203-64-5	4H-Cyclopenta[def]phenanthre	13.61	340000	NJ
03	612-94-2	Naphthalene, 2-phenyl-	13.86	150000	NJ
04	886-66-8	Benzene, 1,1'-(1,3-butadiyne	14.52	120000	NJ
05		Unknown	14.62	150000	J
06	243-17-4	11H-Benzo[b]fluorene	15.02	120000	NJ
07	243-17-4	11H-Benzo[b]fluorene	15.16	350000	NJ
08	243-17-4	11H-Benzo[b]fluorene	15.24	240000	NJ
09		Unknown	15.52	140000	J
10	1241-94-7	Octicizer	15.96	120000	NJ
11	243-46-9	Benzo[b]naphtho[2,3-d]thioph	15.98	200000	NJ
12	195-19-7	Benzo[c]phenanthrene	16.03	150000	NJ
13	27208-37-3	Cyclopenta[cd]pyrene	16.04	130000	NJ
14		Unknown	16.40	110000	J
15	82-05-3	7H-Benz[de]anthracen-7-one	16.52	110000	NJ
16	2541-69-7	Benz[a]anthracene, 7-methyl-	16.86	160000	NJ
17		Unknown	16.91	110000	J
18		Unknown PAH	16.98	120000	J
19		Unknown PAH	17.05	170000	J
20		Unknown PAH	17.12	120000	J
21		Unknown aliphatic compound	17.46	200000	J
22	192-97-2	Benzo[e]pyrene	17.79	110000	NJ
23	192-97-2	Benzo[e]pyrene	18.00	460000	NJ
24	198-55-0	Perylene	18.16	270000	NJ
25		Unknown	18.25	150000	J
26		Unknown PAH	18.40	110000	J
27		Unknown	18.52	300000	J
28		Unknown PAH	18.71	140000	J
29		Unknown	18.87	200000	J
30		Unknown polycyclic hydrocarb	19.31	160000	J
	E966796(2)	Total Alkanes	N/A	1100000	J

(2) EPA-designated Registry Number.

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKL8

Sample wt/vol: 29.9 (g/mL) g Lab File ID: B0509L8

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine(1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo(a)anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	170	U
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo(b)fluoranthene	170	U
207-08-9	Benzo(k)fluoranthene	170	U
50-32-8	Benzo(a)pyrene	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	170	U
53-70-3	Dibenzo(a,h)anthracene	170	U
191-24-2	Benzo(g,h,i)perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKL8

Sample wt/vol: 29.9 (g/mL) g Lab File ID: B0509L8

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLKL8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKL8

Sample wt/vol: 29.9 (g/mL) g Lab File ID: B0509L8

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/09/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/24/2009

GPC Cleanup: (Y/N) Y pH: 6.2 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	141-79-7	3-Penten-2-one, 4-methyl-	3.67	77	NJA
02	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.31	11000	NJA
03		Unknown	9.27	350	J
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(2)	Total Alkanes	N/A		

(2) EPA-designated Registry Number.

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKM4

Sample wt/vol: 1.05 (g/mL) g Lab File ID: B0514M4

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	9500	U
100-02-7	4-Nitrophenol	9500	U
132-64-9	Dibenzofuran	4800	U
121-14-2	2,4-Dinitrotoluene	4800	U
84-66-2	Diethylphthalate	4800	U
86-73-7	Fluorene	4800	U
7005-72-3	4-Chlorophenyl-phenylether	4800	U
100-01-6	4-Nitroaniline	9500	U
534-52-1	4,6-Dinitro-2-methylphenol	9500	U
86-30-6	N-Nitrosodiphenylamine(1)	4800	U
95-94-3	1,2,4,5-Tetrachlorobenzene	4800	U
101-55-3	4-Bromophenyl-phenylether	4800	U
118-74-1	Hexachlorobenzene	4800	U
1912-24-9	Atrazine	4800	U
87-86-5	Pentachlorophenol	9500	U
85-01-8	Phenanthrene	4800	U
120-12-7	Anthracene	4800	U
86-74-8	Carbazole	4800	U
84-74-2	Di-n-butylphthalate	4800	U
206-44-0	Fluoranthene	4800	U
129-00-0	Pyrene	4800	U
85-68-7	Butylbenzylphthalate	4800	U
91-94-1	3,3'-Dichlorobenzidine	4800	U
56-55-3	Benzo(a)anthracene	4800	U
218-01-9	Chrysene	4800	U
117-81-7	Bis(2-ethylhexyl)phthalate	4800	U
117-84-0	Di-n-octylphthalate	4800	U
205-99-2	Benzo(b)fluoranthene	4800	U
207-08-9	Benzo(k)fluoranthene	4800	U
50-32-8	Benzo(a)pyrene	4800	U
193-39-5	Indeno(1,2,3-cd)pyrene	4800	U
53-70-3	Dibenzo(a,h)anthracene	4800	U
191-24-2	Benzo(g,h,i)perylene	4800	U
58-90-2	2,3,4,6-Tetrachlorophenol	4800	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKM4

Sample wt/vol: 1.05 (g/mL) g Lab File ID: B0514M4

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	4800	U
108-95-2	Phenol	4800	U
111-44-4	Bis(2-chloroethyl)ether	4800	U
95-57-8	2-Chlorophenol	4800	U
95-48-7	2-Methylphenol	4800	U
108-60-1	2,2'-Oxybis(1-chloropropane)	4800	U
98-86-2	Acetophenone	4800	U
106-44-5	4-Methylphenol	4800	U
621-64-7	N-Nitroso-di-n-propylamine	4800	U
67-72-1	Hexachloroethane	4800	U
98-95-3	Nitrobenzene	4800	U
78-59-1	Isophorone	4800	U
88-75-5	2-Nitrophenol	4800	U
105-67-9	2,4-Dimethylphenol	4800	U
111-91-1	Bis(2-chloroethoxy)methane	4800	U
120-83-2	2,4-Dichlorophenol	4800	U
91-20-3	Naphthalene	4800	U
106-47-8	4-Chloroaniline	4800	U
87-68-3	Hexachlorobutadiene	4800	U
105-60-2	Caprolactam	4800	U
59-50-7	4-Chloro-3-methylphenol	4800	U
91-57-6	2-Methylnaphthalene	4800	U
77-47-4	Hexachlorocyclopentadiene	4800	U
88-06-2	2,4,6-Trichlorophenol	4800	U
95-95-4	2,4,5-Trichlorophenol	4800	U
92-52-4	1,1'-Biphenyl	4800	U
91-58-7	2-Chloronaphthalene	4800	U
88-74-4	2-Nitroaniline	4800	U
131-11-3	Dimethylphthalate	9500	U
606-20-2	2,6-Dinitrotoluene	4800	U
208-96-8	Acenaphthylene	4800	U
99-09-2	3-Nitroaniline	4800	U
83-32-9	Acenaphthene	9500	U
		4800	U

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLKM4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLKM4

Sample wt/vol: 1.05 (g/mL) g Lab File ID: B0514M4

Level: (LOW/MED) MED Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/14/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/22/2009

GPC Cleanup: (Y/N) Y pH: 6.8 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01		Unknown	9.28	3000	J
02	2156-97-0	Dodecyl acrylate	11.99	2800	NJ
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(2)	Total Alkanes	N/A		

(2)EPA-designated Registry Number.

SOM01.2

1D - FORM I SV-1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLK01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: B052201

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-52-7	Benzaldehyde	170	U
108-95-2	Phenol	170	U
111-44-4	Bis(2-chloroethyl)ether	170	U
95-57-8	2-Chlorophenol	170	U
95-48-7	2-Methylphenol	170	U
108-60-1	2,2'-Oxybis(1-chloropropane)	170	U
98-86-2	Acetophenone	170	U
106-44-5	4-Methylphenol	170	U
621-64-7	N-Nitroso-di-n-propylamine	170	U
67-72-1	Hexachloroethane	170	U
98-95-3	Nitrobenzene	170	U
78-59-1	Isophorone	170	U
88-75-5	2-Nitrophenol	170	U
105-67-9	2,4-Dimethylphenol	170	U
111-91-1	Bis(2-chloroethoxy)methane	170	U
120-83-2	2,4-Dichlorophenol	170	U
91-20-3	Naphthalene	170	U
106-47-8	4-Chloroaniline	170	U
87-68-3	Hexachlorobutadiene	170	U
105-60-2	Caprolactam	170	U
59-50-7	4-Chloro-3-methylphenol	170	U
91-57-6	2-Methylnaphthalene	170	U
77-47-4	Hexachlorocyclopentadiene	170	U
88-06-2	2,4,6-Trichlorophenol	170	U
95-95-4	2,4,5-Trichlorophenol	170	U
92-52-4	1,1'-Biphenyl	170	U
91-58-7	2-Chloronaphthalene	170	U
88-74-4	2-Nitroaniline	330	U
131-11-3	Dimethylphthalate	170	U
606-20-2	2,6-Dinitrotoluene	170	U
208-96-8	Acenaphthylene	170	U
99-09-2	3-Nitroaniline	330	U
83-32-9	Acenaphthene	170	U

SOM01.2

1E - FORM I SV-2
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLK01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: B052201

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: — Decanted: (Y/N) Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
51-28-5	2,4-Dinitrophenol	330	U
100-02-7	4-Nitrophenol	330	U
132-64-9	Dibenzofuran	170	U
121-14-2	2,4-Dinitrotoluene	170	U
84-66-2	Diethylphthalate	170	U
86-73-7	Fluorene	170	U
7005-72-3	4-Chlorophenyl-phenylether	170	U
100-01-6	4-Nitroaniline	330	U
534-52-1	4,6-Dinitro-2-methylphenol	330	U
86-30-6	N-Nitrosodiphenylamine(1)	170	U
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U
101-55-3	4-Bromophenyl-phenylether	170	U
118-74-1	Hexachlorobenzene	170	U
1912-24-9	Atrazine	170	U
87-86-5	Pentachlorophenol	330	U
85-01-8	Phenanthrene	170	U
120-12-7	Anthracene	170	U
86-74-8	Carbazole	170	U
84-74-2	Di-n-butylphthalate	170	U
206-44-0	Fluoranthene	170	U
129-00-0	Pyrene	170	U
85-68-7	Butylbenzylphthalate	170	U
91-94-1	3,3'-Dichlorobenzidine	170	U
56-55-3	Benzo(a)anthracene	170	U
218-01-9	Chrysene	170	U
117-81-7	Bis(2-ethylhexyl)phthalate	19	J
117-84-0	Di-n-octylphthalate	170	U
205-99-2	Benzo(b)fluoranthene	170	U
207-08-9	Benzo(k)fluoranthene	170	U
50-32-8	Benzo(a)pyrene	170	U
193-39-5	Indeno(1,2,3-cd)pyrene	170	U
53-70-3	Dibenzo(a,h)anthracene	170	U
191-24-2	Benzo(g,h,i)perylene	170	U
58-90-2	2,3,4,6-Tetrachlorophenol	170	U

(1) - Cannot be separated from Diphenylamine

SOM01.2

1K - FORM I SV-TIC
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SBLK01

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: SBLK01

Sample wt/vol: 30.2 (g/mL) g Lab File ID: B052201

Level: (LOW/MED) LOW Extraction: (Type) SONC

% Moisture: Decanted: (Y/N) N Date Received:

Concentrated Extract Volume: 500 (uL) Date Extracted: 05/22/2009

Injection Volume: 2.0 (uL) GPC Factor: 2.0 Date Analyzed: 05/26/2009

GPC Cleanup: (Y/N) Y pH: 6.7 Dilution Factor: 1.0

CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
01	123-42-2	2-Pentanone, 4-hydroxy-4-met	4.23	7600	NJA
02		Unknown	9.23	560	J
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
	E966796(2)	Total Alkanes	N/A		

(2) EPA-designated Registry Number.

SOM01.2

2P - FORM II PEST-2
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column(1):RTX-CLP ID:0.32 (mm) GC Column(2):RTX-CLPII ID:0.32 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	PBLKO7	77	76	75	75			0
02	PLCSO7	80	80	84	87			0
03	E2QQ1	38	43	37	37			0
04	E2QQ2	45	55	59	38			0
05	E2QR2	64	61	68	66			0
06	E2QR3	52	56	55	70			0
07	E2QR4	40	36	41	52			0
08	E2QR6	48	50	48	62			0
09	E2QR9	44	46	54	52			0
10	E2QS2	* 17D	* 17D	* 362D	94			0
11	E2QQ3	83	82	73	78			0
12	E2QQ4	83	85	71	75			0
13	E2QQ5	87	80	74	97			0
14	E2QQ7	90	82	74	76			0
15	E2QQ8	75	73	62	67			0
16	E2QR5	77	77	70	74			0
17	E2QR7	77	74	67	69			0
18	E2QS1	61	58	55	59			0
19	E2QQ1MS	44	53	58	61			0
20	E2QQ1MSD	50	56	56	57			0
21	E2QQ6	53	60	52	59			0
22	E2QR1	75	73	57	63			0
23	E2QR8	80	83	67	69			0
24	E2QS0	45	60	78	126			0
25								
26								
27								
28								
29								
30								

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(30-150)
(30-150)

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

Page 1 of 1

SOM01.2

3H - FORM III PEST-2
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1

Instrument ID: 0825_1.i GC Column: RTX-CLP ID: 0.32(mm)

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	53	14	39	47	46-127
Heptachlor	53	17	80	119	35-130
Aldrin	53	88	25	-119*	34-132
Dieldrin	110	16	78	56	31-134
Endrin	110	0	56	51	42-139
4,4'-DDT	110	34	88	49	23-134

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	53	29	28*	51*	0-50	46-127
Heptachlor	53	54	70	52*	0-31	35-130
Aldrin	53	23	-123*	-3*	0-43	34-132
Dieldrin	110	77	55	2	0-38	31-134
Endrin	110	57	52	2	0-45	42-139
4,4'-DDT	110	75	37	28	0-50	23-134

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 3 out of 6 outside limits
Spike Recovery: 3 out of 12 outside limits

COMMENTS: _____

SOM01.2

3H - FORM III PEST-2
SOIL PESTICIDE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1

Instrument ID: 0825_2.i GC Column: RTX-CLPII ID: 0.32(mm)

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
gamma-BHC (Lindane)	53	6.5	42	67	46-127
Heptachlor	53	32	89	108	35-130
Aldrin	53	38	29	-17*	34-132
Dieldrin	110	16	92	69	31-134
Endrin	110	0	70	64	42-139
4,4'-DDT	110	51	140	81	23-134

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
gamma-BHC (Lindane)	53	34	52	25	0-50	46-127
Heptachlor	53	57	47	79*	0-31	35-130
Aldrin	53	26	-23*	-30*	0-43	34-132
Dieldrin	110	74	53	26	0-38	31-134
Endrin	110	64	58	10	0-45	42-139
4,4'-DDT	110	110	54	40	0-50	23-134

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 6 outside limits
Spike Recovery: 2 out of 12 outside limits

COMMENTS: _____

SOM01.2

3M - FORM III PEST-4
SOIL PESTICIDE LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
PLCSO7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab Sample ID: PLCSO7 LCS Lot No.:

Date Extracted: 05/09/2009 Date Analyzed (1): 05/23/2009

Instrument ID (1): 0825_1.i GC Column (1): RTX-CLP ID: 0.32(mm)

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
gamma-BHC (Lindane)	1.7	1.1	65	50-120
Heptachlor epoxide	1.7	1.2	71	50-150
Dieldrin	3.3	2.5	76	30-130
4,4'-DDE	3.3	2.5	76	50-150
Endrin	3.3	2.6	79	50-120
Endosulfan sulfate	3.3	2.6	79	50-120
gamma-Chlordane	1.7	1.3	76	30-130

Instrument ID (2): 0825_2.i GC Column (2): RTX-CLPII ID: 0.32(mm)

Date analyzed (2): 05/23/2009

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
gamma-BHC (Lindane)	1.7	1.2	71	50-120
Heptachlor epoxide	1.7	1.3	76	50-150
Dieldrin	3.3	2.5	76	30-130
4,4'-DDE	3.3	2.5	76	50-150
Endrin	3.3	2.6	79	50-120
Endosulfan sulfate	3.3	2.6	79	50-120
gamma-Chlordane	1.7	1.3	76	30-130

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

LCS Recovery: 0 out of 14 outside limits.

COMMENTS: _____

SOM01.2

4E - FORM IV PEST
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.
PBLKO7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab File ID: 22MAY091621-R011 Lab Sample ID: PBLKO7

Matrix:(SOIL/SED/WATER) Soil Extraction:(Type) SONC Date Extracted: 05/09/2009

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) Y

Date Analyzed (1): 05/22/2009 Date Analyzed (2): 05/22/2009

Time Analyzed (1): 2355 Time Analyzed (2): 2355

Instrument ID (1): 0825_1.i Instrument ID (2): 0825_2.i

GC Column(1): RTX-CLP ID: 0.32 (mm) GC Column(2): RTX-CLPII ID: 0.32 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	PLCSO7	PLCSO7	05/23/2009	05/23/2009
02	E2QQ1	794701	05/23/2009	05/23/2009
03	E2QQ2	794702	05/23/2009	05/23/2009
04	E2QR2	794710	05/23/2009	05/23/2009
05	E2QR3	794711	05/23/2009	05/23/2009
06	E2QR4	794712	05/23/2009	05/23/2009
07	E2QR6	794714	05/23/2009	05/23/2009
08	E2QR9	794717	05/23/2009	05/23/2009
09	E2QS2	794720	05/23/2009	05/23/2009
10	E2QQ3	794703	05/24/2009	05/24/2009
11	E2QQ4	794704	05/24/2009	05/24/2009
12	E2QQ5	794705	05/24/2009	05/24/2009
13	E2QQ7	794707	05/24/2009	05/24/2009
14	E2QQ8	794708	05/24/2009	05/24/2009
15	E2QR5	794713	05/24/2009	05/24/2009
16	E2QR7	794715	05/24/2009	05/24/2009
17	E2QS1	794719	05/24/2009	05/24/2009
18	E2QQ1MS	794701MS	05/24/2009	05/24/2009
19	E2QQ1MSD	794701MD	05/24/2009	05/24/2009
20	E2QQ6	794706	05/24/2009	05/24/2009
21	E2QR1	794709	05/24/2009	05/24/2009
22	E2QR8	794716	05/24/2009	05/24/2009
23	E2QS0	794718	05/24/2009	05/24/2009
24				
25				
26				

COMMENTS: _____

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8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 05/22/2009 05/22/2009

Instrument ID: 0825_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.42 DCB: 5.96

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKO3	22MAY091551-R031	05/22/2009	2101	2.42	5.96
02	RESCO1	22MAY091551-R041	05/22/2009	2113	2.42	5.96
03	PEMO1	22MAY091551-R051	05/22/2009	2125	2.41	5.95
04	TOXAPH1O1	22MAY091551-R061	05/22/2009	2136	2.42	5.96
05	TOXAPH2O1	22MAY091551-R071	05/22/2009	2148	2.42	5.96
06	TOXAPH3O1	22MAY091551-R081	05/22/2009	2159	2.42	5.96
07	TOXAPH4O1	22MAY091551-R091	05/22/2009	2211	2.42	5.96
08	TOXAPH5O1	22MAY091551-R101	05/22/2009	2222	2.42	5.96
09	INDC1O1	22MAY091551-R111	05/22/2009	2234	2.42	5.96
10	INDC2O1	22MAY091551-R121	05/22/2009	2245	2.42	5.96
11	INDC3O1	22MAY091551-R131	05/22/2009	2257	2.42	5.96
12	INDC4O1	22MAY091551-R141	05/22/2009	2308	2.42	5.96
13	INDC5O1	22MAY091551-R151	05/22/2009	2320	2.41	5.95
14	PIBLKO4	22MAY091551-R161	05/22/2009	2331	2.42	5.96
15	PEMO2	22MAY091551-R171	05/22/2009	2343	2.42	5.96
16	PBLKO7	22MAY091621-R011	05/22/2009	2355	2.42	5.96
17	PLCSO7	22MAY091621-R021	05/23/2009	0006	2.42	5.96
18	E2QQ1	22MAY091621-R031	05/23/2009	0018	2.43	6.00
19	E2QQ2	22MAY091621-R041	05/23/2009	0029	2.44	6.01
20	E2QR2	22MAY091621-R051	05/23/2009	0041	2.41	5.95
21	E2QR3	22MAY091621-R061	05/23/2009	0052	2.43	5.97
22	E2QR4	22MAY091621-R071	05/23/2009	0104	2.43	5.97
23	E2QR6	22MAY091621-R081	05/23/2009	0115	2.43	5.97
24	E2QR9	22MAY091621-R091	05/23/2009	0127	2.43	5.98
25	E2QS2	22MAY091621-R101	05/23/2009	0138	2.42	5.94
26	PIBLKO5	22MAY091621-R111	05/23/2009	0150	2.42	5.96
27	INDC3O2	22MAY091621-R121	05/23/2009	0202	2.41	5.95
28						
29						
30						
31						
32						

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

Page 1 of 1

SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 05/22/2009 05/22/2009

Instrument ID: 0825_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.92 DCB: 6.95

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKO3	22MAY091551-R031	05/22/2009	2101	2.92	6.95
02	RESCO1	22MAY091551-R041	05/22/2009	2113	2.92	6.95
03	PEMO1	22MAY091551-R051	05/22/2009	2125	2.92	6.95
04	TOXAPH1O1	22MAY091551-R061	05/22/2009	2136	2.92	6.95
05	TOXAPH2O1	22MAY091551-R071	05/22/2009	2148	2.92	6.95
06	TOXAPH3O1	22MAY091551-R081	05/22/2009	2159	2.92	6.95
07	TOXAPH4O1	22MAY091551-R091	05/22/2009	2211	2.93	6.96
08	TOXAPH5O1	22MAY091551-R101	05/22/2009	2222	2.93	6.96
09	INDC1O1	22MAY091551-R111	05/22/2009	2234	2.92	6.95
10	INDC2O1	22MAY091551-R121	05/22/2009	2245	2.92	6.95
11	INDC3O1	22MAY091551-R131	05/22/2009	2257	2.92	6.95
12	INDC4O1	22MAY091551-R141	05/22/2009	2308	2.92	6.95
13	INDC5O1	22MAY091551-R151	05/22/2009	2320	2.93	6.96
14	PIBLKO4	22MAY091551-R161	05/22/2009	2331	2.92	6.94
15	PEMO2	22MAY091551-R171	05/22/2009	2343	2.92	6.95
16	PBLKO7	22MAY091621-R011	05/22/2009	2355	2.93	6.95
17	PLCSO7	22MAY091621-R021	05/23/2009	0006	2.93	6.96
18	E2QQ1	22MAY091621-R031	05/23/2009	0018	2.93	6.98
19	E2QQ2	22MAY091621-R041	05/23/2009	0029	2.93	6.98
20	E2QR2	22MAY091621-R051	05/23/2009	0041	2.93	6.96
21	E2QR3	22MAY091621-R061	05/23/2009	0052	2.93	6.96
22	E2QR4	22MAY091621-R071	05/23/2009	0104	2.93	6.97
23	E2QR6	22MAY091621-R081	05/23/2009	0115	2.93	6.96
24	E2QR9	22MAY091621-R091	05/23/2009	0127	2.93	6.97
25	E2QS2	22MAY091621-R101	05/23/2009	0138	2.93	6.95
26	PIBLKO5	22MAY091621-R111	05/23/2009	0150	2.93	6.95
27	INDC3O2	22MAY091621-R121	05/23/2009	0202	2.91	6.93
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QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

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

Page 1 of 1 SOM01.2

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.35 DCB: 5.88

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKK3	24MAY091248-R031	05/24/2009	1349	2.35	5.89
02	RESCK1	24MAY091248-R041	05/24/2009	1401	2.35	5.89
03	PEMK1	24MAY091248-R051	05/24/2009	1413	2.35	5.89
04	TOXAPH1K1	24MAY091248-R061	05/24/2009	1424	2.35	5.89
05	TOXAPH2K1	24MAY091248-R071	05/24/2009	1436	2.33	5.87
06	TOXAPH3K1	24MAY091248-R081	05/24/2009	1448	2.35	5.89
07	TOXAPH4K1	24MAY091248-R091	05/24/2009	1459	2.33	5.87
08	TOXAPH5K1	24MAY091248-R101	05/24/2009	1511	2.35	5.89
09	INDC1K1	24MAY091248-R111	05/24/2009	1522	2.35	5.89
10	INDC2K1	24MAY091248-R121	05/24/2009	1534	2.35	5.88
11	INDC3K1	24MAY091248-R131	05/24/2009	1545	2.35	5.89
12	INDC4K1	24MAY091248-R141	05/24/2009	1557	2.35	5.89
13	INDC5K1	24MAY091248-R151	05/24/2009	1608	2.34	5.87
14	PIBLKK4	24MAY091248-R161	05/24/2009	1620	2.34	5.87
15	PEMK2	24MAY091248-R171	05/24/2009	1631	2.33	5.87
16	E2QQ3	24MAY091257-R011	05/24/2009	1643	2.34	5.87
17	PIBLKK5	24MAY091257-R021	05/24/2009	1654	2.35	5.89
18	E2QQ4	24MAY091257-R031	05/24/2009	1706	2.34	5.87
19	PIBLKK6	24MAY091257-R041	05/24/2009	1717	2.34	5.87
20	E2QQ5	24MAY091257-R051	05/24/2009	1729	2.34	5.88
21	PIBLKK7	24MAY091257-R061	05/24/2009	1741	2.34	5.87
22	E2QQ7	24MAY091257-R071	05/24/2009	1752	2.33	5.87
23	PIBLKK8	24MAY091257-R081	05/24/2009	1804	2.34	5.87
24	E2QQ8	24MAY091257-R091	05/24/2009	1815	2.34	5.88
25	PIBLKK9	24MAY091257-R101	05/24/2009	1827	2.34	5.87
26	E2QR5	24MAY091257-R111	05/24/2009	1839	2.34	5.87
27	PIBLKL1	24MAY091257-R121	05/24/2009	1850	2.34	5.87
28	E2QR7	24MAY091257-R131	05/24/2009	1902	2.34	5.87
29	PIBLKL2	24MAY091257-R141	05/24/2009	1913	2.34	5.87
30	E2QS1	24MAY091257-R151	05/24/2009	1925	2.34	5.87
31	PIBLKL3	24MAY091257-R161	05/24/2009	1937	2.34	5.87
32	PIBLKL4	24MAY091257-R171	05/24/2009	1948	2.34	5.87

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLP ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.35 DCB: 5.88

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	PIBLKL5	24MAY091257-R181	05/24/2009	2000	2.34	5.87
34	INDC3K2	24MAY091257-R191	05/24/2009	2011	2.33	5.87
35	E2QQ1MS	24MAY091257-R201	05/24/2009	2023	2.35	5.90
36	PIBLKL6	24MAY091257-R211	05/24/2009	2035	2.33	5.87
37	E2QQ1MSD	24MAY091257-R221	05/24/2009	2046	2.34	5.89
38	PIBLKL7	24MAY091257-R231	05/24/2009	2058	2.34	5.87
39	E2QQ6	24MAY091257-R241	05/24/2009	2109	2.35	5.89
40	PIBLKL8	24MAY091257-R251	05/24/2009	2121	2.34	5.87
41	ZZZZZ	24MAY091257-R261	05/24/2009	2133	2.35	5.89
42	PIBLKL9	24MAY091257-R271	05/24/2009	2144	2.34	5.87
43	E2QR1	24MAY091257-R281	05/24/2009	2156	2.34	5.87
44	PIBLKM1	24MAY091257-R291	05/24/2009	2207	2.34	5.88
45	E2QR8	24MAY091257-R301	05/24/2009	2219	2.34	5.88
46	PIBLKM2	24MAY091257-R311	05/24/2009	2230	2.34	5.87
47	E2QS0	24MAY091257-R321	05/24/2009	2242	2.34	5.89
48	PIBLKM3	24MAY091257-R331	05/24/2009	2254	2.34	5.87
49	PIBLKM4	24MAY091257-R341	05/24/2009	2305	2.34	5.88
50	PIBLKM5	24MAY091257-R351	05/24/2009	2317	2.34	5.88
51	PEMK3	24MAY091257-R361	05/24/2009	2328	2.34	5.88
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QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

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

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8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.85 DCB: 6.84

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	PIBLKK3	24MAY091248-R031	05/24/2009	1349	2.85	6.84
02	RESCK1	24MAY091248-R041	05/24/2009	1401	2.85	6.84
03	PEMK1	24MAY091248-R051	05/24/2009	1413	2.85	6.85
04	TOXAPH1K1	24MAY091248-R061	05/24/2009	1424	2.85	6.84
05	TOXAPH2K1	24MAY091248-R071	05/24/2009	1436	2.83	6.82
06	TOXAPH3K1	24MAY091248-R081	05/24/2009	1448	2.85	6.84
07	TOXAPH4K1	24MAY091248-R091	05/24/2009	1459	2.83	6.82
08	TOXAPH5K1	24MAY091248-R101	05/24/2009	1511	2.85	6.84
09	INDC1K1	24MAY091248-R111	05/24/2009	1522	2.85	6.84
10	INDC2K1	24MAY091248-R121	05/24/2009	1534	2.85	6.85
11	INDC3K1	24MAY091248-R131	05/24/2009	1545	2.85	6.84
12	INDC4K1	24MAY091248-R141	05/24/2009	1557	2.85	6.84
13	INDC5K1	24MAY091248-R151	05/24/2009	1608	2.84	6.83
14	PIBLKK4	24MAY091248-R161	05/24/2009	1620	2.84	6.83
15	PEMK2	24MAY091248-R171	05/24/2009	1631	2.84	6.83
16	E2QQ3	24MAY091257-R011	05/24/2009	1643	2.84	6.83
17	PIBLKK5	24MAY091257-R021	05/24/2009	1654	2.85	6.84
18	E2QQ4	24MAY091257-R031	05/24/2009	1706	2.84	6.83
19	PIBLKK6	24MAY091257-R041	05/24/2009	1717	2.84	6.83
20	E2QQ5	24MAY091257-R051	05/24/2009	1729	2.84	6.84
21	PIBLKK7	24MAY091257-R061	05/24/2009	1741	2.84	6.83
22	E2QQ7	24MAY091257-R071	05/24/2009	1752	2.83	6.82
23	PIBLKK8	24MAY091257-R081	05/24/2009	1804	2.84	6.83
24	E2QQ8	24MAY091257-R091	05/24/2009	1815	2.84	6.83
25	PIBLKK9	24MAY091257-R101	05/24/2009	1827	2.83	6.82
26	E2QR5	24MAY091257-R111	05/24/2009	1839	2.84	6.83
27	PIBLKL1	24MAY091257-R121	05/24/2009	1850	2.84	6.83
28	E2QR7	24MAY091257-R131	05/24/2009	1902	2.84	6.83
29	PIBLKL2	24MAY091257-R141	05/24/2009	1913	2.83	6.82
30	E2QS1	24MAY091257-R151	05/24/2009	1925	2.83	6.83
31	PIBLKL3	24MAY091257-R161	05/24/2009	1937	2.84	6.83
32	PIBLKL4	24MAY091257-R171	05/24/2009	1948	2.83	6.83

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

8G - FORM VIII PEST
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-CLPII ID: 0.32 (mm) Init. Calib. Date(s): 05/24/2009 05/24/2009

Instrument ID: 0825_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.85 DCB: 6.84

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	PIBLKL5	24MAY091257-R181	05/24/2009	2000	2.84	6.83
34	INDC3K2	24MAY091257-R191	05/24/2009	2011	2.83	6.82
35	E2QQ1MS	24MAY091257-R201	05/24/2009	2023	2.84	6.84
36	PIBLKL6	24MAY091257-R211	05/24/2009	2035	2.85	6.84
37	E2QQ1MSD	24MAY091257-R221	05/24/2009	2046	2.85	6.85
38	PIBLKL7	24MAY091257-R231	05/24/2009	2058	2.84	6.83
39	E2QQ6	24MAY091257-R241	05/24/2009	2109	2.85	6.85
40	PIBLKL8	24MAY091257-R251	05/24/2009	2121	2.83	6.82
41	ZZZZZ	24MAY091257-R261	05/24/2009	2133	2.85	6.85
42	PIBLKL9	24MAY091257-R271	05/24/2009	2144	2.83	6.82
43	E2QR1	24MAY091257-R281	05/24/2009	2156	2.84	6.83
44	PIBLKM1	24MAY091257-R291	05/24/2009	2207	2.84	6.83
45	E2QR8	24MAY091257-R301	05/24/2009	2219	2.84	6.83
46	PIBLKM2	24MAY091257-R311	05/24/2009	2230	2.83	6.82
47	E2QS0	24MAY091257-R321	05/24/2009	2242	2.84	6.84
48	PIBLKM3	24MAY091257-R331	05/24/2009	2254	2.84	6.83
49	PIBLKM4	24MAY091257-R341	05/24/2009	2305	2.84	6.83
50	PIBLKM5	24MAY091257-R351	05/24/2009	2317	2.84	6.83
51	PEMK3	24MAY091257-R361	05/24/2009	2328	2.84	6.83
52						
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QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

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

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701

Sample wt/vol: 29.9 (g/mL) g Lab File ID: 22MAY091621-R031

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	11	U
319-85-7	beta-BHC	11	U
319-86-8	delta-BHC	11	U
58-89-9	gamma-BHC (Lindane)	6.5	JP
76-44-8	Heptachlor	17	P
309-00-2	Aldrin	38	P
1024-57-3	Heptachlor epoxide	11	U
959-98-8	Endosulfan I	9.0	JP
60-57-1	Dieldrin	16	J
72-55-9	4,4'-DDE	21	P
72-20-8	Endrin	21	U
33213-65-9	Endosulfan II	21	U
72-54-8	4,4'-DDD	51	
1031-07-8	Endosulfan sulfate	34	P
50-29-3	4,4'-DDT	34	P
72-43-5	Methoxychlor	63	JP
53494-70-5	Endrin ketone	22	P
7421-93-4	Endrin aldehyde	18	JP
5103-71-9	alpha-Chlordane	6.1	JP
5103-74-2	gamma-Chlordane	32	P
8001-35-2	Toxaphene	1100	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS(1)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 29.5 (g/mL) g Lab File ID: 24MAY091257-R201

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	27	U
319-85-7	beta-BHC	27	U
319-86-8	delta-BHC	27	U
58-89-9	gamma-BHC (Lindane)	39	
76-44-8	Heptachlor	80	
309-00-2	Aldrin	25	J
1024-57-3	Heptachlor epoxide	27	U
959-98-8	Endosulfan I	55	P
60-57-1	Dieldrin	78	
72-55-9	4,4'-DDE	97	P
72-20-8	Endrin	56	
33213-65-9	Endosulfan II	52	U
72-54-8	4,4'-DDD	96	
1031-07-8	Endosulfan sulfate	110	P
50-29-3	4,4'-DDT	88	P
72-43-5	Methoxychlor	270	U
53494-70-5	Endrin ketone	36	J P
7421-93-4	Endrin aldehyde	29	J P
5103-71-9	alpha-Chlordane	27	U
5103-74-2	gamma-Chlordane	57	P
8001-35-2	Toxaphene	2700	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS(2)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 29.5 (g/mL) g Lab File ID: 24MAY091257-R201

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

ACA 6-25-09

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	27	U
319-85-7	beta-BHC	27	U
319-86-8	delta-BHC	27	U
58-89-9	gamma-BHC (Lindane)	42	
76-44-8	Heptachlor	89	
309-00-2	Aldrin	29	
1024-57-3	Heptachlor epoxide	27	U
959-98-8	Endosulfan I	18	J P
60-57-1	Dieldrin	92	
72-55-9	4,4'-DDE	47	J P
72-20-8	Endrin	70	
33213-65-9	Endosulfan II	52	U
72-54-8	4,4'-DDD	100	
1031-07-8	Endosulfan sulfate	52	J P
50-29-3	4,4'-DDT	140	P
72-43-5	Methoxychlor	270	U
53494-70-5	Endrin ketone	51	J P
7421-93-4	Endrin aldehyde	90	P
5103-71-9	alpha-Chlordane	27	U
5103-74-2	gamma-Chlordane	110	P
8001-35-2	Toxaphene	2700	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD(1)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 24MAY091257-R221

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

ACA 6-25-09

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	27	U
319-85-7	beta-BHC	27	U
319-86-8	delta-BHC	27	U
58-89-9	gamma-BHC (Lindane)	29	
76-44-8	Heptachlor	54	
309-00-2	Aldrin	23	J
1024-57-3	Heptachlor epoxide	27	U
959-98-8	Endosulfan I	27	U
60-57-1	Dieldrin	77	
72-55-9	4,4'-DDE	69	P
72-20-8	Endrin	57	
33213-65-9	Endosulfan II	52	U
72-54-8	4,4'-DDD	57	
1031-07-8	Endosulfan sulfate	69	P
50-29-3	4,4'-DDT	75	P
72-43-5	Methoxychlor	270	U
53494-70-5	Endrin ketone	52	U
7421-93-4	Endrin aldehyde	52	U
5103-71-9	alpha-Chlordane	27	U
5103-74-2	gamma-Chlordane	44	P
8001-35-2	Toxaphene	2700	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD(2)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 24MAY091257-R221

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

ACH 6-25-09

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	27	U
319-85-7	beta-BHC	27	U
319-86-8	delta-BHC	27	U
58-89-9	gamma-BHC (Lindane)	34	
76-44-8	Heptachlor	57	
309-00-2	Aldrin	26	J
1024-57-3	Heptachlor epoxide	27	U
959-98-8	Endosulfan I	27	U
60-57-1	Dieldrin	74	
72-55-9	4,4'-DDE	27	JP
72-20-8	Endrin	64	
33213-65-9	Endosulfan II	52	U
72-54-8	4,4'-DDD	62	
1031-07-8	Endosulfan sulfate	31	JP
50-29-3	4,4'-DDT	110	P
72-43-5	Methoxychlor	270	U
53494-70-5	Endrin ketone	52	U
7421-93-4	Endrin aldehyde	52	U
5103-71-9	alpha-Chlordane	27	U
5103-74-2	gamma-Chlordane	76	P
8001-35-2	Toxaphene	2700	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 22MAY091621-R041

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 2.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	17	JP
319-85-7	beta-BHC	24	U
319-86-8	delta-BHC	24	U
58-89-9	gamma-BHC (Lindane)	19	JP
76-44-8	Heptachlor	57	P
309-00-2	Aldrin	91	P
1024-57-3	Heptachlor epoxide	190	P
959-98-8	Endosulfan I	23	JP
60-57-1	Dieldrin	41	J
72-55-9	4,4'-DDE	75	
72-20-8	Endrin	25	JP
33213-65-9	Endosulfan II	85	P
72-54-8	4,4'-DDD	96	
1031-07-8	Endosulfan sulfate	59	P
50-29-3	4,4'-DDT	69	P
72-43-5	Methoxychlor	180	JP
53494-70-5	Endrin ketone	55	P
7421-93-4	Endrin aldehyde	67	P
5103-71-9	alpha-Chlordane	16	JP
5103-74-2	gamma-Chlordane	120	P
8001-35-2	Toxaphene	2400	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R011

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	8.0	U
319-85-7	beta-BHC	8.0	U
319-86-8	delta-BHC	8.0	U
58-89-9	gamma-BHC (Lindane)	8.0	U
76-44-8	Heptachlor	8.0	U
309-00-2	Aldrin	8.0	U
1024-57-3	Heptachlor epoxide	8.5	P
959-98-8	Endosulfan I	8.0	U
60-57-1	Dieldrin	15	U
72-55-9	4,4'-DDE	150	
72-20-8	Endrin	15	U
33213-65-9	Endosulfan II	15	U
72-54-8	4,4'-DDD	160	
1031-07-8	Endosulfan sulfate	15	U
50-29-3	4,4'-DDT	57	
72-43-5	Methoxychlor	80	U
53494-70-5	Endrin ketone	15	U
7421-93-4	Endrin aldehyde	15	U
5103-71-9	alpha-Chlordane	4.2	JP
5103-74-2	gamma-Chlordane	8.0	U
8001-35-2	Toxaphene	800	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794704

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 24MAY091257-R031

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.7 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	5.5	U
319-85-7	beta-BHC	5.5	U
319-86-8	delta-BHC	5.5	U
58-89-9	gamma-BHC (Lindane)	5.5	U
76-44-8	Heptachlor	5.5	U
309-00-2	Aldrin	5.5	U
1024-57-3	Heptachlor epoxide	3.4	JP
959-98-8	Endosulfan I	5.5	U
60-57-1	Dieldrin	11	U
72-55-9	4,4'-DDE	53	
72-20-8	Endrin	11	U
33213-65-9	Endosulfan II	11	U
72-54-8	4,4'-DDD	100	
1031-07-8	Endosulfan sulfate	11	U
50-29-3	4,4'-DDT	26	
72-43-5	Methoxychlor	55	U
53494-70-5	Endrin ketone	11	U
7421-93-4	Endrin aldehyde	11	U
5103-71-9	alpha-Chlordane	5.5	U
5103-74-2	gamma-Chlordane	5.5	U
8001-35-2	Toxaphene	550	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794705

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 24MAY091257-R051

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.1 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	4.1	U
319-85-7	beta-BHC	4.1	U
319-86-8	delta-BHC	4.1	U
58-89-9	gamma-BHC (Lindane)	4.1	U
76-44-8	Heptachlor	4.1	U
309-00-2	Aldrin	4.1	U
1024-57-3	Heptachlor epoxide	4.1	U
959-98-8	Endosulfan I	4.1	U
60-57-1	Dieldrin	7.9	U
72-55-9	4,4'-DDE	7.9	U
72-20-8	Endrin	7.9	U
33213-65-9	Endosulfan II	7.9	U
72-54-8	4,4'-DDD	7.9	U
1031-07-8	Endosulfan sulfate	7.9	U
50-29-3	4,4'-DDT	7.9	U
72-43-5	Methoxychlor	41	U
53494-70-5	Endrin ketone	7.9	U
7421-93-4	Endrin aldehyde	7.9	U
5103-71-9	alpha-Chlordane	4.1	U
5103-74-2	gamma-Chlordane	4.8	P
8001-35-2	Toxaphene	410	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R241

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	4.3	U
319-85-7	beta-BHC	4.3	U
319-86-8	delta-BHC	4.3	U
58-89-9	gamma-BHC (Lindane)	4.3	U
76-44-8	Heptachlor	4.3	U
309-00-2	Aldrin	4.3	U
1024-57-3	Heptachlor epoxide	4.3	U
959-98-8	Endosulfan I	4.3	U
60-57-1	Dieldrin	8.3	U
72-55-9	4,4'-DDE	8.3	U
72-20-8	Endrin	8.3	U
33213-65-9	Endosulfan II	8.3	U
72-54-8	4,4'-DDD	8.3	U
1031-07-8	Endosulfan sulfate	4.5	JP
50-29-3	4,4'-DDT	8.3	U
72-43-5	Methoxychlor	43	U
53494-70-5	Endrin ketone	4.4	J
7421-93-4	Endrin aldehyde	5.4	J
5103-71-9	alpha-Chlordane	4.3	P
5103-74-2	gamma-Chlordane	3.5	JP
8001-35-2	Toxaphene	430	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794707

Sample wt/vol: 29.9 (g/mL) g Lab File ID: 24MAY091257-R071

% Moisture: 78 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	7.7	U
319-85-7	beta-BHC	7.7	U
319-86-8	delta-BHC	7.7	U
58-89-9	gamma-BHC (Lindane)	7.7	U
76-44-8	Heptachlor	7.7	U
309-00-2	Aldrin	7.7	U
1024-57-3	Heptachlor epoxide	7.7	U
959-98-8	Endosulfan I	7.7	U
60-57-1	Dieldrin	15	U
72-55-9	4,4'-DDE	15	U
72-20-8	Endrin	15	U
33213-65-9	Endosulfan II	15	U
72-54-8	4,4'-DDD	15	U
1031-07-8	Endosulfan sulfate	15	U
50-29-3	4,4'-DDT	15	U
72-43-5	Methoxychlor	77	U
53494-70-5	Endrin ketone	15	U
7421-93-4	Endrin aldehyde	15	U
5103-71-9	alpha-Chlordane	7.7	U
5103-74-2	gamma-Chlordane	7.7	U
8001-35-2	Toxaphene	770	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794708

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R091

% Moisture: 80 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	8.4	U
319-85-7	beta-BHC	8.4	U
319-86-8	delta-BHC	8.4	U
58-89-9	gamma-BHC (Lindane)	8.4	U
76-44-8	Heptachlor	8.4	U
309-00-2	Aldrin	8.4	U
1024-57-3	Heptachlor epoxide	8.4	U
959-98-8	Endosulfan I	8.4	U
60-57-1	Dieldrin	16	U
72-55-9	4,4'-DDE	16	U
72-20-8	Endrin	16	U
33213-65-9	Endosulfan II	16	U
72-54-8	4,4'-DDD	16	U
1031-07-8	Endosulfan sulfate	16	U
50-29-3	4,4'-DDT	16	U
72-43-5	Methoxychlor	84	U
53494-70-5	Endrin ketone	16	U
7421-93-4	Endrin aldehyde	16	U
5103-71-9	alpha-Chlordane	8.4	U
5103-74-2	gamma-Chlordane	8.4	U
8001-35-2	Toxaphene	840	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 24MAY091257-R281

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	16	U
319-85-7	beta-BHC	15	JP
319-86-8	delta-BHC	12	JP
58-89-9	gamma-BHC (Lindane)	16	U
76-44-8	Heptachlor	16	U
309-00-2	Aldrin	16	U
1024-57-3	Heptachlor epoxide	20	P
959-98-8	Endosulfan I	12	JP
60-57-1	Dieldrin	30	U
72-55-9	4,4'-DDE	73	
72-20-8	Endrin	30	U
33213-65-9	Endosulfan II	30	U
72-54-8	4,4'-DDD	30	U
1031-07-8	Endosulfan sulfate	30	U
50-29-3	4,4'-DDT	52	
72-43-5	Methoxychlor	160	U
53494-70-5	Endrin ketone	30	U
7421-93-4	Endrin aldehyde	30	U
5103-71-9	alpha-Chlordane	16	U
5103-74-2	gamma-Chlordane	52	P
8001-35-2	Toxaphene	1600	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794710

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 22MAY091621-R051

% Moisture: 65 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	15	U
319-85-7	beta-BHC	11	JP
319-86-8	delta-BHC	10	JP
58-89-9	gamma-BHC (Lindane)	15	U
76-44-8	Heptachlor	15	U
309-00-2	Aldrin	46	P
1024-57-3	Heptachlor epoxide	17	P
959-98-8	Endosulfan I	10	JP
60-57-1	Dieldrin	29	U
72-55-9	4,4'-DDE	29	U
72-20-8	Endrin	29	U
33213-65-9	Endosulfan II	29	U
72-54-8	4,4'-DDD	29	U
1031-07-8	Endosulfan sulfate	29	U
50-29-3	4,4'-DDT	21	JP
72-43-5	Methoxychlor	150	U
53494-70-5	Endrin ketone	29	U
7421-93-4	Endrin aldehyde	29	U
5103-71-9	alpha-Chlordane	15	U
5103-74-2	gamma-Chlordane	15	U
8001-35-2	Toxaphene	1500	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711

Sample wt/vol: 29.6 (g/mL) g Lab File ID: 22MAY091621-R061

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	54	U
319-85-7	beta-BHC	52	JP
319-86-8	delta-BHC	260	P
58-89-9	gamma-BHC (Lindane)	54	U
76-44-8	Heptachlor	88	P
309-00-2	Aldrin	240	P
1024-57-3	Heptachlor epoxide	250	P
959-98-8	Endosulfan I	38	JP
60-57-1	Dieldrin	61	J
72-55-9	4,4'-DDE	63	JP
72-20-8	Endrin	100	U
33213-65-9	Endosulfan II	100	U
72-54-8	4,4'-DDD	55	JP
1031-07-8	Endosulfan sulfate	100	U
50-29-3	4,4'-DDT	76	JP
72-43-5	Methoxychlor	540	U
53494-70-5	Endrin ketone	100	U
7421-93-4	Endrin aldehyde	100	U
5103-71-9	alpha-Chlordane	28	JP
5103-74-2	gamma-Chlordane	160	P
8001-35-2	Toxaphene	5400	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 22MAY091621-R071

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	28	U
319-85-7	beta-BHC	28	U
319-86-8	delta-BHC	190	P
58-89-9	gamma-BHC (Lindane)	20	JP
76-44-8	Heptachlor	65	P
309-00-2	Aldrin	200	P
1024-57-3	Heptachlor epoxide	190	P
959-98-8	Endosulfan I	31	P
60-57-1	Dieldrin	49	J
72-55-9	4,4'-DDE	52	JP
72-20-8	Endrin	55	U
33213-65-9	Endosulfan II	55	U
72-54-8	4,4'-DDD	47	JP
1031-07-8	Endosulfan sulfate	55	U
50-29-3	4,4'-DDT	60	P
72-43-5	Methoxychlor	280	U
53494-70-5	Endrin ketone	34	JP
7421-93-4	Endrin aldehyde	55	U
5103-71-9	alpha-Chlordane	23	JP
5103-74-2	gamma-Chlordane	120	P
8001-35-2	Toxaphene	2800	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794713

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 24MAY091257-R111

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 7.8 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	2.4	U
319-85-7	beta-BHC	2.4	U
319-86-8	delta-BHC	2.4	U
58-89-9	gamma-BHC (Lindane)	2.4	U
76-44-8	Heptachlor	2.4	U
309-00-2	Aldrin	2.4	U
1024-57-3	Heptachlor epoxide	2.4	U
959-98-8	Endosulfan I	2.4	U
60-57-1	Dieldrin	4.6	U
72-55-9	4,4'-DDE	4.6	U
72-20-8	Endrin	4.6	U
33213-65-9	Endosulfan II	4.6	U
72-54-8	4,4'-DDD	4.6	U
1031-07-8	Endosulfan sulfate	4.6	U
50-29-3	4,4'-DDT	4.6	U
72-43-5	Methoxychlor	24	U
53494-70-5	Endrin ketone	4.6	U
7421-93-4	Endrin aldehyde	4.6	U
5103-71-9	alpha-Chlordane	2.4	U
5103-74-2	gamma-Chlordane	2.4	U
8001-35-2	Toxaphene	240	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 22MAY091621-R081

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) Y pH: 7.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	18	U
319-85-7	beta-BHC	19	P
319-86-8	delta-BHC	150	P
58-89-9	gamma-BHC (Lindane)	9.9	JP
76-44-8	Heptachlor	54	P
309-00-2	Aldrin	88	P
1024-57-3	Heptachlor epoxide	140	P
959-98-8	Endosulfan I	14	JP
60-57-1	Dieldrin	24	J
72-55-9	4,4'-DDE	22	JP
72-20-8	Endrin	34	U
33213-65-9	Endosulfan II	34	U
72-54-8	4,4'-DDD	25	JP
1031-07-8	Endosulfan sulfate	34	U
50-29-3	4,4'-DDT	27	JP
72-43-5	Methoxychlor	180	U
53494-70-5	Endrin ketone	34	U
7421-93-4	Endrin aldehyde	34	U
5103-71-9	alpha-Chlordane	19	P
5103-74-2	gamma-Chlordane	59	P
8001-35-2	Toxaphene	1800	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794715

Sample wt/vol: 30.5 (g/mL) g Lab File ID: 24MAY091257-R131

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.1 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	2.2	U
319-85-7	beta-BHC	2.2	U
319-86-8	delta-BHC	2.2	U
58-89-9	gamma-BHC (Lindane)	2.2	U
76-44-8	Heptachlor	2.2	U
309-00-2	Aldrin	2.2	U
1024-57-3	Heptachlor epoxide	2.2	U
959-98-8	Endosulfan I	2.2	U
60-57-1	Dieldrin	4.2	U
72-55-9	4,4'-DDE	4.2	U
72-20-8	Endrin	4.2	U
33213-65-9	Endosulfan II	4.2	U
72-54-8	4,4'-DDD	4.2	U
1031-07-8	Endosulfan sulfate	4.2	U
50-29-3	4,4'-DDT	4.2	JP
72-43-5	Methoxychlor	22	U
53494-70-5	Endrin ketone	4.2	U
7421-93-4	Endrin aldehyde	4.2	U
5103-71-9	alpha-Chlordane	2.2	U
5103-74-2	gamma-Chlordane	2.2	U
8001-35-2	Toxaphene	220	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716

Sample wt/vol: 29.7 (g/mL) g Lab File ID: 24MAY091257-R301

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 8.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	4.1	J
319-85-7	beta-BHC	6.2	U
319-86-8	delta-BHC	6.2	U
58-89-9	gamma-BHC (Lindane)	6.2	U
76-44-8	Heptachlor	6.2	U
309-00-2	Aldrin	6.2	U
1024-57-3	Heptachlor epoxide	6.2	U
959-98-8	Endosulfan I	6.2	U
60-57-1	Dieldrin	12	U
72-55-9	4,4'-DDE	12	U
72-20-8	Endrin	12	U
33213-65-9	Endosulfan II	12	U
72-54-8	4,4'-DDD	12	U
1031-07-8	Endosulfan sulfate	12	U
50-29-3	4,4'-DDT	7.7	JP
72-43-5	Methoxychlor	62	U
53494-70-5	Endrin ketone	7.0	JP
7421-93-4	Endrin aldehyde	6.3	JP
5103-71-9	alpha-Chlordane	4.9	J
5103-74-2	gamma-Chlordane	4.7	JP
8001-35-2	Toxaphene	620	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR9

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717

Sample wt/vol: 29.9 (g/mL) g Lab File ID: 22MAY091621-R091

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 3.0

GPC Cleanup: (Y/N) Y pH: 7.9 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	12	U
319-85-7	beta-BHC	39	P
319-86-8	delta-BHC	95	P
58-89-9	gamma-BHC (Lindane)	13	P
76-44-8	Heptachlor	32	P
309-00-2	Aldrin	170	P
1024-57-3	Heptachlor epoxide	160	P
959-98-8	Endosulfan I	28	P
60-57-1	Dieldrin	41	P
72-55-9	4,4'-DDE	44	P
72-20-8	Endrin	24	U
33213-65-9	Endosulfan II	24	U
72-54-8	4,4'-DDD	87	P
1031-07-8	Endosulfan sulfate	24	U
50-29-3	4,4'-DDT	54	P
72-43-5	Methoxychlor	120	U
53494-70-5	Endrin ketone	23	JP
7421-93-4	Endrin aldehyde	12	JP
5103-71-9	alpha-Chlordane	21	P
5103-74-2	gamma-Chlordane	140	P
8001-35-2	Toxaphene	1200	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS0

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794718

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 24MAY091257-R321

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	67	U
319-85-7	beta-BHC	67	U
319-86-8	delta-BHC	67	U
58-89-9	gamma-BHC (Lindane)	67	U
76-44-8	Heptachlor	67	U
309-00-2	Aldrin	67	U
1024-57-3	Heptachlor epoxide	67	U
959-98-8	Endosulfan I	67	U
60-57-1	Dieldrin	130	U
72-55-9	4,4'-DDE	67	J
72-20-8	Endrin	130	U
33213-65-9	Endosulfan II	130	U
72-54-8	4,4'-DDD	160	
1031-07-8	Endosulfan sulfate	130	U
50-29-3	4,4'-DDT	130	U
72-43-5	Methoxychlor	670	U
53494-70-5	Endrin ketone	130	U
7421-93-4	Endrin aldehyde	130	U
5103-71-9	alpha-Chlordane	67	U
5103-74-2	gamma-Chlordane	67	U
8001-35-2	Toxaphene	6700	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794719

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 24MAY091257-R151

% Moisture: 63 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/24/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	4.6	U
319-85-7	beta-BHC	4.6	U
319-86-8	delta-BHC	4.6	U
58-89-9	gamma-BHC (Lindane)	4.6	U
76-44-8	Heptachlor	4.6	U
309-00-2	Aldrin	4.6	U
1024-57-3	Heptachlor epoxide	4.6	U
959-98-8	Endosulfan I	4.6	U
60-57-1	Dieldrin	9.0	U
72-55-9	4,4'-DDE	9.0	U
72-20-8	Endrin	9.0	U
33213-65-9	Endosulfan II	9.0	U
72-54-8	4,4'-DDD	9.0	U
1031-07-8	Endosulfan sulfate	9.0	U
50-29-3	4,4'-DDT	9.0	U
72-43-5	Methoxychlor	46	U
53494-70-5	Endrin ketone	9.0	U
7421-93-4	Endrin aldehyde	9.0	U
5103-71-9	alpha-Chlordane	4.6	U
5103-74-2	gamma-Chlordane	3.4	JP
8001-35-2	Toxaphene	460	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794720

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 22MAY091621-R101

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	40	U
319-85-7	beta-BHC	40	U
319-86-8	delta-BHC	450	
58-89-9	gamma-BHC (Lindane)	22	JP
76-44-8	Heptachlor	200	P
309-00-2	Aldrin	180	P
1024-57-3	Heptachlor epoxide	330	P
959-98-8	Endosulfan I	40	U
60-57-1	Dieldrin	52	JP
72-55-9	4,4'-DDE	43	JP
72-20-8	Endrin	78	U
33213-65-9	Endosulfan II	78	U
72-54-8	4,4'-DDD	89	
1031-07-8	Endosulfan sulfate	82	P
50-29-3	4,4'-DDT	100	
72-43-5	Methoxychlor	400	U
53494-70-5	Endrin ketone	110	P
7421-93-4	Endrin aldehyde	48	JP
5103-71-9	alpha-Chlordane	26	JP
5103-74-2	gamma-Chlordane	110	P
8001-35-2	Toxaphene	4000	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
PBLKO7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: PBLKO7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 22MAY091621-R011

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/22/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.7	U
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.7	U
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	3.3	U
72-55-9	4,4'-DDE	3.3	U
72-20-8	Endrin	3.3	U
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	3.3	U
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.7	U
8001-35-2	Toxaphene	170	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
PLCSO7(1)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: PLCSO7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 22MAY091621-R021

% Moisture: 0.0 Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	3.1	
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.1	J
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.2	J
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.5	J
72-55-9	4,4'-DDE	2.5	J
72-20-8	Endrin	2.6	J
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	2.6	J
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.3	J
8001-35-2	Toxaphene	170	U

SOM01.2

1G - FORM I PEST
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
PLCSO7(2)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: PLCSO7

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 22MAY091621-R021

% Moisture: 0.0 Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 05/09/2009

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 05/23/2009

Injection Volume: 1.0 (uL) GPC Factor: 2.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 6.2 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
319-84-6	alpha-BHC	1.7	U
319-85-7	beta-BHC	1.7	U
319-86-8	delta-BHC	1.7	U
58-89-9	gamma-BHC (Lindane)	1.2	J
76-44-8	Heptachlor	1.7	U
309-00-2	Aldrin	1.7	U
1024-57-3	Heptachlor epoxide	1.3	J
959-98-8	Endosulfan I	1.7	U
60-57-1	Dieldrin	2.5	J
72-55-9	4,4'-DDE	2.5	J
72-20-8	Endrin	2.6	J
33213-65-9	Endosulfan II	3.3	U
72-54-8	4,4'-DDD	3.3	U
1031-07-8	Endosulfan sulfate	2.6	J
50-29-3	4,4'-DDT	3.3	U
72-43-5	Methoxychlor	17	U
53494-70-5	Endrin ketone	3.3	U
7421-93-4	Endrin aldehyde	3.3	U
5103-71-9	alpha-Chlordane	1.7	U
5103-74-2	gamma-Chlordane	1.3	J
8001-35-2	Toxaphene	170	U

SOM01.2

2R - FORM II ARO-2
SOIL AROCLOR SURROGATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column(1):RTX-5 ID:0.25 (mm) GC Column(2):RTX-35 ID:0.25 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	ABLKQ3	100	105	102	104			0
02	ALCSQ3	96	106	104	104			0
03	E2QQ3	101	105	86	87			0
04	E2QQ4	101	102	78	83			0
05	E2QQ5	97	103	58	59			0
06	E2QQ6	70	67	17*	17*			2
07	E2QQ7	111	122	60	57			0
08	E2QQ8	101	101	63	60			0
09	E2QR1	103	106	58	58			0
10	E2QR2	94	94	52	53			0
11	E2QR3	127	106	66	70			0
12	E2QR4	132	110	70	73			0
13	E2QR5	110	114	75	74			0
14	E2QR7	107	111	69	64			0
15	E2QR8	100	100	45	43			0
16	E2QS1	106	109	54	53			0
17	E2QQ1	123	* 161D	55	60			0
18	E2QQ1MS	121	* 153D	46	47			0
19	E2QQ1MSD	115	* 155D	46	49			0
20	E2QQ2	123	99	* 29D	31			0
21	E2QR6	139	* 213D	68	72			0
22	E2QR9	115	105	63	69			0
23	E2QS0	* 238D	56	* 10D	* 10D			0
24	E2QS2	* 0D	* 0D	* 0D	* 0D			0
25								
26								
27								
28								
29								
30								

	QC LIMITS
TCX = Tetrachloro-m-xylene	(30-150)
DCB = Decachlorobiphenyl	(30-150)

\# Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

Page 1 of 1 SOM01.2

3K - FORM III ARO-2
SOIL AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1

Instrument ID: 5253_2.i GC Column: RTX-35 ID: 0.25(mm)

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	410	0	0.0	0*	29-135
Aroclor-1260	410	1400	1400	0*	29-135

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	420	0.0	0*		0-15	29-135
Aroclor-1260	420	1700	71	200*	0-20	29-135

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 3 out of 4 outside limits

COMMENTS: _____

SOM01.2

3K - FORM III ARO-2
SOIL AROCLOR MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix Spike - EPA Sample No.: E2QQ1

Instrument ID: 5253_1.i GC Column: RTX-5 ID: 0.25(mm)

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENTRATION (ug/kg)	MS CONCENTRATION (ug/kg)	MS % REC #	QC. LIMITS REC.
Aroclor-1016	410	0	0.0	0*	29-135
Aroclor-1260	410	1700	1700	0*	29-135

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENTRATION (ug/kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Aroclor-1016	420	0.0	0*		0-15	29-135
Aroclor-1260	420	2100	95	200*	0-20	29-135

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 1 out of 2 outside limits
Spike Recovery: 3 out of 4 outside limits

COMMENTS: _____

SOM01.2

3P - FORM III ARO-4
SOIL AROCLOR LABORATORY CONTROL
SAMPLE RECOVERY

EPA SAMPLE NO.
ALCSQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab Sample ID: ALCSQ3 LCS Lot No.:

Date Extracted: 05/08/2009 Date Analyzed (1): 05/16/2009

Instrument ID (1): 5253_1.i GC Column (1): RTX-5 ID: 0.25(mm)

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
AR1016	33	44	133	50-150
AR1260	33	37	112	50-150

Instrument ID (2): 5253_2.i GC Column (2): RTX-35 ID: 0.25(mm)

Date analyzed (2): 05/16/2009

COMPOUND	AMOUNT ADDED (ug/kg)	AMOUNT RECOVERED (ug/kg)	%REC #	QC LIMITS
AR1016	33	40	121	50-150
AR1260	33	37	112	50-150

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

LCS Recovery: 0 out of 4 outside limits.

COMMENTS: _____

SOM01.2

4F - FORM IV ARO
AROCLOR METHOD BLANK SUMMARY

EPA SAMPLE NO.
ABLKQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Lab File ID: 15MAY091517-R011 Lab Sample ID: ABLKQ3

Matrix:(SOIL/SED/WATER) Soil Extraction:(Type) SONC Date Extracted: 05/08/2009

Sulfur Cleanup: (Y/N) Y GPC Cleanup: (Y/N) N

Acid Cleanup: (Y/N) Y

Date Analyzed (1): 05/16/2009 Date Analyzed (2): 05/16/2009

Time Analyzed (1): 0307 Time Analyzed (2): 0307

Instrument ID (1): 5253_1.i Instrument ID (2): 5253_2.i

GC Column(1): RTX-5 ID: 0.25 (mm) GC Column(2): RTX-35 ID: 0.25 (mm)

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED (1)	DATE ANALYZED (2)
01	ALCSQ3	ALCSQ3	05/16/2009	05/16/2009
02	E2QQ3	794703	05/16/2009	05/16/2009
03	E2QQ4	794704	05/16/2009	05/16/2009
04	E2QQ5	794705	05/16/2009	05/16/2009
05	E2QQ6	794706	05/16/2009	05/16/2009
06	E2QQ7	794707	05/16/2009	05/16/2009
07	E2QQ8	794708	05/16/2009	05/16/2009
08	E2QR1	794709	05/16/2009	05/16/2009
09	E2QR2	794710	05/16/2009	05/16/2009
10	E2QR3	794711	05/16/2009	05/16/2009
11	E2QR4	794712	05/16/2009	05/16/2009
12	E2QR5	794713	05/16/2009	05/16/2009
13	E2QR7	794715	05/16/2009	05/16/2009
14	E2QR8	794716	05/16/2009	05/16/2009
15	E2QS1	794719	05/16/2009	05/16/2009
16	E2QQ1	794701	05/18/2009	05/18/2009
17	E2QQ1MS	794701MS	05/18/2009	05/18/2009
18	E2QQ1MSD	794701MD	05/18/2009	05/18/2009
19	E2QQ2	794702	05/18/2009	05/18/2009
20	E2QR6	794714	05/18/2009	05/18/2009
21	E2QR9	794717	05/18/2009	05/18/2009
22	E2QS0	794718	05/18/2009	05/18/2009
23	E2QS2	794720	05/18/2009	05/18/2009
24				
25				
26				

COMMENTS: _____

Page 1 of 1 SOM01.2

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 05/15/2009 05/16/2009

Instrument ID: 5253_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.44 DCB: 15.98

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR12213G1	15MAY091509-R041	05/15/2009	1624	5.44	15.98
02	AR12323G1	15MAY091509-R051	05/15/2009	1648	5.44	15.99
03	AR12421G1	15MAY091509-R061	05/15/2009	1712	5.45	15.99
04	AR12422G1	15MAY091509-R071	05/15/2009	1736	5.45	15.99
05	AR12423G1	15MAY091509-R081	05/15/2009	1800	5.44	15.99
06	AR12424G1	15MAY091509-R091	05/15/2009	1823	5.44	15.98
07	AR12425G1	15MAY091509-R101	05/15/2009	1847	5.43	15.97
08	AR12481G1	15MAY091509-R111	05/15/2009	1911	5.44	15.98
09	AR12482G1	15MAY091509-R121	05/15/2009	1935	5.44	15.98
10	AR12483G1	15MAY091509-R131	05/15/2009	1958	5.44	15.98
11	AR12484G1	15MAY091509-R141	05/15/2009	2022	5.44	15.98
12	AR12485G1	15MAY091509-R151	05/15/2009	2046	5.44	15.98
13	AR12541G1	15MAY091509-R161	05/15/2009	2110	5.43	15.98
14	AR12542G1	15MAY091509-R171	05/15/2009	2134	5.44	15.98
15	AR12543G1	15MAY091509-R181	05/15/2009	2157	5.44	15.98
16	AR12544G1	15MAY091509-R191	05/15/2009	2221	5.44	15.98
17	AR12545G1	15MAY091509-R201	05/15/2009	2245	5.44	15.98
18	AR12623G1	15MAY091509-R211	05/15/2009	2309	5.45	15.99
19	AR12683G1	15MAY091509-R221	05/15/2009	2333	5.45	15.99
20	AIBLKG4	15MAY091509-R231	05/15/2009	2357	5.45	15.98
21	AR16601G1	15MAY091509-R241	05/16/2009	0020	5.45	15.99
22	AR16602G1	15MAY091509-R251	05/16/2009	0045	5.44	15.98
23	AR16603G1	15MAY091509-R261	05/16/2009	0108	5.45	15.99
24	AR16604G1	15MAY091509-R271	05/16/2009	0132	5.43	15.97
25	AR16605G1	15MAY091509-R281	05/16/2009	0156	5.44	15.98
26	AIBLKG5	15MAY091509-R291	05/16/2009	0220	5.44	15.98
27	AR16603G2	15MAY091509-R301	05/16/2009	0244	5.44	15.98
28	ABLKQ3	15MAY091517-R011	05/16/2009	0307	5.44	15.98
29	ALCSQ3	15MAY091517-R021	05/16/2009	0331	5.43	15.97
30	E2QQ3	15MAY091517-R031	05/16/2009	0355	5.45	15.98
31	E2QQ4	15MAY091517-R041	05/16/2009	0419	5.45	15.99
32	E2QQ5	15MAY091517-R051	05/16/2009	0443	5.44	15.99

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 05/15/2009 05/16/2009

Instrument ID: 5253_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.44 DCB: 15.98

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	E2QQ6	15MAY091517-R061	05/16/2009	0506	5.46	16.01
34	E2QQ7	15MAY091517-R071	05/16/2009	0530	5.45	15.99
35	E2QQ8	15MAY091517-R081	05/16/2009	0554	5.46	15.99
36	E2QR1	15MAY091517-R091	05/16/2009	0618	5.45	15.99
37	E2QR2	15MAY091517-R101	05/16/2009	0642	5.45	15.99
38	E2QR3	15MAY091517-R111	05/16/2009	0705	5.44	15.97
39	E2QR4	15MAY091517-R121	05/16/2009	0729	5.45	15.99
40	E2QR5	15MAY091517-R131	05/16/2009	0753	5.45	15.99
41	E2QR7	15MAY091517-R141	05/16/2009	0817	5.44	15.97
42	E2QR8	15MAY091517-R151	05/16/2009	0841	5.44	15.98
43	E2QS1	15MAY091517-R161	05/16/2009	0904	5.45	15.98
44	AIBLKG6	15MAY091517-R171	05/16/2009	0928	5.44	15.98
45	AIBLKG7	15MAY091517-R181	05/16/2009	0952	5.45	15.98
46	AR16603G3	15MAY091517-R191	05/16/2009	1016	5.45	15.98
47	AR12423G2	15MAY091517-R201	05/16/2009	1040	5.45	15.99
48	AR12483G2	15MAY091517-R211	05/16/2009	1103	5.45	15.98
49	AR12543G2	15MAY091517-R221	05/16/2009	1127	5.45	15.98
50	AIBLKH9	18MAY090735-R021	05/18/2009	0821	5.44	15.98
51	AR16603G5	18MAY090735-R031	05/18/2009	0845	5.44	15.98
52	AR12423G4	18MAY090735-R041	05/18/2009	0909	5.44	15.98
53	AR12483G4	18MAY090735-R051	05/18/2009	0933	5.45	15.99
54	AR12543G4	18MAY090735-R061	05/18/2009	0957	5.44	15.98
55	E2QQ1	18MAY091007-R011	05/18/2009	1020	5.45	16.00
56	AIBLKI1	18MAY091007-R021	05/18/2009	1044	5.45	15.99
57	E2QQ1MS	18MAY091007-R031	05/18/2009	1108	5.46	16.00
58	AIBLKI2	18MAY091007-R041	05/18/2009	1132	5.45	15.99
59	E2QQ1MSD	18MAY091007-R051	05/18/2009	1155	5.44	15.99
60	AIBLKI3	18MAY091007-R061	05/18/2009	1219	5.45	15.99
61	E2QQ2	18MAY091007-R071	05/18/2009	1243	5.44	15.99
62	AIBLKI4	18MAY091007-R081	05/18/2009	1307	5.44	15.98
63	E2QR6	18MAY091007-R091	05/18/2009	1331	5.44	15.98
64	AIBLKI5	18MAY091007-R101	05/18/2009	1355	5.44	15.98

	QC LIMITS
TCX = Tetrachloro-m-xylene	(± 0.05 MINUTES)
DCB = Decachlorobiphenyl	(± 0.10 MINUTES)

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

8H. - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-5 ID: 0.25 (mm) Init. Calib. Date(s): 05/15/2009 05/16/2009

Instrument ID: 5253_1.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.44 DCB: 15.98

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
65	E2QR9	18MAY091007-R111	05/18/2009	1418	5.45	15.98
66	AIBLKI6	18MAY091007-R121	05/18/2009	1442	5.44	15.98
67	E2QS0	18MAY091007-R131	05/18/2009	1506	5.46	16.01
68	AIBLKI7	18MAY091007-R141	05/18/2009	1530	5.45	15.98
69	E2QS2	18MAY091007-R151	05/18/2009	1554		
70	AIBLKI8	18MAY091007-R161	05/18/2009	1618	5.44	15.98
71	AIBLKI9	18MAY091007-R171	05/18/2009	1641	5.45	15.98
72	AR16603G6	18MAY091007-R181	05/18/2009	1705	5.45	15.99
73	AR12423G5	18MAY091007-R191	05/18/2009	1729	5.45	15.99
74	AR12483G5	18MAY091007-R201	05/18/2009	1753	5.45	15.99
75	AR12543G5	18MAY091007-R211	05/18/2009	1817	5.45	15.99
76						
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90						
91						
92						
93						
94						
95						
96						

TCX = Tetrachloro-m-xylene
DCB = Decachlorobiphenyl

QC LIMITS
(± 0.05 MINUTES)
(± 0.10 MINUTES)

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

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 05/15/2009 05/16/2009

Instrument ID: 5253_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.53 DCB: 16.64

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	AR12213G1	15MAY091509-R041	05/15/2009	1624	5.54	16.65
02	AR12323G1	15MAY091509-R051	05/15/2009	1648	5.54	16.64
03	AR12421G1	15MAY091509-R061	05/15/2009	1712	5.54	16.65
04	AR12422G1	15MAY091509-R071	05/15/2009	1736	5.53	16.64
05	AR12423G1	15MAY091509-R081	05/15/2009	1800	5.54	16.65
06	AR12424G1	15MAY091509-R091	05/15/2009	1823	5.54	16.65
07	AR12425G1	15MAY091509-R101	05/15/2009	1847	5.53	16.64
08	AR12481G1	15MAY091509-R111	05/15/2009	1911	5.53	16.63
09	AR12482G1	15MAY091509-R121	05/15/2009	1935	5.52	16.63
10	AR12483G1	15MAY091509-R131	05/15/2009	1958	5.53	16.64
11	AR12484G1	15MAY091509-R141	05/15/2009	2022	5.54	16.64
12	AR12485G1	15MAY091509-R151	05/15/2009	2046	5.52	16.63
13	AR12541G1	15MAY091509-R161	05/15/2009	2110	5.52	16.63
14	AR12542G1	15MAY091509-R171	05/15/2009	2134	5.53	16.64
15	AR12543G1	15MAY091509-R181	05/15/2009	2157	5.53	16.64
16	AR12544G1	15MAY091509-R191	05/15/2009	2221	5.53	16.64
17	AR12545G1	15MAY091509-R201	05/15/2009	2245	5.53	16.64
18	AR12623G1	15MAY091509-R211	05/15/2009	2309	5.54	16.65
19	AR12683G1	15MAY091509-R221	05/15/2009	2333	5.54	16.65
20	AIBLKG4	15MAY091509-R231	05/15/2009	2357	5.54	16.65
21	AR16601G1	15MAY091509-R241	05/16/2009	0020	5.54	16.64
22	AR16602G1	15MAY091509-R251	05/16/2009	0045	5.52	16.63
23	AR16603G1	15MAY091509-R261	05/16/2009	0108	5.53	16.64
24	AR16604G1	15MAY091509-R271	05/16/2009	0132	5.53	16.64
25	AR16605G1	15MAY091509-R281	05/16/2009	0156	5.53	16.63
26	AIBLKG5	15MAY091509-R291	05/16/2009	0220	5.52	16.63
27	AR16603G2	15MAY091509-R301	05/16/2009	0243	5.53	16.64
28	ABLKQ3	15MAY091517-R011	05/16/2009	0307	5.53	16.64
29	ALCSQ3	15MAY091517-R021	05/16/2009	0331	5.53	16.64
30	E2QQ3	15MAY091517-R031	05/16/2009	0355	5.54	16.64
31	E2QQ4	15MAY091517-R041	05/16/2009	0419	5.53	16.64
32	E2QQ5	15MAY091517-R051	05/16/2009	0443	5.53	16.64

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

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

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 05/15/2009 05/16/2009

Instrument ID: 5253_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.53 DCB: 16.64

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
33	E2QQ6	15MAY091517-R061	05/16/2009	0506	5.55	16.66
34	E2QQ7	15MAY091517-R071	05/16/2009	0530	5.54	16.64
35	E2QQ8	15MAY091517-R081	05/16/2009	0554	5.54	16.65
36	E2QR1	15MAY091517-R091	05/16/2009	0618	5.54	16.64
37	E2QR2	15MAY091517-R101	05/16/2009	0642	5.54	16.64
38	E2QR3	15MAY091517-R111	05/16/2009	0705	5.52	16.62
39	E2QR4	15MAY091517-R121	05/16/2009	0729	5.55	16.65
40	E2QR5	15MAY091517-R131	05/16/2009	0753	5.54	16.64
41	E2QR7	15MAY091517-R141	05/16/2009	0817	5.52	16.62
42	E2QR8	15MAY091517-R151	05/16/2009	0841	5.53	16.64
43	E2QS1	15MAY091517-R161	05/16/2009	0904	5.53	16.64
44	AIBLKG6	15MAY091517-R171	05/16/2009	0928	5.54	16.64
45	AIBLKG7	15MAY091517-R181	05/16/2009	0952	5.53	16.64
46	AR16603G3	15MAY091517-R191	05/16/2009	1016	5.54	16.64
47	AR12423G2	15MAY091517-R201	05/16/2009	1040	5.54	16.65
48	AR12483G2	15MAY091517-R211	05/16/2009	1103	5.53	16.64
49	AR12543G2	15MAY091517-R221	05/16/2009	1127	5.54	16.65
50	AIBLKH9	18MAY090735-R021	05/18/2009	0821	5.53	16.64
51	AR16603G5	18MAY090735-R031	05/18/2009	0845	5.54	16.64
52	AR12423G4	18MAY090735-R041	05/18/2009	0909	5.53	16.64
53	AR12483G4	18MAY090735-R051	05/18/2009	0933	5.53	16.64
54	AR12543G4	18MAY090735-R061	05/18/2009	0957	5.54	16.65
55	E2QQ1	18MAY091007-R011	05/18/2009	1020	5.54	16.65
56	AIBLKI1	18MAY091007-R021	05/18/2009	1044	5.54	16.64
57	E2QQ1MS	18MAY091007-R031	05/18/2009	1108	5.54	16.65
58	AIBLKI2	18MAY091007-R041	05/18/2009	1132	5.53	16.64
59	E2QQ1MSD	18MAY091007-R051	05/18/2009	1155	5.54	16.64
60	AIBLKI3	18MAY091007-R061	05/18/2009	1219	5.54	16.65
61	E2QQ2	18MAY091007-R071	05/18/2009	1243	5.53	16.64
62	AIBLKI4	18MAY091007-R081	05/18/2009	1307	5.53	16.64
63	E2QR6	18MAY091007-R091	05/18/2009	1331	5.53	16.63
64	AIBLKI5	18MAY091007-R101	05/18/2009	1355	5.53	16.64

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

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

8H - FORM VIII ARO
AROCLOR ANALYTICAL SEQUENCE

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

GC Column: RTX-35 ID: 0.25 (mm) Init. Calib. Date(s): 05/15/2009 05/16/2009

Instrument ID: 5253_2.i

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs, and LCSs IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.53 DCB: 16.64

	EPA SAMPLE NO.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
65	E2QR9	18MAY091007-R111	05/18/2009	1418	5.53	16.63
66	AIBLKI6	18MAY091007-R121	05/18/2009	1442	5.52	16.63
67	E2QS0	18MAY091007-R131	05/18/2009	1506	5.55	16.65
68	AIBLKI7	18MAY091007-R141	05/18/2009	1530	5.53	16.63
69	E2QS2	18MAY091007-R151	05/18/2009	1554		
70	AIBLKI8	18MAY091007-R161	05/18/2009	1618	5.54	16.65
71	AIBLKI9	18MAY091007-R171	05/18/2009	1641	5.54	16.64
72	AR16603G6	18MAY091007-R181	05/18/2009	1705	5.53	16.64
73	AR12423G5	18MAY091007-R191	05/18/2009	1729	5.54	16.64
74	AR12483G5	18MAY091007-R201	05/18/2009	1753	5.54	16.64
75	AR12543G5	18MAY091007-R211	05/18/2009	1817	5.53	16.64
76						
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94						
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96						

QC LIMITS

TCX = Tetrachloro-m-xylene (± 0.05 MINUTES)
DCB = Decachlorobiphenyl (± 0.10 MINUTES)

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

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ABLKQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: ABLKQ3

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 15MAY091517-R011

% Moisture: Decanted: (Y/N) Date Received:

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.2 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	33	U
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	33	U
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ALCSQ3(1)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: ALCSQ3

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 15MAY091517-R021

% Moisture: 0.0 Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.2 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	44	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	37	
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
ALCSQ3(2)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: ALCSQ3

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 15MAY091517-R021

% Moisture: 0.0 Decanted: (Y/N) N Date Received:

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.2 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	40	
11104-28-2	Aroclor-1221	33	U
11141-16-5	Aroclor-1232	33	U
53469-21-9	Aroclor-1242	33	U
12672-29-6	Aroclor-1248	33	U
11097-69-1	Aroclor-1254	33	U
11096-82-5	Aroclor-1260	37	
37324-23-5	Aroclor-1262	33	U
11100-14-4	Aroclor-1268	33	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 18MAY091007-R011

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 6.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3100	U
11104-28-2	Aroclor-1221	3100	U
11141-16-5	Aroclor-1232	3100	U
53469-21-9	Aroclor-1242	3100	U
12672-29-6	Aroclor-1248	21000	
11097-69-1	Aroclor-1254	11000	
11096-82-5	Aroclor-1260	1400	J
37324-23-5	Aroclor-1262	3100	U
11100-14-4	Aroclor-1268	3100	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS(1)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 18MAY091007-R031

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 6.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3100	U
11104-28-2	Aroclor-1221	3100	U
11141-16-5	Aroclor-1232	3100	U
53469-21-9	Aroclor-1242	3100	U
12672-29-6	Aroclor-1248	24000	
11097-69-1	Aroclor-1254	11000	
11096-82-5	Aroclor-1260	1700	J
37324-23-5	Aroclor-1262	3100	U
11100-14-4	Aroclor-1268	3100	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MS(2)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MS

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 18MAY091007-R031

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 6.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3100	U
11104-28-2	Aroclor-1221	3100	U
11141-16-5	Aroclor-1232	3100	U
53469-21-9	Aroclor-1242	3100	U
12672-29-6	Aroclor-1248	21000	
11097-69-1	Aroclor-1254	12000	
11096-82-5	Aroclor-1260	1400	J
37324-23-5	Aroclor-1262	3100	U
11100-14-4	Aroclor-1268	3100	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD(1)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 18MAY091007-R051

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 6.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3100	U
11104-28-2	Aroclor-1221	3100	U
11141-16-5	Aroclor-1232	3100	U
53469-21-9	Aroclor-1242	3100	U
12672-29-6	Aroclor-1248	31000	
11097-69-1	Aroclor-1254	15000	
11096-82-5	Aroclor-1260	2100	J
37324-23-5	Aroclor-1262	3100	U
11100-14-4	Aroclor-1268	3100	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ1MSD(2)

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794701MD

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 18MAY091007-R051

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 6.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3100	U
11104-28-2	Aroclor-1221	3100	U
11141-16-5	Aroclor-1232	3100	U
53469-21-9	Aroclor-1242	3100	U
12672-29-6	Aroclor-1248	28000	
11097-69-1	Aroclor-1254	13000	
11096-82-5	Aroclor-1260	1700	J
37324-23-5	Aroclor-1262	3100	U
11100-14-4	Aroclor-1268	3100	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794702

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 18MAY091007-R071

% Moisture: 71 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3400	U
11104-28-2	Aroclor-1221	3400	U
11141-16-5	Aroclor-1232	3400	U
53469-21-9	Aroclor-1242	3400	U
12672-29-6	Aroclor-1248	25000	
11097-69-1	Aroclor-1254	12000	P
11096-82-5	Aroclor-1260	1100	JP
37324-23-5	Aroclor-1262	3400	U
11100-14-4	Aroclor-1268	3400	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794703

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 15MAY091517-R031

% Moisture: 79 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.2 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	160	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	160	U
53469-21-9	Aroclor-1242	160	U
12672-29-6	Aroclor-1248	110	J
11097-69-1	Aroclor-1254	250	P
11096-82-5	Aroclor-1260	91	J
37324-23-5	Aroclor-1262	160	U
11100-14-4	Aroclor-1268	160	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794704

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 15MAY091517-R041

% Moisture: 69 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.7 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	110	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	110	U
53469-21-9	Aroclor-1242	110	U
12672-29-6	Aroclor-1248	97	J
11097-69-1	Aroclor-1254	200	
11096-82-5	Aroclor-1260	57	JP
37324-23-5	Aroclor-1262	110	U
11100-14-4	Aroclor-1268	110	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794705

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 15MAY091517-R051

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.1 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	79	U
11104-28-2	Aroclor-1221	79	U
11141-16-5	Aroclor-1232	79	U
53469-21-9	Aroclor-1242	79	U
12672-29-6	Aroclor-1248	32	JP
11097-69-1	Aroclor-1254	170	P
11096-82-5	Aroclor-1260	34	J
37324-23-5	Aroclor-1262	79	U
11100-14-4	Aroclor-1268	79	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794706

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 15MAY091517-R061

% Moisture: 61 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	84	U
11104-28-2	Aroclor-1221	84	U
11141-16-5	Aroclor-1232	84	U
53469-21-9	Aroclor-1242	84	U
12672-29-6	Aroclor-1248	84	U
11097-69-1	Aroclor-1254	84	U
11096-82-5	Aroclor-1260	84	U
37324-23-5	Aroclor-1262	84	U
11100-14-4	Aroclor-1268	84	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794707

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 15MAY091517-R071

% Moisture: 78 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 6.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	150	U
11104-28-2	Aroclor-1221	150	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	150	U
12672-29-6	Aroclor-1248	98	J
11097-69-1	Aroclor-1254	210	
11096-82-5	Aroclor-1260	37	J
37324-23-5	Aroclor-1262	150	U
11100-14-4	Aroclor-1268	150	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QQ8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794708

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 15MAY091517-R081

% Moisture: 80 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	160	U
11104-28-2	Aroclor-1221	160	U
11141-16-5	Aroclor-1232	160	U
53469-21-9	Aroclor-1242	160	U
12672-29-6	Aroclor-1248	160	U
11097-69-1	Aroclor-1254	97	JP
11096-82-5	Aroclor-1260	160	U
37324-23-5	Aroclor-1262	160	U
11100-14-4	Aroclor-1268	160	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794709

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 15MAY091517-R091

% Moisture: 67 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	500	U
11104-28-2	Aroclor-1221	500	U
11141-16-5	Aroclor-1232	500	U
53469-21-9	Aroclor-1242	500	U
12672-29-6	Aroclor-1248	1100	P
11097-69-1	Aroclor-1254	4000	
11096-82-5	Aroclor-1260	390	J
37324-23-5	Aroclor-1262	500	U
11100-14-4	Aroclor-1268	500	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794710

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 15MAY091517-R101

% Moisture: 65 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 5.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	470	U
11104-28-2	Aroclor-1221	470	U
11141-16-5	Aroclor-1232	470	U
53469-21-9	Aroclor-1242	470	U
12672-29-6	Aroclor-1248	1100	P
11097-69-1	Aroclor-1254	4200	
11096-82-5	Aroclor-1260	400	J
37324-23-5	Aroclor-1262	470	U
11100-14-4	Aroclor-1268	470	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR3

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794711

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 15MAY091517-R111

% Moisture: 68 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	5100	U
11104-28-2	Aroclor-1221	5100	U
11141-16-5	Aroclor-1232	5100	U
53469-21-9	Aroclor-1242	5100	U
12672-29-6	Aroclor-1248	32000	
11097-69-1	Aroclor-1254	18000	
11096-82-5	Aroclor-1260	1800	J
37324-23-5	Aroclor-1262	5100	U
11100-14-4	Aroclor-1268	5100	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR4

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794712

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 15MAY091517-R121

% Moisture: 70 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	5500	U
11104-28-2	Aroclor-1221	5500	U
11141-16-5	Aroclor-1232	5500	U
53469-21-9	Aroclor-1242	5500	U
12672-29-6	Aroclor-1248	38000	
11097-69-1	Aroclor-1254	20000	
11096-82-5	Aroclor-1260	2200	J
37324-23-5	Aroclor-1262	5500	U
11100-14-4	Aroclor-1268	5500	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR5

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794713

Sample wt/vol: 30.1 (g/mL) g Lab File ID: 15MAY091517-R131

% Moisture: 29 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.8 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	46	U
11104-28-2	Aroclor-1221	46	U
11141-16-5	Aroclor-1232	46	U
53469-21-9	Aroclor-1242	46	U
12672-29-6	Aroclor-1248	32	JP
11097-69-1	Aroclor-1254	34	J
11096-82-5	Aroclor-1260	11	JP
37324-23-5	Aroclor-1262	46	U
11100-14-4	Aroclor-1268	46	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR6

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794714

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 18MAY091007-R091

% Moisture: 51 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: 7.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	3300	U
11104-28-2	Aroclor-1221	3300	U
11141-16-5	Aroclor-1232	3300	U
53469-21-9	Aroclor-1242	3300	U
12672-29-6	Aroclor-1248	38000	
11097-69-1	Aroclor-1254	16000	
11096-82-5	Aroclor-1260	1100	JP
37324-23-5	Aroclor-1262	3300	U
11100-14-4	Aroclor-1268	3300	U

SOM01.2

1H - FORM I-ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR7

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794715

Sample wt/vol: 29.8 (g/mL) g Lab File ID: 15MAY091517-R141

% Moisture: 23 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.1 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	43	U
11104-28-2	Aroclor-1221	43	U
11141-16-5	Aroclor-1232	43	U
53469-21-9	Aroclor-1242	43	U
12672-29-6	Aroclor-1248	32	J
11097-69-1	Aroclor-1254	49	P
11096-82-5	Aroclor-1260	32	J
37324-23-5	Aroclor-1262	43	U
11100-14-4	Aroclor-1268	43	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR8

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794716

Sample wt/vol: 30.2 (g/mL) g Lab File ID: 15MAY091517-R151

% Moisture: 17 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	39	U
11104-28-2	Aroclor-1221	39	U
11141-16-5	Aroclor-1232	39	U
53469-21-9	Aroclor-1242	39	U
12672-29-6	Aroclor-1248	72	
11097-69-1	Aroclor-1254	60	P
11096-82-5	Aroclor-1260	110	P
37324-23-5	Aroclor-1262	39	U
11100-14-4	Aroclor-1268	39	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QR9

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794717

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 18MAY091007-R111

% Moisture: 59 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 30.0

GPC Cleanup: (Y/N) N pH: 7.9 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	2400	U
11104-28-2	Aroclor-1221	2400	U
11141-16-5	Aroclor-1232	2400	U
53469-21-9	Aroclor-1242	2400	U
12672-29-6	Aroclor-1248	9500	P
11097-69-1	Aroclor-1254	26000	
11096-82-5	Aroclor-1260	1700	J
37324-23-5	Aroclor-1262	2400	U
11100-14-4	Aroclor-1268	2400	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS0

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794718

Sample wt/vol: 30.4 (g/mL) g Lab File ID: 18MAY091007-R131

% Moisture: 50 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: 7.4 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	650	U
11104-28-2	Aroclor-1221	650	U
11141-16-5	Aroclor-1232	650	U
53469-21-9	Aroclor-1242	650	U
12672-29-6	Aroclor-1248	650	U
11097-69-1	Aroclor-1254	650	U
11096-82-5	Aroclor-1260	650	U
37324-23-5	Aroclor-1262	650	U
11100-14-4	Aroclor-1268	650	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS1

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794719

Sample wt/vol: 30.0 (g/mL) g Lab File ID: 15MAY091517-R161

% Moisture: 63 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/16/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 8.3 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	89	U
11104-28-2	Aroclor-1221	89	U
11141-16-5	Aroclor-1232	89	U
53469-21-9	Aroclor-1242	89	U
12672-29-6	Aroclor-1248	200	
11097-69-1	Aroclor-1254	240	
11096-82-5	Aroclor-1260	26	JP
37324-23-5	Aroclor-1262	89	U
11100-14-4	Aroclor-1268	89	U

SOM01.2

1H - FORM I ARO
AROCLOR ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
E2QS2

Lab Name: TESTAMERICA BURLINGTON Contract: EP-W-07-057

Lab Code: STLV Case No.: 38525 Mod. Ref No.: SDG No.: E2QQ1

Matrix: (SOIL/SED/WATER) Soil Lab Sample ID: 794720

Sample wt/vol: 30.3 (g/mL) g Lab File ID: 18MAY091007-R151

% Moisture: 58 Decanted: (Y/N) N Date Received: 05/07/2009

Extraction: (Type) SONC Date Extracted: 05/08/2009

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 05/18/2009

Injection Volume: 1.0 (uL) GPC Factor: 1.0 Dilution Factor: 500.0

GPC Cleanup: (Y/N) N pH: 8.2 Sulfur Cleanup: (Y/N) Y

Acid Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
12674-11-2	Aroclor-1016	39000	U
11104-28-2	Aroclor-1221	39000	U
11141-16-5	Aroclor-1232	39000	U
53469-21-9	Aroclor-1242	39000	U
12672-29-6	Aroclor-1248	230000	
11097-69-1	Aroclor-1254	71000	P
11096-82-5	Aroclor-1260	6600	J
37324-23-5	Aroclor-1262	39000	U
11100-14-4	Aroclor-1268	39000	U

SOM01.2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
ESD Central Regional Laboratory
Data Tracking Form for Contract Samples

Sample Delivery Group: E2QQ1 CERCLIS No: IND077005916

Case No: 38525 Site Name/Location: Gary Dev Co INC (IN)

Contractor or EPA Lab: TestAmerica Data User: IDEM

No. of Samples: 20 Date Sampled or Date Received: 29 May 09

Have Chain-of-Custody records been received? Yes X No _____
Have traffic reports or packing lists been received? Yes X No _____
If no, are traffic reports or packing list numbers written on the Chain-of-Custody Record?
Yes _____ No _____.
If no, which traffic report or packing list numbers are missing?

_____ _____ _____ _____
_____ _____ _____ _____

Are basic data forms in? Yes X No _____
No of samples claimed: 20 No. of samples received: _____

Received by: Bjoyner Date: 29 May 09

Received by LSSS: Bjoyner Date: 4 June 09

Review started: June 18, 2009 Reviewer Signature: Allison C Harvey

Total time spent on review: 87 hrs Date review completed: July 8, 2009

Copied by: A. C. Harvey Date: July 14, 2009

Mailed to user by: Bjoyner Date: 15 July 09

DATA USER:
Please fill in the blanks below and return this form to:
Sylvia Griffin, Data Mgmt. Coordinator, Region V, ML-10C

Data received by: _____ Date: _____

Data review received by: _____ Date: _____

Inorganic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Organic Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
Dioxin data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK
SAS Data Complete	[ ] Suitable for Intended Purpose [ ] ✓ if OK

PROBLEMS: Please indicate reasons why data are not suitable for your uses.

_____

_____

Received by Data Mgmt. Coordinator for Files. Date: _____