Life Science Laboratories, Inc.

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

Wednesday, April 22, 2009

Judy Graham
EA Engineering Science and Technology
6712 Brooklawn Parkway, Suite 104
Syracuse, NY 13211-2158

TEL:

Project: TRACT II
RE: Analytical Results Order No.: 0904022

Dear Judy Graham:

Life Science Laboratories, Inc. received 50 sample(s) on 4/3/2009 for the analyses presented in the following report. Samples results relate only to the samples as received by the laboratory.

Very truly yours,
Life Science Laboratories, Inc.

Anthony Crescenzi
Project Manager

Sample Data Summary Package

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
9-32-136-TP-01-0309-(0-2)	0904022-001	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-02-0309-(0-2)	0904022-002	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-05-0309-(0-2)	0904022-003	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-06-0309-(0-2)	0904022-004	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-07-0309-(0-2)	0904022-005	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-08-0309-(0-2)	0904022-006	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-09-0309-(0-2)	0904022-007	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-10-0309-(0-2)	0904022-008	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-11-0309-(0-2)	0904022-009	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-12-0309-(0-2)	0904022-010	DUP						SM 2540 G
9-32-136-TP-12-0309-(0-2)	0904022-010	MS					SW6010B SW7471A	
9-32-136-TP-12-0309-(0-2)	0904022-010	MSD					SW6010B SW7471A	
9-32-136-TP-12-0309-(0-2)	0904022-010	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-13-0309-(0-2)	0904022-011	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-14-0309-(0-2)	0904022-012	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-15-0309-(0-2)	0904022-013	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-16-0309-(0-2)	0904022-014	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-17-0309-(0-2)	0904022-015	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-18-0309-(0-2)	0904022-016	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-19-0309-(0-2)	0904022-017	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-20-0309-(0-2)	0904022-018	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-21-0309-(0-2)	0904022-019	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-22-0309-(0-2)	0904022-020	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-23-0309-(0-2)	0904022-021	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-24-0309-(0-2)	0904022-022	SAMP					SW7471A SW6010B	SM 2540 G

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
9-32-136-TP-25-0309-(0-2)	0904022-023	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-DUP-0309	0904022-024	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-01-SS-01-0309	0904022-026	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-02-0309	0904022-027	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-03-0309	0904022-028	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-04-0309	0904022-029	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-05-0309	0904022-030	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-06-0309	0904022-031	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-07-0309	0904022-032	DUP						SM 2540 G
9-32-136-SS-07-0309	0904022-032	MS					SW6010B SW7471A	
9-32-136-SS-07-0309	0904022-032	MSD					SW6010B SW7471A	
9-32-136-SS-07-0309	0904022-032	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-08-0309	0904022-033	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-09-0309	0904022-034	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-10-0309	0904022-035	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-11-0309	0904022-036	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-12-0309	0904022-037	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-13-0309	0904022-038	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-14-0309	0904022-039	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-15-0309	0904022-040	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-16-0309	0904022-041	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-17-0309	0904022-042	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-18-0309	0904022-043	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-19-0309	0904022-044	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-20-0309	0904022-045	SAMP					SW7471A SW6010B	SM 2540 G

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FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
9-32-136-SS-21-0309	0904022-046	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-22-0309	0904022-047	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-23-0309	0904022-048	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-DUP-0309	0904022-049	SAMP					SW7471A SW6010B	SM 2540 G

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-001A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-002A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-003A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-003ADL	Soil	Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-004A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-004ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-005A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-005ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-006A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-007A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-008A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-009A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-009ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-010A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-010ADL	Soil	Cr	04/03/2009	04/08/2009	04/09/2009
0904022-010AMS	Soil	Cr	04/03/2009	04/08/2009	04/09/2009
0904022-010AMS	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-010AMSD	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-010AMSD	Soil	Cr	04/03/2009	04/08/2009	04/09/2009
0904022-011A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-011ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-012A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-013A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-014A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-014ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-015A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-015ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-016A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-017A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-018A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-019A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-019ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-020A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-021A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-022A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-023A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-024A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-026A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-027A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-028A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-029A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-029ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-030A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-030ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-031A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-031ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-032A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-032AMS	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-032AMSD	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-033A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-033ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-034A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-035A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-036A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-037A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-038A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-039A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-040A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-041A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-042A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-043A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-044A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-044AMS	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-044AMSD	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-045A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-046A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-047A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-048A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-049A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-001A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-002A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-003A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-004A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-005A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-006A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-007A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-007ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-008A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-008ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-009A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-010A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-010AMS	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-010AMSD	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-011A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-011ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-012A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-013A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-014A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-014ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-015A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-015ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-016A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-017A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-018A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-019A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-020A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-021A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-022A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-023A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-024A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-026A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-027A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-028A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-029A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-030A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-031A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-032A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-032AMS	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-032AMSD	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-033A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-034A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-035A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-035ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-036A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-036ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-037A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-037ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-038A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-038ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-039A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-040A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-041A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-042A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-043A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-044A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-044AMS	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-044AMSD	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-045A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-046A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-047A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-047ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-048A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-049A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-049ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for EA Engineering Science & Technology, Tract II project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

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

Discrepancies noted upon receipt are listed on the sample receipt checklist located in the chain of custody section of the report. The temperatures of the iced coolers ranged from -0.6°C to 1.8°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
ICP Metals	6010B	1
Mercury	7471A	1
Percent Moisture	ASTM D2216	2

1) Test Methods for Evaluation Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) ASTM

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Catagory "B" order of data requirements.

Total # of pages in this report_____

Trace Metals Case Narrative

Client ID:	EA
Project/Order:	Tract II
Work Order:	0904022
Methodology:	ICP metals – SW 6010B

Analyzed/Reviewed by (Date/Initials): 4/16/09 CT

Supervisor/Reviewed by (Date/Initials): 4/16/09 mT

QA/QC Review (Date/Initials): 4/20/09 JH

Trace Metals

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

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

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

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
9-32-136-TP-12-0309-(0-2)	0904022-010A	Ba	X		1
		Pb	X		2
9-32-136-SS-07-0309	0904022-032A	Ba,Cr,Pb	X	X	1
9-32-136-SS-19-0309	0904022-044A	Pb	X		2

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

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

ICP Serial Dilution
The following analyte did not meet ICP serial dilution recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
9-32-136-SS-07-0309	0904022-032A	Cr	1

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

Client ID:	EA
Project/Order:	Tract II
Work Order:	0904022
Methodology:	ICP metals – SW 6010B

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

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

Miscellaneous
Several samples were diluted and reanalyzed for elements above the linear range and /or their associated interelement correction factors (IEC) elements.

Trace Metals Case Narrative

Client ID:	EA
Project/Order:	Tract II
Work Order #:	0904022
Methodology:	Mercury – SW 7471A

Analyzed/Reviewed by (Date/Initials): 4/16/09 CT

Supervisor/Reviewed by (Date/Initials): 4/16/09 MT

QA/QC Review (Date/Initials): 4/20/09 JLW

Trace Metals

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

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

MS/MSD AND MS/MSD RPD
The following analyte did not meet MS/MSD RPD criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
9-32-136-SS-19-0309	0904022-044A	Hg		X	1

1. Both MS/MSD recoveries met QC criteria. No corrective action was taken.

CVAA Dilution Test
All percent differences met method and/or project specific QC criteria.

CVAA Recovery Test
The following analyte did not meet CVAA recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
9-32-136-TP-06-0309-(0-2)	0904022-004A	Hg	1

1. The dilution test met QC criteria. No further corrective action was taken.

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

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

Life Science Laboratories, Inc.

Date: *22-Apr-09*

CLIENT: EA Engineering Science and Technology
Project: Tract II
Lab Order: 0904022

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0904022-001A	9-32-136-TP-01-0309-(0-2)		3/30/2009	4/3/2009
0904022-002A	9-32-136-TP-02-0309-(0-2)		3/30/2009	4/3/2009
0904022-003A	9-32-136-TP-05-0309-(0-2)		3/30/2009	4/3/2009
0904022-004A	9-32-136-TP-06-0309-(0-2)		3/30/2009	4/3/2009
0904022-005A	9-32-136-TP-07-0309-(0-2)		3/31/2009	4/3/2009
0904022-006A	9-32-136-TP-08-0309-(0-2)		3/30/2009	4/3/2009
0904022-007A	9-32-136-TP-09-0309-(0-2)		3/31/2009	4/3/2009
0904022-008A	9-32-136-TP-10-0309-(0-2)		3/31/2009	4/3/2009
0904022-009A	9-32-136-TP-11-0309-(0-2)		3/31/2009	4/3/2009
0904022-010A	9-32-136-TP-12-0309-(0-2)		3/31/2009	4/3/2009
0904022-011A	9-32-136-TP-13-0309-(0-2)		3/31/2009	4/3/2009
0904022-012A	9-32-136-TP-14-0309-(0-2)		3/31/2009	4/3/2009
0904022-013A	9-32-136-TP-15-0309-(0-2)		3/31/2009	4/3/2009
0904022-014A	9-32-136-TP-16-0309-(0-2)		3/31/2009	4/3/2009
0904022-015A	9-32-136-TP-17-0309-(0-2)		3/31/2009	4/3/2009
0904022-016A	9-32-136-TP-18-0309-(0-2)		3/31/2009	4/3/2009
0904022-017A	9-32-136-TP-19-0309-(0-2)		3/31/2009	4/3/2009
0904022-018A	9-32-136-TP-20-0309-(0-2)		3/31/2009	4/3/2009
0904022-019A	9-32-136-TP-21-0309-(0-2)		3/31/2009	4/3/2009
0904022-020A	9-32-136-TP-22-0309-(0-2)		3/31/2009	4/3/2009
0904022-021A	9-32-136-TP-23-0309-(0-2)		3/31/2009	4/3/2009
0904022-022A	9-32-136-TP-24-0309-(0-2)		3/31/2009	4/3/2009
0904022-023A	9-32-136-TP-25-0309-(0-2)		3/31/2009	4/3/2009
0904022-024A	9-32-136-TP-DUP-0309		3/31/2009	4/3/2009
0904022-025A	9-32-136-TP-MS/MSD-0309		3/31/2009	4/3/2009
0904022-026A	9-32-136-SS-01-SS-01-0309		3/30/2009	4/3/2009
0904022-027A	9-32-136-SS-02-0309		3/30/2009	4/3/2009
0904022-028A	9-32-136-SS-03-0309		3/30/2009	4/3/2009
0904022-029A	9-32-136-SS-04-0309		3/30/2009	4/3/2009
0904022-030A	9-32-136-SS-05-0309		3/31/2009	4/3/2009
0904022-031A	9-32-136-SS-06-0309		3/31/2009	4/3/2009
0904022-032A	9-32-136-SS-07-0309		3/31/2009	4/3/2009
0904022-033A	9-32-136-SS-08-0309		3/31/2009	4/3/2009
0904022-034A	9-32-136-SS-09-0309		3/31/2009	4/3/2009
0904022-035A	9-32-136-SS-10-0309		3/31/2009	4/3/2009
0904022-036A	9-32-136-SS-11-0309		3/31/2009	4/3/2009
0904022-037A	9-32-136-SS-12-0309		3/31/2009	4/3/2009
0904022-038A	9-32-136-SS-13-0309		3/31/2009	4/3/2009

CLIENT:	EA Engineering Science and Technology
Project:	Tract II
Lab Order:	0904022

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0904022-039A	9-32-136-SS-14-0309		3/31/2009	4/3/2009
0904022-040A	9-32-136-SS-15-0309		3/31/2009	4/3/2009
0904022-041A	9-32-136-SS-16-0309		3/31/2009	4/3/2009
0904022-042A	9-32-136-SS-17-0309		3/31/2009	4/3/2009
0904022-043A	9-32-136-SS-18-0309		3/31/2009	4/3/2009
0904022-044A	9-32-136-SS-19-0309		3/31/2009	4/3/2009
0904022-045A	9-32-136-SS-20-0309		3/31/2009	4/3/2009
0904022-046A	9-32-136-SS-21-0309		3/31/2009	4/3/2009
0904022-047A	9-32-136-SS-22-0309		3/31/2009	4/3/2009
0904022-048A	9-32-136-SS-23-0309		3/31/2009	4/3/2009
0904022-049A	9-32-136-SS-DUP-0309		3/31/2009	4/3/2009
0904022-050A	9-32-136-SS-MS/MSD-0309		3/31/2009	4/3/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-001A	9-32-136-TP-01-0309-(0-2)	3/30/2009 11:15:00 AM	Soil	Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-002A	9-32-136-TP-02-0309-(0-2)	3/30/2009 11:00:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-003A	9-32-136-TP-05-0309-(0-2)	3/30/2009 3:15:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-004A	9-32-136-TP-06-0309-(0-2)	3/30/2009 3:24:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-005A	9-32-136-TP-07-0309-(0-2)	3/31/2009 9:15:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-006A	9-32-136-TP-08-0309-(0-2)	3/30/2009 3:47:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-007A	9-32-136-TP-09-0309-(0-2)	3/31/2009 9:45:00 AM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-008A	9-32-136-TP-10-0309-(0-2)	3/31/2009 10:15:00 AM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-008A	9-32-136-TP-10-0309-(0-2)	3/31/2009 10:15:00 AM	Soil	Total Metals by ICP		4/8/2009	4/9/2009
0904022-009A	9-32-136-TP-11-0309-(0-2)	3/31/2009 11:15:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-010A	9-32-136-TP-12-0309-(0-2)	3/31/2009 11:30:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-011A	9-32-136-TP-13-0309-(0-2)	3/31/2009 1:15:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-012A	9-32-136-TP-14-0309-(0-2)	3/31/2009 12:45:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-013A	9-32-136-TP-15-0309-(0-2)	3/31/2009 11:50:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-014A	9-32-136-TP-16-0309-(0-2)	3/31/2009 1:45:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-015A	9-32-136-TP-17-0309-(0-2)	3/31/2009 2:10:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-015A	9-32-136-TP-17-0309-(0-2)	3/31/2009 2:10:00 PM	Soil	Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-016A	9-32-136-TP-18-0309-(0-2)	3/31/2009 2:33:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-017A	9-32-136-TP-19-0309-(0-2)	3/31/2009 3:30:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-018A	9-32-136-TP-20-0309-(0-2)	3/31/2009 3:15:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-019A	9-32-136-TP-21-0309-(0-2)	3/31/2009 3:00:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-020A	9-32-136-TP-22-0309-(0-2)	3/31/2009 3:45:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-021A	9-32-136-TP-23-0309-(0-2)	3/31/2009 4:00:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-022A	9-32-136-TP-24-0309-(0-2)	3/31/2009 4:10:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-023A	9-32-136-TP-25-0309-(0-2)	3/31/2009 5:00:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-024A	9-32-136-TP-DUP-0309	3/31/2009		Mercury		4/9/2009	4/10/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-024A	9-32-136-TP-DUP-0309	3/31/2009	Soil	Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-026A	9-32-136-SS-01-SS-01-0309	3/30/2009 11:50:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-027A	9-32-136-SS-02-0309	3/30/2009 11:55:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-028A	9-32-136-SS-03-0309	3/30/2009 11:40:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-029A	9-32-136-SS-04-0309	3/30/2009 11:45:00 AM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-030A	9-32-136-SS-05-0309	3/31/2009 4:30:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-031A	9-32-136-SS-06-0309	3/31/2009 4:40:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-032A	9-32-136-SS-07-0309	3/31/2009 4:25:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-033A	9-32-136-SS-08-0309	3/31/2009 4:35:00 PM		Mercury		4/9/2009	4/10/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-033A	9-32-136-SS-08-0309	3/31/2009 4:35:00 PM	Soil	Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-034A	9-32-136-SS-09-0309	3/31/2009 4:45:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-035A	9-32-136-SS-10-0309	3/31/2009 1:10:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-036A	9-32-136-SS-11-0309	3/31/2009 1:20:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-037A	9-32-136-SS-12-0309	3/31/2009 1:30:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-038A	9-32-136-SS-13-0309	3/31/2009 1:40:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-039A	9-32-136-SS-14-0309	3/31/2009 1:50:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-040A	9-32-136-SS-15-0309	3/31/2009 2:00:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-040A	9-32-136-SS-15-0309	3/31/2009 2:00:00 PM	Soil	Total Metals by ICP		4/8/2009	4/9/2009
0904022-041A	9-32-136-SS-16-0309	3/31/2009 2:10:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-042A	9-32-136-SS-17-0309	3/31/2009 2:20:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-043A	9-32-136-SS-18-0309	3/31/2009 2:30:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-044A	9-32-136-SS-19-0309	3/31/2009 4:20:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-045A	9-32-136-SS-20-0309	3/31/2009 4:15:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-046A	9-32-136-SS-21-0309	3/31/2009 4:11:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-047A	9-32-136-SS-22-0309	3/31/2009 3:45:00 PM		Mercury		4/9/2009	4/10/2009
				Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-048A	9-32-136-SS-23-0309	3/31/2009 3:55:00 PM		Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009
0904022-049A	9-32-136-SS-DUP-0309	3/31/2009		Mercury		4/9/2009	4/10/2009

Lab Order: 0904022
Client: EA Engineering Science and Technology
Project: Tract II

DATES REPORT

Sample ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Date	Analysis Date
0904022-049A	9-32-136-SS-DUP-0309	3/31/2009	Soil	Mercury		4/9/2009	4/10/2009
				Percent Moisture			4/6/2009
				Total Metals by ICP		4/8/2009	4/9/2009

Analytical Results

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-001A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-01-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103060
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	9.8		1.2	0.50	mg/Kg-dry	1	04/09/09 12:43
Barium	280		12	0.12	mg/Kg-dry	1	04/09/09 12:43
Cadmium	1.8		1.2	0.12	mg/Kg-dry	1	04/09/09 12:43
Chromium	32		1.2	0.50	mg/Kg-dry	1	04/09/09 12:43
Lead	320		1.2	0.50	mg/Kg-dry	1	04/09/09 12:43
Selenium	ND		1.2	0.62	mg/Kg-dry	1	04/09/09 12:43
Silver	0.30	J	1.2	0.25	mg/Kg-dry	1	04/09/09 12:43

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-002A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-02-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 30.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103061
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	6.4		1.4	0.58	mg/Kg-dry	1	04/09/09 12:46
Barium	500		14	0.14	mg/Kg-dry	1	04/09/09 12:46
Cadmium	0.71	J	1.4	0.14	mg/Kg-dry	1	04/09/09 12:46
Chromium	25		1.4	0.58	mg/Kg-dry	1	04/09/09 12:46
Lead	99		1.4	0.58	mg/Kg-dry	1	04/09/09 12:46
Selenium	ND		1.4	0.72	mg/Kg-dry	1	04/09/09 12:46
Silver	ND		1.4	0.29	mg/Kg-dry	1	04/09/09 12:46

Qualifiers:

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

Print Date: 04/20/09 10:24 439227 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-003A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-05-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.6	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103062
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	6.2		1.1	0.46	mg/Kg-dry	1	04/09/09 12:50
Barium	290		11	0.11	mg/Kg-dry	1	04/09/09 12:50
Cadmium	0.62	J	1.1	0.11	mg/Kg-dry	1	04/09/09 12:50
Chromium	170		1.1	0.46	mg/Kg-dry	1	04/09/09 12:50
Lead	160		1.1	0.46	mg/Kg-dry	1	04/09/09 12:50
Selenium	3.4		1.1	0.57	mg/Kg-dry	1	04/09/09 12:50
Silver	ND		1.1	0.23	mg/Kg-dry	1	04/09/09 12:50

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-003ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-05-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.6	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103127
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	170		5.7	2.3	mg/Kg-dry	5	04/09/09 17:27
Selenium	4.3	J	5.7	2.9	mg/Kg-dry	5	04/09/09 17:27

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

Print Date: 04/20/09 10:24 439293 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-004A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-06-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:24
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103063
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.9		1.2	0.46	mg/Kg-dry	1	04/09/09 12:53
Barium	360		12	0.12	mg/Kg-dry	1	04/09/09 12:53
Cadmium	0.94	J	1.2	0.12	mg/Kg-dry	1	04/09/09 12:53
Chromium	89		1.2	0.46	mg/Kg-dry	1	04/09/09 12:53
Lead	170		1.2	0.46	mg/Kg-dry	1	04/09/09 12:53
Selenium	2.5		1.2	0.58	mg/Kg-dry	1	04/09/09 12:53
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 12:53

Qualifiers:

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

Print Date: 04/20/09 10:24 439229 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-004ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-06-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:24
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103128
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.8	2.9	mg/Kg-dry	5	04/09/09 17:32

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-005A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-07-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103064
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	10		1.2	0.47	mg/Kg-dry	1	04/09/09 12:57
Barium	240		12	0.12	mg/Kg-dry	1	04/09/09 12:57
Cadmium	0.63	J	1.2	0.12	mg/Kg-dry	1	04/09/09 12:57
Chromium	25		1.2	0.47	mg/Kg-dry	1	04/09/09 12:57
Lead	6700		1.2	0.47	mg/Kg-dry	1	04/09/09 12:57
Selenium	2.4		1.2	0.59	mg/Kg-dry	1	04/09/09 12:57
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 12:57

Qualifiers:

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

Print Date: 04/20/09 10:24 439230 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-005ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-07-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103129
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.9	2.9	mg/Kg-dry	5	04/09/09 17:36

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-006A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-08-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:47
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 15.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103065
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	4.1		1.2	0.48	mg/Kg-dry	1	04/09/09 13:00
Barium	97		12	0.12	mg/Kg-dry	1	04/09/09 13:00
Cadmium	0.43	J	1.2	0.12	mg/Kg-dry	1	04/09/09 13:00
Chromium	22		1.2	0.48	mg/Kg-dry	1	04/09/09 13:00
Lead	260		1.2	0.48	mg/Kg-dry	1	04/09/09 13:00
Selenium	ND		1.2	0.59	mg/Kg-dry	1	04/09/09 13:00
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 13:00

Qualifiers:

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

Print Date: 04/20/09 10:24 439231 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-007A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-09-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.0	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103066
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	11		1.3	0.53	mg/Kg-dry	1	04/09/09 13:04
Barium	95		13	0.13	mg/Kg-dry	1	04/09/09 13:04
Cadmium	0.78	J	1.3	0.13	mg/Kg-dry	1	04/09/09 13:04
Chromium	32		1.3	0.53	mg/Kg-dry	1	04/09/09 13:04
Lead	540		1.3	0.53	mg/Kg-dry	1	04/09/09 13:04
Selenium	ND		1.3	0.66	mg/Kg-dry	1	04/09/09 13:04
Silver	2.8		1.3	0.26	mg/Kg-dry	1	04/09/09 13:04

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-008A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-10-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 10:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103067
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	12		1.3	0.52	mg/Kg-dry	1	04/09/09 13:08
Barium	450		13	0.13	mg/Kg-dry	1	04/09/09 13:08
Cadmium	3.3		1.3	0.13	mg/Kg-dry	1	04/09/09 13:08
Chromium	48		1.3	0.52	mg/Kg-dry	1	04/09/09 13:08
Lead	1300		1.3	0.52	mg/Kg-dry	1	04/09/09 13:08
Selenium	1.6		1.3	0.66	mg/Kg-dry	1	04/09/09 13:08
Silver	0.41	J	1.3	0.26	mg/Kg-dry	1	04/09/09 13:08

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-009A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-11-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103071
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	23		1.2	0.49	mg/Kg-dry	1	04/09/09 13:22
Barium	440		12	0.12	mg/Kg-dry	1	04/09/09 13:22
Cadmium	1.9		1.2	0.12	mg/Kg-dry	1	04/09/09 13:22
Chromium	38		1.2	0.49	mg/Kg-dry	1	04/09/09 13:22
Lead	18000		1.2	0.49	mg/Kg-dry	1	04/09/09 13:22
Selenium	1.1	J	1.2	0.61	mg/Kg-dry	1	04/09/09 13:22
Silver	1.2	J	1.2	0.24	mg/Kg-dry	1	04/09/09 13:22

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-009ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-11-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103130
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		6.1	3.0	mg/Kg-dry	5	04/09/09 17:40

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

Print Date: 04/20/09 10:24 439296 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-010A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-12-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103072
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.2		1.1	0.46	mg/Kg-dry	1	04/09/09 13:25
Barium	140		11	0.11	mg/Kg-dry	1	04/09/09 13:25
Cadmium	1.7		1.1	0.11	mg/Kg-dry	1	04/09/09 13:25
Chromium	37		1.1	0.46	mg/Kg-dry	1	04/09/09 13:25
Lead	340		1.1	0.46	mg/Kg-dry	1	04/09/09 13:25
Selenium	ND		1.1	0.57	mg/Kg-dry	1	04/09/09 13:25
Silver	0.25	J	1.1	0.23	mg/Kg-dry	1	04/09/09 13:25

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-010ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-12-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103131
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Chromium	39		2.3	0.91	mg/Kg-dry	2	04/09/09 17:45

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103077
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	37		1.2	0.50	mg/Kg-dry	1	04/09/09 13:43
Barium	770		12	0.12	mg/Kg-dry	1	04/09/09 13:43
Cadmium	1.9		1.2	0.12	mg/Kg-dry	1	04/09/09 13:43
Chromium	26		1.2	0.50	mg/Kg-dry	1	04/09/09 13:43
Lead	63000	E	1.2	0.50	mg/Kg-dry	1	04/09/09 13:43
Selenium	0.81	J	1.2	0.62	mg/Kg-dry	1	04/09/09 13:43
Silver	3.6		1.2	0.25	mg/Kg-dry	1	04/09/09 13:43

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103139
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	63000		25	10	mg/Kg-dry	20	04/09/09 18:21

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

Print Date: 04/20/09 10:24 439305 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-012A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-14-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 12:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 22.4	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103078
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	27		1.3	0.52	mg/Kg-dry	1	04/09/09 13:46
Barium	440		13	0.13	mg/Kg-dry	1	04/09/09 13:46
Cadmium	3.2		1.3	0.13	mg/Kg-dry	1	04/09/09 13:46
Chromium	25		1.3	0.52	mg/Kg-dry	1	04/09/09 13:46
Lead	8600		1.3	0.52	mg/Kg-dry	1	04/09/09 13:46
Selenium	1.2	J	1.3	0.64	mg/Kg-dry	1	04/09/09 13:46
Silver	0.45	J	1.3	0.26	mg/Kg-dry	1	04/09/09 13:46

Qualifiers:

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

Print Date: 04/20/09 10:24 439244 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-013A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-15-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.0	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103079
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	16		1.2	0.49	mg/Kg-dry	1	04/09/09 13:50
Barium	97		12	0.12	mg/Kg-dry	1	04/09/09 13:50
Cadmium	0.21	J	1.2	0.12	mg/Kg-dry	1	04/09/09 13:50
Chromium	9.7		1.2	0.49	mg/Kg-dry	1	04/09/09 13:50
Lead	18		1.2	0.49	mg/Kg-dry	1	04/09/09 13:50
Selenium	0.72	J	1.2	0.62	mg/Kg-dry	1	04/09/09 13:50
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 13:50

Qualifiers:

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

Print Date: 04/20/09 10:24 439245 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103080
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	58		1.3	0.53	mg/Kg-dry	1	04/09/09 13:54
Barium	500		13	0.13	mg/Kg-dry	1	04/09/09 13:54
Cadmium	4.2		1.3	0.13	mg/Kg-dry	1	04/09/09 13:54
Chromium	43		1.3	0.53	mg/Kg-dry	1	04/09/09 13:54
Lead	120000	E	1.3	0.53	mg/Kg-dry	1	04/09/09 13:54
Selenium	1.5		1.3	0.66	mg/Kg-dry	1	04/09/09 13:54
Silver	7.7		1.3	0.27	mg/Kg-dry	1	04/09/09 13:54

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103140
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	120000		66	27	mg/Kg-dry	50	04/09/09 18:25

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103084
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	31		1.3	0.51	mg/Kg-dry	1	04/09/09 14:16
Barium	310		13	0.13	mg/Kg-dry	1	04/09/09 14:16
Cadmium	1.6		1.3	0.13	mg/Kg-dry	1	04/09/09 14:16
Chromium	30		1.3	0.51	mg/Kg-dry	1	04/09/09 14:16
Lead	39000	E	1.3	0.51	mg/Kg-dry	1	04/09/09 14:16
Selenium	1.1	J	1.3	0.63	mg/Kg-dry	1	04/09/09 14:16
Silver	2.4		1.3	0.25	mg/Kg-dry	1	04/09/09 14:16

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103141
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	38000		25	10	mg/Kg-dry	20	04/09/09 18:29

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-016A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-18-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:33
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103085
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	18		1.3	0.52	mg/Kg-dry	1	04/09/09 14:22
Barium	270		13	0.13	mg/Kg-dry	1	04/09/09 14:22
Cadmium	0.99	J	1.3	0.13	mg/Kg-dry	1	04/09/09 14:22
Chromium	30		1.3	0.52	mg/Kg-dry	1	04/09/09 14:22
Lead	1200		1.3	0.52	mg/Kg-dry	1	04/09/09 14:22
Selenium	0.85	J	1.3	0.65	mg/Kg-dry	1	04/09/09 14:22
Silver	ND		1.3	0.26	mg/Kg-dry	1	04/09/09 14:22

Qualifiers:

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

Print Date: 04/20/09 10:24 439251 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-017A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-19-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103086
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	9.0		1.2	0.49	mg/Kg-dry	1	04/09/09 14:25
Barium	110		12	0.12	mg/Kg-dry	1	04/09/09 14:25
Cadmium	0.33	J	1.2	0.12	mg/Kg-dry	1	04/09/09 14:25
Chromium	16		1.2	0.49	mg/Kg-dry	1	04/09/09 14:25
Lead	4400		1.2	0.49	mg/Kg-dry	1	04/09/09 14:25
Selenium	0.72	J	1.2	0.61	mg/Kg-dry	1	04/09/09 14:25
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 14:25

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-018A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-20-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.4	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103087
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	19		1.2	0.49	mg/Kg-dry	1	04/09/09 14:29
Barium	140		12	0.12	mg/Kg-dry	1	04/09/09 14:29
Cadmium	ND		1.2	0.12	mg/Kg-dry	1	04/09/09 14:29
Chromium	4.7		1.2	0.49	mg/Kg-dry	1	04/09/09 14:29
Lead	35		1.2	0.49	mg/Kg-dry	1	04/09/09 14:29
Selenium	ND		1.2	0.61	mg/Kg-dry	1	04/09/09 14:29
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 14:29

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-019A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-21-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103088
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	15		1.3	0.51	mg/Kg-dry	1	04/09/09 14:32
Barium	220		13	0.13	mg/Kg-dry	1	04/09/09 14:32
Cadmium	1.6		1.3	0.13	mg/Kg-dry	1	04/09/09 14:32
Chromium	31		1.3	0.51	mg/Kg-dry	1	04/09/09 14:32
Lead	92000	E	1.3	0.51	mg/Kg-dry	1	04/09/09 14:32
Selenium	1.1	J	1.3	0.64	mg/Kg-dry	1	04/09/09 14:32
Silver	1.5		1.3	0.26	mg/Kg-dry	1	04/09/09 14:32

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-019ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-21-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103142
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	93000		51	20	mg/Kg-dry	40	04/09/09 18:34

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

Print Date: 04/20/09 10:24 439308 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-020A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-22-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 29.0	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103089
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	13		1.4	0.56	mg/Kg-dry	1	04/09/09 14:36
Barium	250		14	0.14	mg/Kg-dry	1	04/09/09 14:36
Cadmium	0.88	J	1.4	0.14	mg/Kg-dry	1	04/09/09 14:36
Chromium	40		1.4	0.56	mg/Kg-dry	1	04/09/09 14:36
Lead	3200		1.4	0.56	mg/Kg-dry	1	04/09/09 14:36
Selenium	1.4	J	1.4	0.70	mg/Kg-dry	1	04/09/09 14:36
Silver	0.42	J	1.4	0.28	mg/Kg-dry	1	04/09/09 14:36

Qualifiers:

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

Print Date: 04/20/09 10:24 439255 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-021A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-23-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 25.4	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103092
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.0		1.3	0.54	mg/Kg-dry	1	04/09/09 15:02
Barium	120		13	0.13	mg/Kg-dry	1	04/09/09 15:02
Cadmium	0.31	J	1.3	0.13	mg/Kg-dry	1	04/09/09 15:02
Chromium	27		1.3	0.54	mg/Kg-dry	1	04/09/09 15:02
Lead	200		1.3	0.54	mg/Kg-dry	1	04/09/09 15:02
Selenium	0.80	J	1.3	0.67	mg/Kg-dry	1	04/09/09 15:02
Silver	ND		1.3	0.27	mg/Kg-dry	1	04/09/09 15:02

Qualifiers:

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

Print Date: 04/20/09 10:24 439258 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-022A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-24-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103093
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.6		1.3	0.51	mg/Kg-dry	1	04/09/09 15:06
Barium	80		13	0.13	mg/Kg-dry	1	04/09/09 15:06
Cadmium	0.32	J	1.3	0.13	mg/Kg-dry	1	04/09/09 15:06
Chromium	19		1.3	0.51	mg/Kg-dry	1	04/09/09 15:06
Lead	1200		1.3	0.51	mg/Kg-dry	1	04/09/09 15:06
Selenium	1.2	J	1.3	0.64	mg/Kg-dry	1	04/09/09 15:06
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 15:06

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-023A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-25-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 17:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103097
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.1		1.2	0.49	mg/Kg-dry	1	04/09/09 15:20
Barium	71		12	0.12	mg/Kg-dry	1	04/09/09 15:20
Cadmium	0.28	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:20
Chromium	12		1.2	0.49	mg/Kg-dry	1	04/09/09 15:20
Lead	400		1.2	0.49	mg/Kg-dry	1	04/09/09 15:20
Selenium	ND		1.2	0.61	mg/Kg-dry	1	04/09/09 15:20
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 15:20

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-024A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103098
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	10		1.3	0.50	mg/Kg-dry	1	04/09/09 15:24
Barium	700		13	0.13	mg/Kg-dry	1	04/09/09 15:24
Cadmium	2.7		1.3	0.13	mg/Kg-dry	1	04/09/09 15:24
Chromium	35		1.3	0.50	mg/Kg-dry	1	04/09/09 15:24
Lead	750		1.3	0.50	mg/Kg-dry	1	04/09/09 15:24
Selenium	1.3		1.3	0.63	mg/Kg-dry	1	04/09/09 15:24
Silver	0.64	J	1.3	0.25	mg/Kg-dry	1	04/09/09 15:24

Qualifiers:

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

Print Date: 04/20/09 10:24 439264 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-026A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-01-SS-01-03***
W Order:	0904022	**Collection Date:**	03/30/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103099
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.5		1.2	0.50	mg/Kg-dry	1	04/09/09 15:27
Barium	120		12	0.12	mg/Kg-dry	1	04/09/09 15:27
Cadmium	0.89	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:27
Chromium	61		1.2	0.50	mg/Kg-dry	1	04/09/09 15:27
Lead	210		1.2	0.50	mg/Kg-dry	1	04/09/09 15:27
Selenium	ND		1.2	0.62	mg/Kg-dry	1	04/09/09 15:27
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 15:27

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-027A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-02-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 16.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103100
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.8		1.2	0.48	mg/Kg-dry	1	04/09/09 15:31
Barium	140		12	0.12	mg/Kg-dry	1	04/09/09 15:31
Cadmium	0.55	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:31
Chromium	37		1.2	0.48	mg/Kg-dry	1	04/09/09 15:31
Lead	57		1.2	0.48	mg/Kg-dry	1	04/09/09 15:31
Selenium	ND		1.2	0.60	mg/Kg-dry	1	04/09/09 15:31
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 15:31

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-028A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-03-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103101
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.4		1.2	0.49	mg/Kg-dry	1	04/09/09 15:34
Barium	94		12	0.12	mg/Kg-dry	1	04/09/09 15:34
Cadmium	3.0		1.2	0.12	mg/Kg-dry	1	04/09/09 15:34
Chromium	57		1.2	0.49	mg/Kg-dry	1	04/09/09 15:34
Lead	240		1.2	0.49	mg/Kg-dry	1	04/09/09 15:34
Selenium	ND		1.2	0.61	mg/Kg-dry	1	04/09/09 15:34
Silver	0.46	J	1.2	0.24	mg/Kg-dry	1	04/09/09 15:34

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-029A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-04-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 16.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103102
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	6.8		1.2	0.48	mg/Kg-dry	1	04/09/09 15:38
Barium	80		12	0.12	mg/Kg-dry	1	04/09/09 15:38
Cadmium	7.6		1.2	0.12	mg/Kg-dry	1	04/09/09 15:38
Chromium	84		1.2	0.48	mg/Kg-dry	1	04/09/09 15:38
Lead	630		1.2	0.48	mg/Kg-dry	1	04/09/09 15:38
Selenium	0.78	J	1.2	0.60	mg/Kg-dry	1	04/09/09 15:38
Silver	1.5		1.2	0.24	mg/Kg-dry	1	04/09/09 15:38

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-029ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-04-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 16.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103143
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		6.0	3.0	mg/Kg-dry	5	04/09/09 18:38

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-030A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-05-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103103
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	4.8		1.2	0.47	mg/Kg-dry	1	04/09/09 15:41
Barium	280		12	0.12	mg/Kg-dry	1	04/09/09 15:41
Cadmium	1.2		1.2	0.12	mg/Kg-dry	1	04/09/09 15:41
Chromium	35		1.2	0.47	mg/Kg-dry	1	04/09/09 15:41
Lead	240		1.2	0.47	mg/Kg-dry	1	04/09/09 15:41
Selenium	1.9		1.2	0.58	mg/Kg-dry	1	04/09/09 15:41
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 15:41

Qualifiers:

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

Print Date: 04/20/09 10:24 439269 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-030ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-05-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103144
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.8	2.9	mg/Kg-dry	5	04/09/09 18:43

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

Print Date: 04/20/09 10:24 439310 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-031A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-06-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103104
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.3		1.2	0.46	mg/Kg-dry	1	04/09/09 15:45
Barium	210		12	0.12	mg/Kg-dry	1	04/09/09 15:45
Cadmium	0.74	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:45
Chromium	38		1.2	0.46	mg/Kg-dry	1	04/09/09 15:45
Lead	230		1.2	0.46	mg/Kg-dry	1	04/09/09 15:45
Selenium	2.0		1.2	0.58	mg/Kg-dry	1	04/09/09 15:45
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 15:45

Qualifiers:

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

Print Date: 04/20/09 10:24 439270 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-031ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-06-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103145
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.8	2.9	mg/Kg-dry	5	04/09/09 18:47

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

Print Date: 04/20/09 10:24 439311 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-032A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-07-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:25
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103105
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	8.2		1.3	0.51	mg/Kg-dry	1	04/09/09 15:49
Barium	150		13	0.13	mg/Kg-dry	1	04/09/09 15:49
Cadmium	0.48	J	1.3	0.13	mg/Kg-dry	1	04/09/09 15:49
Chromium	38		1.3	0.51	mg/Kg-dry	1	04/09/09 15:49
Lead	110		1.3	0.51	mg/Kg-dry	1	04/09/09 15:49
Selenium	ND		1.3	0.63	mg/Kg-dry	1	04/09/09 15:49
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 15:49

Qualifiers:

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

Print Date: 04/20/09 10:24 439271 **Project Supervisor:** Anthony Crescenzi

Life Science Laboratories, Inc.
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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-033A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-08-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:35
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103113
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	56		1.3	0.50	mg/Kg-dry	1	04/09/09 16:19
Barium	610		13	0.13	mg/Kg-dry	1	04/09/09 16:19
Cadmium	0.99	J	1.3	0.13	mg/Kg-dry	1	04/09/09 16:19
Chromium	50		1.3	0.50	mg/Kg-dry	1	04/09/09 16:19
Lead	96		1.3	0.50	mg/Kg-dry	1	04/09/09 16:19
Selenium	5.4		1.3	0.63	mg/Kg-dry	1	04/09/09 16:19
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 16:19

Qualifiers:

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

Print Date: 04/20/09 10:24 439279 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-033ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-08-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:35
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103149
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	6.0	J	6.3	3.1	mg/Kg-dry	5	04/09/09 19:05

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-034A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-09-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103114
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	10		1.2	0.47	mg/Kg-dry	1	04/09/09 16:23
Barium	180		12	0.12	mg/Kg-dry	1	04/09/09 16:23
Cadmium	1.3		1.2	0.12	mg/Kg-dry	1	04/09/09 16:23
Chromium	16		1.2	0.47	mg/Kg-dry	1	04/09/09 16:23
Lead	1400		1.2	0.47	mg/Kg-dry	1	04/09/09 16:23
Selenium	0.92	J	1.2	0.58	mg/Kg-dry	1	04/09/09 16:23
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 16:23

Qualifiers:

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

Print Date: 04/20/09 10:24 439280 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-035A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-10-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103115
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	20		1.3	0.52	mg/Kg-dry	1	04/09/09 16:26
Barium	160		13	0.13	mg/Kg-dry	1	04/09/09 16:26
Cadmium	0.90	J	1.3	0.13	mg/Kg-dry	1	04/09/09 16:26
Chromium	42		1.3	0.52	mg/Kg-dry	1	04/09/09 16:26
Lead	220		1.3	0.52	mg/Kg-dry	1	04/09/09 16:26
Selenium	ND		1.3	0.65	mg/Kg-dry	1	04/09/09 16:26
Silver	ND		1.3	0.26	mg/Kg-dry	1	04/09/09 16:26

Qualifiers:

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

Print Date: 04/20/09 10:24 439281 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-036A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-11-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103116
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	17		1.2	0.49	mg/Kg-dry	1	04/09/09 16:30
Barium	260		12	0.12	mg/Kg-dry	1	04/09/09 16:30
Cadmium	1.3		1.2	0.12	mg/Kg-dry	1	04/09/09 16:30
Chromium	65		1.2	0.49	mg/Kg-dry	1	04/09/09 16:30
Lead	330		1.2	0.49	mg/Kg-dry	1	04/09/09 16:30
Selenium	0.88	J	1.2	0.61	mg/Kg-dry	1	04/09/09 16:30
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 16:30

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-037A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-12-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 22.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103117
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.3		1.3	0.51	mg/Kg-dry	1	04/09/09 16:33
Barium	220		13	0.13	mg/Kg-dry	1	04/09/09 16:33
Cadmium	1.9		1.3	0.13	mg/Kg-dry	1	04/09/09 16:33
Chromium	24		1.3	0.51	mg/Kg-dry	1	04/09/09 16:33
Lead	1500		1.3	0.51	mg/Kg-dry	1	04/09/09 16:33
Selenium	0.76	J	1.3	0.64	mg/Kg-dry	1	04/09/09 16:33
Silver	0.39	J	1.3	0.26	mg/Kg-dry	1	04/09/09 16:33

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-038A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-13-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103123
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	11		1.3	0.50	mg/Kg-dry	1	04/09/09 17:09
Barium	220		13	0.13	mg/Kg-dry	1	04/09/09 17:09
Cadmium	1.2	J	1.3	0.13	mg/Kg-dry	1	04/09/09 17:09
Chromium	54		1.3	0.50	mg/Kg-dry	1	04/09/09 17:09
Lead	1700		1.3	0.50	mg/Kg-dry	1	04/09/09 17:09
Selenium	ND		1.3	0.63	mg/Kg-dry	1	04/09/09 17:09
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 17:09

Qualifiers:

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

Print Date: 04/20/09 10:24 439289 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-039A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-14-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103151
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	15		6.3	2.5	mg/Kg-dry	5	04/09/09 19:14
Barium	95		63	0.63	mg/Kg-dry	5	04/09/09 19:14
Cadmium	1.7	J	6.3	0.63	mg/Kg-dry	5	04/09/09 19:14
Chromium	9.4		6.3	2.5	mg/Kg-dry	5	04/09/09 19:14
Lead	760		6.3	2.5	mg/Kg-dry	5	04/09/09 19:14
Selenium	ND		6.3	3.1	mg/Kg-dry	5	04/09/09 19:14
Silver	ND		6.3	1.3	mg/Kg-dry	5	04/09/09 19:14

Qualifiers:

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

Print Date: 04/20/09 10:24 439317 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-040A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-15-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103125
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	9.1		1.2	0.47	mg/Kg-dry	1	04/09/09 17:18
Barium	300		12	0.12	mg/Kg-dry	1	04/09/09 17:18
Cadmium	3.5		1.2	0.12	mg/Kg-dry	1	04/09/09 17:18
Chromium	140		1.2	0.47	mg/Kg-dry	1	04/09/09 17:18
Lead	1900		1.2	0.47	mg/Kg-dry	1	04/09/09 17:18
Selenium	0.60	J	1.2	0.58	mg/Kg-dry	1	04/09/09 17:18
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 17:18

Qualifiers:

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

Print Date: 04/20/09 10:24 439291 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-041A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-16-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.3	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103126
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	18		2.4	0.98	mg/Kg-dry	2	04/09/09 17:23
Barium	130		24	0.24	mg/Kg-dry	2	04/09/09 17:23
Cadmium	1.1	J	2.4	0.24	mg/Kg-dry	2	04/09/09 17:23
Chromium	30		2.4	0.98	mg/Kg-dry	2	04/09/09 17:23
Lead	2300		2.4	0.98	mg/Kg-dry	2	04/09/09 17:23
Selenium	1.4	J	2.4	1.2	mg/Kg-dry	2	04/09/09 17:23
Silver	ND		2.4	0.49	mg/Kg-dry	2	04/09/09 17:23

Qualifiers:

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

Print Date: 04/20/09 10:24 439292 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-042A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-17-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103040
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.1		1.2	0.50	mg/Kg-dry	1	04/09/09 11:32
Barium	94		12	0.12	mg/Kg-dry	1	04/09/09 11:32
Cadmium	0.30	J	1.2	0.12	mg/Kg-dry	1	04/09/09 11:32
Chromium	22		1.2	0.50	mg/Kg-dry	1	04/09/09 11:32
Lead	460		1.2	0.50	mg/Kg-dry	1	04/09/09 11:32
Selenium	ND		1.2	0.62	mg/Kg-dry	1	04/09/09 11:32
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 11:32

Qualifiers:

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

Print Date: 04/20/09 10:24 439206 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-043A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-18-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 15.0	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103041
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	11		1.2	0.47	mg/Kg-dry	1	04/09/09 11:36
Barium	90		12	0.12	mg/Kg-dry	1	04/09/09 11:36
Cadmium	0.50	J	1.2	0.12	mg/Kg-dry	1	04/09/09 11:36
Chromium	17		1.2	0.47	mg/Kg-dry	1	04/09/09 11:36
Lead	630		1.2	0.47	mg/Kg-dry	1	04/09/09 11:36
Selenium	0.97	J	1.2	0.59	mg/Kg-dry	1	04/09/09 11:36
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 11:36

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-044A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-19-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103045
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	21		1.3	0.52	mg/Kg-dry	1	04/09/09 11:50
Barium	100		13	0.13	mg/Kg-dry	1	04/09/09 11:50
Cadmium	0.55	J	1.3	0.13	mg/Kg-dry	1	04/09/09 11:50
Chromium	13		1.3	0.52	mg/Kg-dry	1	04/09/09 11:50
Lead	3000		1.3	0.52	mg/Kg-dry	1	04/09/09 11:50
Selenium	1.0	J	1.3	0.65	mg/Kg-dry	1	04/09/09 11:50
Silver	ND		1.3	0.26	mg/Kg-dry	1	04/09/09 11:50

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-045A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-20-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.8	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103050
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.5		1.3	0.51	mg/Kg-dry	1	04/09/09 12:07
Barium	92		13	0.13	mg/Kg-dry	1	04/09/09 12:07
Cadmium	0.58	J	1.3	0.13	mg/Kg-dry	1	04/09/09 12:07
Chromium	19		1.3	0.51	mg/Kg-dry	1	04/09/09 12:07
Lead	620		1.3	0.51	mg/Kg-dry	1	04/09/09 12:07
Selenium	0.75	J	1.3	0.63	mg/Kg-dry	1	04/09/09 12:07
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 12:07

Qualifiers:

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

Print Date: 04/20/09 10:24 439216 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-046A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-21-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:11
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.1	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103051
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	8.3		1.3	0.53	mg/Kg-dry	1	04/09/09 12:11
Barium	690		13	0.13	mg/Kg-dry	1	04/09/09 12:11
Cadmium	1.6		1.3	0.13	mg/Kg-dry	1	04/09/09 12:11
Chromium	27		1.3	0.53	mg/Kg-dry	1	04/09/09 12:11
Lead	5600		1.3	0.53	mg/Kg-dry	1	04/09/09 12:11
Selenium	0.79	J	1.3	0.66	mg/Kg-dry	1	04/09/09 12:11
Silver	0.81	J	1.3	0.26	mg/Kg-dry	1	04/09/09 12:11

Qualifiers:

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

Print Date: 04/20/09 10:24 439217 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-047A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-22-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 31.0	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103052
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	16		1.4	0.58	mg/Kg-dry	1	04/09/09 12:15
Barium	960		14	0.14	mg/Kg-dry	1	04/09/09 12:15
Cadmium	8.3		1.4	0.14	mg/Kg-dry	1	04/09/09 12:15
Chromium	42		1.4	0.58	mg/Kg-dry	1	04/09/09 12:15
Lead	730		1.4	0.58	mg/Kg-dry	1	04/09/09 12:15
Selenium	0.93	J	1.4	0.72	mg/Kg-dry	1	04/09/09 12:15
Silver	ND		1.4	0.29	mg/Kg-dry	1	04/09/09 12:15

Qualifiers:

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

Print Date: 04/20/09 10:24 439218 **Project Supervisor:** Anthony Crescenzi

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

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-048A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-23-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 39.2	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103053
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	15		1.6	0.66	mg/Kg-dry	1	04/09/09 12:18
Barium	100		16	0.16	mg/Kg-dry	1	04/09/09 12:18
Cadmium	2.5		1.6	0.16	mg/Kg-dry	1	04/09/09 12:18
Chromium	39		1.6	0.66	mg/Kg-dry	1	04/09/09 12:18
Lead	1500		1.6	0.66	mg/Kg-dry	1	04/09/09 12:18
Selenium	2.1		1.6	0.82	mg/Kg-dry	1	04/09/09 12:18
Silver	ND		1.6	0.33	mg/Kg-dry	1	04/09/09 12:18

Qualifiers:

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

Print Date: 04/20/09 10:24 439219 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-049A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103054
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	14		1.3	0.51	mg/Kg-dry	1	04/09/09 12:22
Barium	150		13	0.13	mg/Kg-dry	1	04/09/09 12:22
Cadmium	0.84	J	1.3	0.13	mg/Kg-dry	1	04/09/09 12:22
Chromium	44		1.3	0.51	mg/Kg-dry	1	04/09/09 12:22
Lead	220		1.3	0.51	mg/Kg-dry	1	04/09/09 12:22
Selenium	ND		1.3	0.64	mg/Kg-dry	1	04/09/09 12:22
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 12:22

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-001A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-01-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.27		0.12	0.010	mg/Kg-dry	1	04/10/09 12:11

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

Print Date: 04/16/09 15:19 438788 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-002A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-02-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 30.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.31		0.14	0.012	mg/Kg-dry	1	04/10/09 12:13

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-003A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-05-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 12.6	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.51		0.11	0.0096	mg/Kg-dry	1	04/10/09 12:16

Qualifiers:

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

Print Date: 04/16/09 15:19 438790 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-004A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-06-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:24
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 13.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.96		0.12	0.0097	mg/Kg-dry	1	04/10/09 12:18

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-005A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-07-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.2		0.12	0.0098	mg/Kg-dry	1	04/10/09 12:20

Qualifiers:

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

Print Date: 04/16/09 15:19 438792 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-006A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-08-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:47
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 15.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.70		0.12	0.0099	mg/Kg-dry	1	04/10/09 12:22

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-007A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-09-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.0	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	6.7	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:24

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

Print Date: 04/16/09 15:19 438794 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-007ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-09-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 24.0	**BatchNo:**	9231/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	8.2		2.6	0.22	mg/Kg-dry	20	04/10/09 15:30

Qualifiers:

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

Print Date: 04/16/09 15:19 438860 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-008A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-10-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 10:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.6	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:31

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

Print Date: 04/16/09 15:19 438797 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-008ADL
Project:	Tract II	**Client Sample ID:**	*9-32-136-TP-10-0309-(0-2*
W Order:	0904022	**Collection Date:**	03/31/09 10:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.6		1.3	0.11	mg/Kg-dry	10	04/10/09 15:32

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

Print Date: 04/16/09 15:19 438861 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-009A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-11-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.7		0.12	0.010	mg/Kg-dry	1	04/10/09 12:33

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

Print Date: 04/16/09 15:19 438798 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-010A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-12-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 12.1	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.35		0.11	0.0095	mg/Kg-dry	1	04/10/09 12:35

Qualifiers:

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

Print Date: 04/16/09 15:19 438799 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	3.2	E	0.12	0.010	mg/Kg-dry	1	04/10/09 12:42

Qualifiers:

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

Print Date: 04/16/09 15:19 438802 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	3.4		1.2	0.10	mg/Kg-dry	10	04/10/09 15:34

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

Print Date: 04/16/09 15:19 438862 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-012A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-14-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 12:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 22.4	**BatchNo:**	9231/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.47		0.13	0.011	mg/Kg-dry	1	04/10/09 12:44

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

Print Date: 04/16/09 15:19 438803 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-013A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-15-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.0	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.023	J	0.12	0.010	mg/Kg-dry	1	04/10/09 12:46

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	5.8	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:48

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 24.8	**BatchNo:**	9231/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	6.6		2.7	0.22	mg/Kg-dry	20	04/10/09 15:36

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

Print Date: 04/16/09 15:19 438863 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 21.1	**BatchNo:**	9231/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	3.8	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:50

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

Print Date: 04/16/09 15:19 438806 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015ADL**
Project:	Tract II	**Client Sample ID:**	*9-32-136-TP-17-0309-(0-2*
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	4.2		1.3	0.11	mg/Kg-dry	10	04/10/09 15:38

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

Print Date: 04/16/09 15:19 438864 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-016A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-18-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:33
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.51		0.13	0.011	mg/Kg-dry	1	04/10/09 12:57

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-017A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-19-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.26		0.12	0.010	mg/Kg-dry	1	04/10/09 12:59

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

Print Date: 04/16/09 15:19 438810 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-018A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-20-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.4	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.040	J	0.12	0.010	mg/Kg-dry	1	04/10/09 13:01

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

Print Date: 04/16/09 15:19 438811 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-019A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-21-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.4		0.13	0.011	mg/Kg-dry	1	04/10/09 13:03

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

Print Date: 04/16/09 15:19 438812 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-020A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-22-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 29.0	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.1		0.14	0.012	mg/Kg-dry	1	04/10/09 13:05

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

Print Date: 04/16/09 15:19 438813 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-021A**
Project:	Tract II	**Client Sample ID:**	*9-32-136-TP-23-0309-(0-2*
W Order:	0904022	**Collection Date:**	03/31/09 16:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 25.4	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.11	J	0.13	0.011	mg/Kg-dry	1	04/10/09 13:12

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

Print Date: 04/16/09 15:19 438816 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-022A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-24-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.059	J	0.13	0.011	mg/Kg-dry	1	04/10/09 13:14

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

Print Date: 04/16/09 15:19 438817 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-023A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-25-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 17:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.14		0.12	0.010	mg/Kg-dry	1	04/10/09 13:16

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

Print Date: 04/16/09 15:19 438818 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-024A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.8		0.13	0.011	mg/Kg-dry	1	04/10/09 13:23

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

Print Date: 04/16/09 15:19 438821 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-026A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-01-SS-01-03***
W Order:	0904022	**Collection Date:**	03/30/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.63		0.12	0.010	mg/Kg-dry	1	04/10/09 13:25

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

Print Date: 04/16/09 15:19 438822 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-027A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-02-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 16.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.10	J	0.12	0.010	mg/Kg-dry	1	04/10/09 13:27

Qualifiers:

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

Print Date: 04/16/09 15:19 438823 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-028A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-03-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.33		0.12	0.010	mg/Kg-dry	1	04/10/09 13:29

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

Print Date: 04/16/09 15:19 438824 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-029A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-04-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 16.5	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.19		0.12	0.010	mg/Kg-dry	1	04/10/09 13:32

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-030A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-05-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.013	J	0.12	0.0097	mg/Kg-dry	1	04/10/09 13:34

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-031A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-06-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 13.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.013	J	0.12	0.0096	mg/Kg-dry	1	04/10/09 13:36

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

Print Date: 04/16/09 15:19 438827 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-032A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-07-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:25
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.35		0.13	0.011	mg/Kg-dry	1	04/10/09 13:38

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

Print Date: 04/16/09 15:19 438828 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-033A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-08-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:35
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.10	J	0.13	0.011	mg/Kg-dry	1	04/10/09 13:49

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-034A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-09-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.3		0.12	0.0097	mg/Kg-dry	1	04/10/09 13:51

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

Print Date: 04/16/09 15:19 438834 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-035A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-10-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	16	E	0.13	0.011	mg/Kg-dry	1	04/10/09 13:53

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-035ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-10-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	280		130	11	mg/Kg-dry	1000	04/10/09 16:17

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

Print Date: 04/16/09 15:19 438875 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-036A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-11-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	13	E	0.12	0.010	mg/Kg-dry	1	04/10/09 13:55

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

Print Date: 04/16/09 15:19 438836 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-036ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-11-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	38		6.1	0.51	mg/Kg-dry	50	04/10/09 15:51

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

Print Date: 04/16/09 15:19 438869 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-037A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-12-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 22.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	12	E	0.13	0.011	mg/Kg-dry	1	04/10/09 13:58

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

Print Date: 04/16/09 15:19 438837 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-037ADL
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-12-0309*
W Order:	0904022	**Collection Date:**	03/31/09 13:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 22.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	23		6.4	0.54	mg/Kg-dry	50	04/10/09 15:53

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-038A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-13-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.1	E	0.13	0.010	mg/Kg-dry	1	04/10/09 14:00

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-038ADL**
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-13-0309*
W Order:	0904022	**Collection Date:**	03/31/09 13:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.3		0.63	0.052	mg/Kg-dry	5	04/10/09 15:55

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-039A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-14-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.46		0.13	0.010	mg/Kg-dry	1	04/10/09 14:02

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

Print Date: 04/16/09 15:19 438839 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-040A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-15-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.65		0.12	0.0097	mg/Kg-dry	1	04/10/09 14:04

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

Print Date: 04/16/09 15:19 438840 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-041A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-16-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.3	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.35		0.12	0.010	mg/Kg-dry	1	04/10/09 14:15

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

Print Date: 04/16/09 15:19 438845 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-042A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-17-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.038	J	0.12	0.010	mg/Kg-dry	1	04/10/09 14:17

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-043A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-18-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 15.0	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.047	J	0.12	0.0098	mg/Kg-dry	1	04/10/09 14:19

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

Print Date: 04/16/09 15:19 438847 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-044A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-19-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.28		0.13	0.011	mg/Kg-dry	1	04/10/09 14:21

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

Print Date: 04/16/09 15:19 438848 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-045A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-20-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.8	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.38		0.13	0.011	mg/Kg-dry	1	04/10/09 14:28

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

Print Date: 04/16/09 15:19 438851 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-046A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-21-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:11
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.1	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.4		0.13	0.011	mg/Kg-dry	1	04/10/09 14:30

Qualifiers:

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

Print Date: 04/16/09 15:19 438852 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-047A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-22-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 31.0	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	9.6	E	0.14	0.012	mg/Kg-dry	1	04/10/09 14:32

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

Print Date: 04/16/09 15:19 438853 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-047ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-22-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 31.0	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	13		2.9	0.24	mg/Kg-dry	20	04/10/09 16:02

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-048A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-23-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 39.2	**BatchNo:**	9233/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.32		0.16	0.014	mg/Kg-dry	1	04/10/09 14:34

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

Print Date: 04/16/09 15:19 438854 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-049A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	16	E	0.13	0.011	mg/Kg-dry	1	04/10/09 14:40

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-049ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	240		130	11	mg/Kg-dry	1000	04/10/09 16:20

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

Quality Control Results

Trace Metals Data

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-010AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09	RunNo:	16967
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/09	SeqNo:	439239
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.8	1.1	45.5	5.24	94	60	140				
Barium	135	11	45.5	140	0	60	140				S
Cadmium	39.8	1.1	45.5	1.72	84	60	140				
Chromium	78.6	1.1	45.5	37.3	91	60	140				
Lead	332	1.1	45.5	339	0	60	140				S
Selenium	41.4	1.1	45.5	0	91	60	140				
Silver	10.9	1.1	11.4	0.25	93	60	140				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010AMS**	SampType: **MS**	TestCode: **6010S**	Units: **mg/Kg-dry**	Prep Date: **4/8/09**		RunNo: **16967**			
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9222**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/09**		SeqNo: **439298**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	85.1	2.3	45.5	38.8	102	60	140				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-010AMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09	RunNo:	16967
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/09	SeqNo:	439240
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.2	1.1	45.5	5.24	94	60	140	47.8	1	20	
Barium	156	11	45.5	140	35	60	140	135	15	20	S
Cadmium	39.7	1.1	45.5	1.72	84	60	140	39.8	0	20	
Chromium	76.8	1.1	45.5	37.3	87	60	140	78.6	2	20	
Lead	336	1.1	45.5	339	0	60	140	332	1	20	S
Selenium	41.8	1.1	45.5	0	92	60	140	41.4	1	20	
Silver	10.9	1.1	11.4	0.25	94	60	140	10.9	0	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID:	0904022-010AMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09	RunNo:	16967
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/09	SeqNo:	439302
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	83.0	2.3	45.5	38.8	97	60	140	85.1	2	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID:	0904022-032AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-07-0309	Batch ID:	9223	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009	SeqNo:	439272
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	57.4	1.3	50.7	8.18	97	60	140				
Barium	190	13	50.7	155	70	60	140				
Cadmium	46.1	1.3	50.7	0.475	90	60	140				
Chromium	83.1	1.3	50.7	38.1	89	60	140				
Lead	164	1.3	50.7	109	110	60	140				
Selenium	47.8	1.3	50.7	0	94	60	140				
Silver	12.5	1.3	12.7	0	99	60	140				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **0904022-032AMSD**	SampType: **MSD**	TestCode: **6010S**	Units: **mg/Kg-dry**	Prep Date: **4/8/2009**		RunNo: **16967**			
Client ID: **9-32-136-SS-07-0309**	Batch ID: **9223**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**		SeqNo: **439276**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.9	1.3	50.7	8.18	90	60	140	57.4	6	20	
Barium	123	13	50.7	155	0	60	140	190	43	20	RS
Cadmium	46.3	1.3	50.7	0.475	90	60	140	46.1	0	20	
Chromium	197	1.3	50.7	38.1	314	60	140	83.1	81	20	RS
Lead	108	1.3	50.7	109	0	60	140	164	41	20	RS
Selenium	47.3	1.3	50.7	0	93	60	140	47.8	1	20	
Silver	12.4	1.3	12.7	0	98	60	140	12.5	1	20	

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-044AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009
Client ID:	9-32-136-SS-19-0309	Batch ID:	9224	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	78.3	1.3	52.2	21	110	60	140				
Barium	154	13	52.2	103	97	60	140				
Cadmium	51.9	1.3	52.2	0.547	98	60	140				
Chromium	64.4	1.3	52.2	12.6	99	60	140				
Lead	3280	1.3	52.2	3030	487	60	140				S
Selenium	52.3	1.3	52.2	1	98	60	140				
Silver	13.6	1.3	13.1	0	104	60	140				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-044AMSD**	SampType: **MSD**	TestCode: **6010S**	Units: **mg/Kg-dry**	Prep Date: **4/8/2009**		RunNo: **16967**			
Client ID: **9-32-136-SS-19-0309**	Batch ID: **9224**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**		SeqNo: **439213**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	77.2	1.3	52.2	21	108	60	140	78.3	1	20	
Barium	139	13	52.2	103	70	60	140	154	10	20	
Cadmium	51.4	1.3	52.2	0.547	97	60	140	51.9	1	20	
Chromium	62.4	1.3	52.2	12.6	95	60	140	64.4	3	20	
Lead	2810	1.3	52.2	3030	0	60	140	3280	16	20	S
Selenium	51.2	1.3	52.2	1	96	60	140	52.3	2	20	
Silver	13.2	1.3	13.1	0	101	60	140	13.6	3	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010A**	SampType: **PDS**	TestCode: **6010S**	Units: **mg/Kg-dry**	Prep Date: **4/8/09**		RunNo: **16967**			
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9222**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/09**		SeqNo: **439242**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.4	1.1	45.5	5.24	95	75	125				
Barium	173	11	45.5	140	72	75	125				S
Cadmium	39.8	1.1	45.5	1.72	84	75	125				
Chromium	75.1	1.1	45.5	37.3	83	75	125				
Lead	360	1.1	45.5	339	47	75	125				S
Selenium	42.3	1.1	45.5	0	93	75	125				
Silver	11.1	1.1	11.4	0.25	95	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010A**	SampType: **PDS**	TestCode: **6010S**	Units: **mg/Kg-dry**	Prep Date: **4/8/09**		RunNo: **16967**					
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9222**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/09**		SeqNo: **439304**					
Instrument:	ColumnID:										

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	120	2.3	91	38.8	89	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032A	SampType:	PDS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-07-0309	Batch ID:	9223	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/2009	SeqNo:	439278
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	56.5	1.3	50.7	8.18	95	75	125				
Barium	193	13	50.7	155	76	75	125				
Cadmium	43.9	1.3	50.7	0.475	86	75	125				
Chromium	82.2	1.3	50.7	38.1	87	75	125				
Lead	150	1.3	50.7	109	81	75	125				
Selenium	47.4	1.3	50.7	0	93	75	125				
Silver	12.1	1.3	12.7	0	96	75	125				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-044A	SampType:	PDS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-19-0309	Batch ID:	9224	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009	SeqNo:	439215
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	71.8	1.3	52.2	21	97	75	125				
Barium	146	13	52.2	103	82	75	125				
Cadmium	49.7	1.3	52.2	0.547	94	75	125				
Chromium	62.4	1.3	52.2	12.6	95	75	125				
Lead	2960	1.3	52.2	3030	0	75	125				S
Selenium	52.2	1.3	52.2	1	98	75	125				
Silver	12.9	1.3	13.1	0	99	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9222** SampType: **LCS** TestCode: **6010S** Units: **mg/Kg** Prep Date: **4/8/2009** RunNo: **16967**
Client ID: **ZZZZZ** Batch ID: **9222** Method: **SW6010B** **(SW3050B)** Analysis Date: **4/9/2009** SeqNo: **439225**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	19.7	1.0	20	0	98	85	115				
Barium	18.9	10	20	0	95	85	115				
Cadmium	19.5	1.0	20	0	97	85	115				
Chromium	20.2	1.0	20	0	101	85	115				
Lead	20.4	1.0	20	0	102	85	115				
Selenium	19.3	1.0	20	0	96	85	115				
Silver	4.88	1.0	5	0	98	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9223**	SampType: **LCS**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**	RunNo: **16967**		
Client ID: **ZZZZZ**	Batch ID: **9223**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**	SeqNo: **439257**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	19.3	1.0	20	0	97	85	115				
Barium	18.9	10	20	0	95	85	115				
Cadmium	18.9	1.0	20	0	94	85	115				
Chromium	19.6	1.0	20	0	98	85	115				
Lead	19.1	1.0	20	0	96	85	115				
Selenium	18.7	1.0	20	0	94	85	115				
Silver	4.75	1.0	5	0	95	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	LCS-9224	SampType:	LCS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	4/8/2009
Client ID:	ZZZZZ	Batch ID:	9224	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20.9	1.0	20	0	105	85	115				
Barium	20.0	10	20	0	100	85	115				
Cadmium	20.4	1.0	20	0	102	85	115				
Chromium	21.1	1.0	20	0	105	85	115				
Lead	21.0	1.0	20	0	105	85	115				
Selenium	20.1	1.0	20	0	100	85	115				
Silver	5.16	1.0	5	0	103	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	**MB-9222**	SampType:	**MBLK**	TestCode:	**6010S**	Units:	**mg/Kg**	Prep Date:	**4/8/2009**		RunNo:	**16967**	
Client ID:	**ZZZZZ**	Batch ID:	**9222**	Method:	**SW6010B**		**(SW3050B)**	Analysis Date:	**4/9/2009**		SeqNo:	**439224**	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	10									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9223**	SampType: **MBLK**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**		RunNo: **16967**	
Client ID: **ZZZZZ**	Batch ID: **9223**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**		SeqNo: **439256**	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	10									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	0.660	1.0									J
Selenium	ND	1.0									
Silver	ND	1.0									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9224**	SampType: **MBLK**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**	RunNo: **16967**				
Client ID: **ZZZZZ**	Batch ID: **9224**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**	SeqNo: **439201**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	10									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

Mercury Data

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010AMS**	SampType: **MS**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**	RunNo: **16958**				
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438800**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.616	0.11	0.38	0.347	71	27	153				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010AMSD**	SampType: **MSD**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438801**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.652	0.11	0.38	0.347	80	27	153	0.616	5.8	15	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032AMS	SampType:	MS	TestCode:	HG7471S	Units:	mg/Kg-dry	Prep Date:	4/9/2009	RunNo:	16958
Client ID:	9-32-136-SS-07-0309	Batch ID:	9232	Method:	SW7471A		(SW7471A)	Analysis Date:	4/10/2009	SeqNo:	438829
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.750	0.13	0.423	0.349	95	27	153				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-032AMSD**	SampType: **MSD**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-SS-07-0309**	Batch ID: **9232**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438830**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.869	0.13	0.423	0.349	123	27	153	0.75	15	15	

Qualifiers:

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

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-044AMS**	SampType: **MS**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**	RunNo: **16958**
Client ID: **9-32-136-SS-19-0309**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438849**
Instrument:	ColumnID:				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.575	0.13	0.436	0.28	68	27	153				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-044AMSD**	SampType: **MSD**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-SS-19-0309**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438850**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.714	0.13	0.436	0.28	100	27	153	0.575	21	15	R

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9231**	SampType: **LCS**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**		
Client ID: **ZZZZZ**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438787**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.821	0.10	0.835	0	98	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9232**	SampType: **LCS**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**		
Client ID: **ZZZZZ**	Batch ID: **9232**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438815**		
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.836	0.10	0.835	0	100	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9233**	SampType: **LCS**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**				
Client ID: **ZZZZZ**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438842**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.823	0.10	0.835	0	99	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9231**	SampType: **MBLK**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**		RunNo: **16958**	
Client ID: **ZZZZZ**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438786**	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **MB-9232**	SampType: **MBLK**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**				
Client ID: **ZZZZZ**	Batch ID: **9232**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438814**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **MB-9233**	SampType: **MBLK**	TestCode: **HG7471S**	Units: **mg/Kg**		Prep Date: **4/9/2009**			RunNo: **16958**				
Client ID: **ZZZZZ**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**		Analysis Date: **4/10/2009**			SeqNo: **438841**				
Instrument:	ColumnID:											
Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	
Mercury	ND	0.10										

Qualifiers:

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

Sample Data Package

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
9-32-136-TP-01-0309-(0-2)	0904022-001	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-02-0309-(0-2)	0904022-002	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-05-0309-(0-2)	0904022-003	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-06-0309-(0-2)	0904022-004	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-07-0309-(0-2)	0904022-005	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-08-0309-(0-2)	0904022-006	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-09-0309-(0-2)	0904022-007	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-10-0309-(0-2)	0904022-008	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-11-0309-(0-2)	0904022-009	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-12-0309-(0-2)	0904022-010	DUP						SM 2540 G
9-32-136-TP-12-0309-(0-2)	0904022-010	MS					SW6010B SW7471A	
9-32-136-TP-12-0309-(0-2)	0904022-010	MSD					SW6010B SW7471A	
9-32-136-TP-12-0309-(0-2)	0904022-010	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-13-0309-(0-2)	0904022-011	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-14-0309-(0-2)	0904022-012	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-15-0309-(0-2)	0904022-013	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-16-0309-(0-2)	0904022-014	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-17-0309-(0-2)	0904022-015	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-18-0309-(0-2)	0904022-016	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-19-0309-(0-2)	0904022-017	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-20-0309-(0-2)	0904022-018	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-21-0309-(0-2)	0904022-019	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-22-0309-(0-2)	0904022-020	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-23-0309-(0-2)	0904022-021	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-24-0309-(0-2)	0904022-022	SAMP					SW7471A SW6010B	SM 2540 G

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
9-32-136-TP-25-0309-(0-2)	0904022-023	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-TP-DUP-0309	0904022-024	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-01-SS-01-0309	0904022-026	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-02-0309	0904022-027	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-03-0309	0904022-028	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-04-0309	0904022-029	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-05-0309	0904022-030	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-06-0309	0904022-031	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-07-0309	0904022-032	DUP						SM 2540 G
9-32-136-SS-07-0309	0904022-032	MS					SW6010B SW7471A	
9-32-136-SS-07-0309	0904022-032	MSD					SW6010B SW7471A	
9-32-136-SS-07-0309	0904022-032	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-08-0309	0904022-033	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-09-0309	0904022-034	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-10-0309	0904022-035	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-11-0309	0904022-036	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-12-0309	0904022-037	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-13-0309	0904022-038	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-14-0309	0904022-039	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-15-0309	0904022-040	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-16-0309	0904022-041	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-17-0309	0904022-042	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-18-0309	0904022-043	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-19-0309	0904022-044	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-20-0309	0904022-045	SAMP					SW7471A SW6010B	SM 2540 G

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-I

SAMPLE IDENTIFICATION AND ANALYTICAL SUMMARY

NYS DEC SAMPLE ID	LABORATORY SAMPLE ID	Type	Analytical Requirements					
			VOA GC/MS Method #	BNA GC/MS Method #	VOA GC Method #	MISC GC Method #	METALS Method #	OTHER Method #
9-32-136-SS-21-0309	0904022-046	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-22-0309	0904022-047	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-23-0309	0904022-048	SAMP					SW7471A SW6010B	SM 2540 G
9-32-136-SS-DUP-0309	0904022-049	SAMP					SW7471A SW6010B	SM 2540 G

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-001A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-002A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-003A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-003ADL	Soil	Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-004A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-004ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-005A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-005ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-006A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-007A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-008A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-009A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-009ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-010A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-010ADL	Soil	Cr	04/03/2009	04/08/2009	04/09/2009
0904022-010AMS	Soil	Cr	04/03/2009	04/08/2009	04/09/2009
0904022-010AMS	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-010AMSD	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-010AMSD	Soil	Cr	04/03/2009	04/08/2009	04/09/2009
0904022-011A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-011ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-012A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-013A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-014A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-014ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-015A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-015ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-016A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-017A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-018A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-019A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-019ADL	Soil	Pb	04/03/2009	04/08/2009	04/09/2009
0904022-020A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-021A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-022A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-023A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-024A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-026A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-027A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-028A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-029A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-029ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-030A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-030ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-031A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-031ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-032A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-032AMS	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-032AMSD	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-033A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-033ADL	Soil	Se	04/03/2009	04/08/2009	04/09/2009
0904022-034A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-035A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-036A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-037A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-038A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-039A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-040A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-041A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-042A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-043A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-044A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-044AMS	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-044AMSD	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-045A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-046A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-047A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-048A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009
0904022-049A	Soil	Ag As Ba Cd Cr Pb Se	04/03/2009	04/08/2009	04/09/2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-001A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-002A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-003A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-004A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-005A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-006A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-007A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-007ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-008A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-008ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-009A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-010A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-010AMS	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-010AMSD	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-011A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-011ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-012A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-013A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-014A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-014ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-015A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-015ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-016A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-017A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-018A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-019A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-020A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-021A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-022A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-023A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-024A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-026A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-027A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-028A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-029A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-030A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-031A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-032A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-032AMS	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-032AMSD	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-033A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-034A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-035A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-035ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-036A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-036ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-037A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-037ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

FORM S-IV

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

LABORATORY SAMPLE ID	MATRIX	METALS REQUESTED	DATE REC'D AT LAB	DATE DIGESTED	DATE ANALYZED
0904022-038A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-038ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-039A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-040A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-041A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-042A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-043A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-044A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-044AMS	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-044AMSD	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-045A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-046A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-047A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-047ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-048A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-049A	Soil	Hg	04/03/2009	04/09/2009	04/10/2009
0904022-049ADL	Soil	Hg	04/03/2009	04/09/2009	04/10/2009

Project Management Case Narrative

INTRODUCTION/ANALYTICAL RESULTS

This report summarizes the laboratory results for EA Engineering Science & Technology, Tract II project.

CONDITION UPON RECEIPT/CHAIN OF CUSTODY

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

Discrepancies noted upon receipt are listed on the sample receipt checklist located in the chain of custody section of the report. The temperatures of the iced coolers ranged from -0.6°C to 1.8°C.

METHODOLOGY

The following methods were used to perform the analyses:

PARAMETER	METHOD	REFERENCE
ICP Metals	6010B	1
Mercury	7471A	1
Percent Moisture	ASTM D2216	2

1) Test Methods for Evaluation Solid Wastes, SW-846 Third Edition, Final Update III, December 1996.

2) ASTM

QUALITY CONTROL

QA/QC results are summarized in the Laboratory Report Package and are also included in the raw data.

RAW DATA

The raw data is organized in the New York State Department of Environmental Conservation Analytical Services Protocol Catagory "B" order of data requirements.

Total # of pages in this report_____

Trace Metals Case Narrative

Client ID:	EA
Project/Order:	Tract II
Work Order:	0904022
Methodology:	ICP metals – SW 6010B

Analyzed/Reviewed by (Date/Initials): 4/16/09 CT

Supervisor/Reviewed by (Date/Initials): 4/16/09 mT

QA/QC Review (Date/Initials): 4/20/09

Trace Metals

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

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

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

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
9-32-136-TP-12-0309-(0-2)	0904022-010A	Ba	X		1
		Pb	X		2
9-32-136-SS-07-0309	0904022-032A	Ba,Cr,Pb	X	X	1
9-32-136-SS-19-0309	0904022-044A	Pb	X		2

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

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

ICP Serial Dilution
The following analyte did not meet ICP serial dilution recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
9-32-136-SS-07-0309	0904022-032A	Cr	1

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

Client ID:	EA
Project/Order:	Tract II
Work Order:	0904022
Methodology:	ICP metals – SW 6010B

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

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

Miscellaneous
Several samples were diluted and reanalyzed for elements above the linear range and /or their associated interelement correction factors (IEC) elements.

Trace Metals Case Narrative

Client ID:	EA
Project/Order:	Tract II
Work Order #:	0904022
Methodology:	Mercury – SW 7471A

Analyzed/Reviewed by (Date/Initials): 4/16/09 CT

Supervisor/Reviewed by (Date/Initials): 4/16/09 MI

QA/QC Review (Date/Initials): 4/20/09 JLL

Trace Metals

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

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

MS/MSD AND MS/MSD RPD
The following analyte did not meet MS/MSD RPD criteria:

Sample Description	Sample #	Analyte	% REC	RPD	Corrective Action
9-32-136-SS-19-0309	0904022-044A	Hg		X	1

1. Both MS/MSD recoveries met QC criteria. No corrective action was taken.

CVAA Dilution Test
All percent differences met method and/or project specific QC criteria.

CVAA Recovery Test
The following analyte did not meet CVAA recovery criteria:

Sample Description	Sample #	Analyte	Corrective Action
9-32-136-TP-06-0309-(0-2)	0904022-004A	Hg	1

1. The dilution test met QC criteria. No further corrective action was taken.

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

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

Chain of Custody

External Chain of Custody

Life Science Laboratories, Inc.
Brittonfield Lab

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

Chain of Custody

Client: EA Engineering

Project: TRACT #

Sampled by: Kris Charney

Client Contact: Judy Graham Phone # 315-431-4610

JGraham@CAEST.com

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TAL METALS (RCRA 6)	Comments
9-32-136-TP-01-0309-(0-2)	3-30-9	1115	Soil	Comp	1	X	
9-32-136-TP-02-0309-(0-2)	3-30-9	1100	"	"	1	X	
9-32-136-TP-05-0309-(0-2)	3-30-9	1515	"	"	1	X	
9-32-136-TP-06-0309-(0-2)	3-30-9	1524	"	"	1	X	
9-32-136-TP-07-0309-(0-2)	3-31-9	915	"	"	1	X	
9-32-136-TP-08-0309-(0-2)	3-30-9	1547	"	"	1	X	
9-32-136-TP-09-0309-(0-2)	3-31-9	945	"	"	1	X	
9-32-136-TP-10-0309-(0-2)	3-31-9	1015	"	"	1	X	
9-32-136-TP-11-0309-(0-2)	3-31-9	1115	"	"	1	X	
9-32-136-TP-12-0309-(0-2)	3-31-9	1130	"	"	1	X	
9-32-136-TP-13-0309-(0-2)	3-31-9	1315	"	"	1	X	
9-32-136-TP-14-0309-(0-2)	3-31-9	1245	"	"	1	X	

Relinquished by:	Date: 5-31-09 Time: 1700	Received by:	Date: Time:
Relinquished by:	Date: 4-3-09 Time: 1030	Received by:	Date: Time:
Relinquished by:	Date: Time:	Received by Lab:	Date: 4/3/09 Time: 1030
Shipment Method:		Airbill Number:	

Turnaround Time Required:

Routine X

Rush (Specify)

Temperature: 1.8°, 1.8°, -0.6 °C ON ICE

Comments: SAVE all samples for possible TCLP Analysis @ later Date

Original - Laboratory
Copy - Client

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Life Science Laboratories, Inc.
Brittonfield Lab

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

Chain of Custody

Client: EA Engineering
Project: TRACT II
Sampled by: Kris Charney
Client Contact: Judy Graham Phone # 315-431-4610
JGraham@EAEst.com

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TAL METALS - (RCRA 8)							Comments
9-32-136-TP-15-0309-(0-2)	3-31-9	1150	Soil	comp	1	X							
9-32-136-TP-16-0309-(0-2)	3-31-9	1345	"	"	1	X							
9-32-136-TP-17-0309-(0-2)	3-31-9	1410	"	"	1	X							
9-32-136-TP-18-0309-(0-2)	3-31-9	1433	"	"	1	X							
9-32-136-TP-19-0309-(0-2)	3-31-9	1530	"	"	1	X							
9-32-136-TP-20-0309-(0-2)	3-31-9	1515	"	"	1	X							
9-32-136-TP-21-0309-(0-2)	3-31-9	1500	"	"	1	X							
9-32-136-TP-22-0309-(0-2)	3-31-9	1545	"	"	1	X							
9-32-136-TP-23-0309-(0-2)	3-31-9	1600	"	"	1	X							
9-32-136-TP-24-0309-(0-2)	3-31-09	1610	"	"	1	X							
9-32-136-TP-25-0309-(0-2)	3-31-09	1700	"	"	1	X							
9-32-136-TP-DUP-0309	—	—	"	"	1	X							

Relinquished by:	Date: 3-31-09	Time: 1700	Received by: Date: Time:
Relinquished by:	Date: 4-3-09	Time: 1630	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: Date: 4/3/09 Time: 1030
Shipment Method:			Airbill Number:

Turnaround Time Required:
Routine X
Rush (Specify)
Temperature: 1.8°, 1.8°, -0.6°C on ice

Comments: ☆ SAVE All samples For possible TCLP Analysis @ Later Date ☆

Original - Laboratory
Copy - Client

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Life Science Laboratories, Inc.
Brittonfield Lab

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

Chain of Custody

Client: EA Engineering
Project: TRACT II
Sampled by: kris charney
Client Contact: Judy Graham Phone # 315-431-4610
JGraham@EAEST.com

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	Analysis/Method: TAL METALS (RCRA 6)	Comments
9-32-136-TP-MS/MSD-0309	3-31-09	1130	soil	comp	2	X	
9-32-136-55-01-0309	3-30-09	1150	"	Grab	1	X	
9-32-136-55-02-0309	3-30-09	1155	"	"	1	X	
9-32-136-55-03-0309	3-30-09	1140	"	"	1	X	
9-32-136-55-04-0309	3-30-09	1145	"	"	1	X	
9-32-136-55-05-0309	3-31-09	1630	"	"	1	X	
9-32-136-55-06-0309	3-31-09	1640	"	"	1	X	
9-32-136-55-07-0309	3-31-09	1635	"	"	1	X	
9-32-136-55-08-0309	3-31-09	1635	"	"	1	X	
9-32-136-55-09-0309	3-31-09	1645	"	"	1	X	
9-32-136-55-10-0309	3-31-09	1310	"	"	1	X	
9-32-136-55-11-0309	3-31-09	1320	"	"	1	X	

Relinquished by: Date: 3-31-09 Time: 1700
Relinquished by: Date: 4-3-09 Time: 1030
Relinquished by: Date: Time:
Shipment Method:

Received by: Date: Time:
Received by: Date: Time:
Received by Lab: Date: 4/3/09 Time: 1030
Airbill Number:

Turnaround Time Required:
Routine X
Rush (Specify)

Temperature: 1.8°, 1.8°, -0.6 °C on ice

Comments: SAVE ALL SAMPLES FOR possible TCLP Analysis @ Later Date

Original - Laboratory
Copy - Client

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Life Science Laboratories, Inc.
Brittonfield Lab

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

Chain of Custody

Client: EA Engineering
Project: Tract II
Sampled by: Kris Charney
Client Contact: Judy Graham Phone # 315-431-4610
JGraham@CAEST.com

Sample Description

Sample Location	Date Collected	Time Collected	Sample Matrix	Comp. or Grab	No. of Containers	TAL METALS (RCRA)							Comments
9-32-136-55-12-0309	3-31-09	1330	SOIL	GRAB	1	X							
9-32-136-55-13-0309	3-31-09	1340	"	"	1	X							
9-32-136-55-14-0309	3-31-09	1350	"	"	1	X							
9-32-136-55-15-0309	3-31-09	1400	"	"	1	X							
9-32-136-55-16-0309	3-31-09	1410	"	"	1	X							
9-32-136-55-17-0309	3-31-09	1420	"	"	1	X							
9-32-136-55-18-0309	3-31-09	1430	"	"	1	X							
9-32-136-55-19-0309	3-31-09	1620	"	"	1	X							
9-32-136-55-20-0309	3-31-09	1615	"	"	1	X							
9-32-136-55-21-0309	3-31-09	1611	"	"	1	X							
9-32-136-55-22-0309	3-31-09	1545	"	"	1	X							
9-32-136-55-23-0309	3-31-09	1555	"	"	1	X							
9-32-136-55-DUP-0309	—	—	"	"	1	X							
9-32-136-55-MS/MSD-0309	3-31-09	1625	"	"	2	X							

Relinquished by:	Date: 3-31-09	Time: 1700	Received by: Date: Time:
Relinquished by:	Date: 4-3-09	Time: 1030	Received by: Date: Time:
Relinquished by:	Date:	Time:	Received by Lab: Date: 4/5/09 Time: 1050
Shipment Method:			Airbill Number:

Turnaround Time Required:
Routine ✓
Rush (Specify)

Temperature: 1.8°, 1.8°, -0.6°C ON ICE

Comments: SAVE ALL SAMPLES FOR POSSIBLE TCLP ANALYSIS @ Later Date.

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Original - Laboratory
Copy - Client

Life Science Laboratories, Inc.

Sample Receipt Checklist

Client Name: **EA**

Date and Time Received: **4/3/2009 10:30:00 AM**

Work Order Number: **0904022**

Received by: ads

Checklist completed by: AC (Initials) 4-6-09 (Date)

Reviewed by: AC (Initials) 4-6-09 (Date)

Delivery Method: Hand Delivered

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

Comments:

9-32-136-TP-MS/MSD-0309 has a parent sample of "TP12" and 9-32-136-SS-MS/MSD-0309 has a parent sample of "SS07" per Kris Charney 4/3/09 - AC

Corrective Action:

Client/Project 0904022 EA

Sample Control Record

Sample ID	Frac	Client Sample ID	Removed By	Date and Time Removed	Analysis	Date and Time Returned
0904022-001-021	A		DR	4/6/09 @ 16:00	Hg, ICP	4/6/09 17:30
0904022-001-~~050~~049*	A		HK	4-6-09 16[00]	PMOIST	4-6-09 18[30]
0904022-021→24	A		DR	4-7-09 10:30	ICP, Hg	4-7-09 16:00
0904022-026→049	A		DR	4-7-09 10:30	ICP, Hg	4-7-09 16:00

*HK 4-6-09

Internal Chain of Custody

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 9222 Date Digested : 4/8/09

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
EA Engineering	0904022-001A → 020A	← Same	C. Tran	4/9/09	9:30	17:00

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 9223 Date Digested : 4/8/09

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
EA Engineering	0904022-021A → 024A -026A → 040A	← Same	C. Tran	4/9/09	9:30	17:00

ICP METALS SAMPLE CONTROL LOG

QC Batch # : 9224 Date Digested : 4/8/09

Client / Job Number	Laboratory Sample Number Range	Laboratory Sample Numbers Removed	Removed By	Date Removed	Time Removed	Time Returned
EA Engineering	0904022-041A → 049A	← Same	C. Tran	4/9/09	9:30	17:00

Raw Data

Trace Metals Data

Analytical Results

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-001A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-01-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103060
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	9.8		1.2	0.50	mg/Kg-dry	1	04/09/09 12:43
Barium	280		12	0.12	mg/Kg-dry	1	04/09/09 12:43
Cadmium	1.8		1.2	0.12	mg/Kg-dry	1	04/09/09 12:43
Chromium	32		1.2	0.50	mg/Kg-dry	1	04/09/09 12:43
Lead	320		1.2	0.50	mg/Kg-dry	1	04/09/09 12:43
Selenium	ND		1.2	0.62	mg/Kg-dry	1	04/09/09 12:43
Silver	0.30	J	1.2	0.25	mg/Kg-dry	1	04/09/09 12:43

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-002A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-02-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 30.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103061
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	6.4		1.4	0.58	mg/Kg-dry	1	04/09/09 12:46
Barium	500		14	0.14	mg/Kg-dry	1	04/09/09 12:46
Cadmium	0.71	J	1.4	0.14	mg/Kg-dry	1	04/09/09 12:46
Chromium	25		1.4	0.58	mg/Kg-dry	1	04/09/09 12:46
Lead	99		1.4	0.58	mg/Kg-dry	1	04/09/09 12:46
Selenium	ND		1.4	0.72	mg/Kg-dry	1	04/09/09 12:46
Silver	ND		1.4	0.29	mg/Kg-dry	1	04/09/09 12:46

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-003A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-05-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.6	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103062
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	6.2		1.1	0.46	mg/Kg-dry	1	04/09/09 12:50
Barium	290		11	0.11	mg/Kg-dry	1	04/09/09 12:50
Cadmium	0.62	J	1.1	0.11	mg/Kg-dry	1	04/09/09 12:50
Chromium	170		1.1	0.46	mg/Kg-dry	1	04/09/09 12:50
Lead	160		1.1	0.46	mg/Kg-dry	1	04/09/09 12:50
Selenium	3.4		1.1	0.57	mg/Kg-dry	1	04/09/09 12:50
Silver	ND		1.1	0.23	mg/Kg-dry	1	04/09/09 12:50

Qualifiers:

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

Print Date: 04/20/09 10:29 439228 **Project Supervisor:** Anthony Crescenzi

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

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-003ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-05-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.6	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103127
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	170		5.7	2.3	mg/Kg-dry	5	04/09/09 17:27
Selenium	4.3	J	5.7	2.9	mg/Kg-dry	5	04/09/09 17:27

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-004A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-06-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:24
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103063
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.9		1.2	0.46	mg/Kg-dry	1	04/09/09 12:53
Barium	360		12	0.12	mg/Kg-dry	1	04/09/09 12:53
Cadmium	0.94	J	1.2	0.12	mg/Kg-dry	1	04/09/09 12:53
Chromium	89		1.2	0.46	mg/Kg-dry	1	04/09/09 12:53
Lead	170		1.2	0.46	mg/Kg-dry	1	04/09/09 12:53
Selenium	2.5		1.2	0.58	mg/Kg-dry	1	04/09/09 12:53
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 12:53

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-004ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-06-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:24
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103128
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.8	2.9	mg/Kg-dry	5	04/09/09 17:32

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-005A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-07-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103064
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	10		1.2	0.47	mg/Kg-dry	1	04/09/09 12:57
Barium	240		12	0.12	mg/Kg-dry	1	04/09/09 12:57
Cadmium	0.63	J	1.2	0.12	mg/Kg-dry	1	04/09/09 12:57
Chromium	25		1.2	0.47	mg/Kg-dry	1	04/09/09 12:57
Lead	6700		1.2	0.47	mg/Kg-dry	1	04/09/09 12:57
Selenium	2.4		1.2	0.59	mg/Kg-dry	1	04/09/09 12:57
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 12:57

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-005ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-07-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103129
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.9	2.9	mg/Kg-dry	5	04/09/09 17:36

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-006A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-08-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:47
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 15.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103065
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	4.1		1.2	0.48	mg/Kg-dry	1	04/09/09 13:00
Barium	97		12	0.12	mg/Kg-dry	1	04/09/09 13:00
Cadmium	0.43	J	1.2	0.12	mg/Kg-dry	1	04/09/09 13:00
Chromium	22		1.2	0.48	mg/Kg-dry	1	04/09/09 13:00
Lead	260		1.2	0.48	mg/Kg-dry	1	04/09/09 13:00
Selenium	ND		1.2	0.59	mg/Kg-dry	1	04/09/09 13:00
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 13:00

Qualifiers:

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

Print Date: 04/20/09 10:29 439231 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-007A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-09-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.0	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103066
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	11		1.3	0.53	mg/Kg-dry	1	04/09/09 13:04
Barium	95		13	0.13	mg/Kg-dry	1	04/09/09 13:04
Cadmium	0.78	J	1.3	0.13	mg/Kg-dry	1	04/09/09 13:04
Chromium	32		1.3	0.53	mg/Kg-dry	1	04/09/09 13:04
Lead	540		1.3	0.53	mg/Kg-dry	1	04/09/09 13:04
Selenium	ND		1.3	0.66	mg/Kg-dry	1	04/09/09 13:04
Silver	2.8		1.3	0.26	mg/Kg-dry	1	04/09/09 13:04

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-008A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-10-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 10:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103067
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	12		1.3	0.52	mg/Kg-dry	1	04/09/09 13:08
Barium	450		13	0.13	mg/Kg-dry	1	04/09/09 13:08
Cadmium	3.3		1.3	0.13	mg/Kg-dry	1	04/09/09 13:08
Chromium	48		1.3	0.52	mg/Kg-dry	1	04/09/09 13:08
Lead	1300		1.3	0.52	mg/Kg-dry	1	04/09/09 13:08
Selenium	1.6		1.3	0.66	mg/Kg-dry	1	04/09/09 13:08
Silver	0.41	J	1.3	0.26	mg/Kg-dry	1	04/09/09 13:08

Qualifiers:

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

Print Date: 04/20/09 10:29 439233 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-009A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-11-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103071
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	23		1.2	0.49	mg/Kg-dry	1	04/09/09 13:22
Barium	440		12	0.12	mg/Kg-dry	1	04/09/09 13:22
Cadmium	1.9		1.2	0.12	mg/Kg-dry	1	04/09/09 13:22
Chromium	38		1.2	0.49	mg/Kg-dry	1	04/09/09 13:22
Lead	18000		1.2	0.49	mg/Kg-dry	1	04/09/09 13:22
Selenium	1.1	J	1.2	0.61	mg/Kg-dry	1	04/09/09 13:22
Silver	1.2	J	1.2	0.24	mg/Kg-dry	1	04/09/09 13:22

Qualifiers:

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

Print Date: 04/20/09 10:29 439237 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-009ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-11-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103130
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		6.1	3.0	mg/Kg-dry	5	04/09/09 17:40

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

Print Date: 04/20/09 10:29 439296 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-010A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-12-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103072
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.2		1.1	0.46	mg/Kg-dry	1	04/09/09 13:25
Barium	140		11	0.11	mg/Kg-dry	1	04/09/09 13:25
Cadmium	1.7		1.1	0.11	mg/Kg-dry	1	04/09/09 13:25
Chromium	37		1.1	0.46	mg/Kg-dry	1	04/09/09 13:25
Lead	340		1.1	0.46	mg/Kg-dry	1	04/09/09 13:25
Selenium	ND		1.1	0.57	mg/Kg-dry	1	04/09/09 13:25
Silver	0.25	J	1.1	0.23	mg/Kg-dry	1	04/09/09 13:25

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-010ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-12-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 12.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103131
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Chromium	39		2.3	0.91	mg/Kg-dry	2	04/09/09 17:45

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

Print Date: 04/20/09 10:29 439297 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103077
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	37		1.2	0.50	mg/Kg-dry	1	04/09/09 13:43
Barium	770		12	0.12	mg/Kg-dry	1	04/09/09 13:43
Cadmium	1.9		1.2	0.12	mg/Kg-dry	1	04/09/09 13:43
Chromium	26		1.2	0.50	mg/Kg-dry	1	04/09/09 13:43
Lead	63000	E	1.2	0.50	mg/Kg-dry	1	04/09/09 13:43
Selenium	0.81	J	1.2	0.62	mg/Kg-dry	1	04/09/09 13:43
Silver	3.6		1.2	0.25	mg/Kg-dry	1	04/09/09 13:43

Qualifiers:

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

Print Date: 04/20/09 10:29 439243 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103139
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	63000		25	10	mg/Kg-dry	20	04/09/09 18:21

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

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-012A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-14-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 12:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 22.4	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103078
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	27		1.3	0.52	mg/Kg-dry	1	04/09/09 13:46
Barium	440		13	0.13	mg/Kg-dry	1	04/09/09 13:46
Cadmium	3.2		1.3	0.13	mg/Kg-dry	1	04/09/09 13:46
Chromium	25		1.3	0.52	mg/Kg-dry	1	04/09/09 13:46
Lead	8600		1.3	0.52	mg/Kg-dry	1	04/09/09 13:46
Selenium	1.2	J	1.3	0.64	mg/Kg-dry	1	04/09/09 13:46
Silver	0.45	J	1.3	0.26	mg/Kg-dry	1	04/09/09 13:46

Qualifiers:

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

Print Date: 04/20/09 10:29 439244 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-013A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-15-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.0	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103079
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	16		1.2	0.49	mg/Kg-dry	1	04/09/09 13:50
Barium	97		12	0.12	mg/Kg-dry	1	04/09/09 13:50
Cadmium	0.21	J	1.2	0.12	mg/Kg-dry	1	04/09/09 13:50
Chromium	9.7		1.2	0.49	mg/Kg-dry	1	04/09/09 13:50
Lead	18		1.2	0.49	mg/Kg-dry	1	04/09/09 13:50
Selenium	0.72	J	1.2	0.62	mg/Kg-dry	1	04/09/09 13:50
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 13:50

Qualifiers:

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

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103080
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	58		1.3	0.53	mg/Kg-dry	1	04/09/09 13:54
Barium	500		13	0.13	mg/Kg-dry	1	04/09/09 13:54
Cadmium	4.2		1.3	0.13	mg/Kg-dry	1	04/09/09 13:54
Chromium	43		1.3	0.53	mg/Kg-dry	1	04/09/09 13:54
Lead	120000	E	1.3	0.53	mg/Kg-dry	1	04/09/09 13:54
Selenium	1.5		1.3	0.66	mg/Kg-dry	1	04/09/09 13:54
Silver	7.7		1.3	0.27	mg/Kg-dry	1	04/09/09 13:54

Qualifiers:

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

Print Date: 04/20/09 10:29 439246 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103140
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	120000		66	27	mg/Kg-dry	50	04/09/09 18:25

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103084
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	31		1.3	0.51	mg/Kg-dry	1	04/09/09 14:16
Barium	310		13	0.13	mg/Kg-dry	1	04/09/09 14:16
Cadmium	1.6		1.3	0.13	mg/Kg-dry	1	04/09/09 14:16
Chromium	30		1.3	0.51	mg/Kg-dry	1	04/09/09 14:16
Lead	39000	E	1.3	0.51	mg/Kg-dry	1	04/09/09 14:16
Selenium	1.1	J	1.3	0.63	mg/Kg-dry	1	04/09/09 14:16
Silver	2.4		1.3	0.25	mg/Kg-dry	1	04/09/09 14:16

Qualifiers:

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

Print Date: 04/20/09 10:29 439250 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103141
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	38000		25	10	mg/Kg-dry	20	04/09/09 18:29

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-016A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-18-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:33
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103085
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	18		1.3	0.52	mg/Kg-dry	1	04/09/09 14:22
Barium	270		13	0.13	mg/Kg-dry	1	04/09/09 14:22
Cadmium	0.99	J	1.3	0.13	mg/Kg-dry	1	04/09/09 14:22
Chromium	30		1.3	0.52	mg/Kg-dry	1	04/09/09 14:22
Lead	1200		1.3	0.52	mg/Kg-dry	1	04/09/09 14:22
Selenium	0.85	J	1.3	0.65	mg/Kg-dry	1	04/09/09 14:22
Silver	ND		1.3	0.26	mg/Kg-dry	1	04/09/09 14:22

Qualifiers:

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

Print Date: 04/20/09 10:29 439251 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-017A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-19-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103086
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	9.0		1.2	0.49	mg/Kg-dry	1	04/09/09 14:25
Barium	110		12	0.12	mg/Kg-dry	1	04/09/09 14:25
Cadmium	0.33	J	1.2	0.12	mg/Kg-dry	1	04/09/09 14:25
Chromium	16		1.2	0.49	mg/Kg-dry	1	04/09/09 14:25
Lead	4400		1.2	0.49	mg/Kg-dry	1	04/09/09 14:25
Selenium	0.72	J	1.2	0.61	mg/Kg-dry	1	04/09/09 14:25
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 14:25

Qualifiers:

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

Print Date: 04/20/09 10:29 439252 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-018A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-20-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.4	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103087
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	19		1.2	0.49	mg/Kg-dry	1	04/09/09 14:29
Barium	140		12	0.12	mg/Kg-dry	1	04/09/09 14:29
Cadmium	ND		1.2	0.12	mg/Kg-dry	1	04/09/09 14:29
Chromium	4.7		1.2	0.49	mg/Kg-dry	1	04/09/09 14:29
Lead	35		1.2	0.49	mg/Kg-dry	1	04/09/09 14:29
Selenium	ND		1.2	0.61	mg/Kg-dry	1	04/09/09 14:29
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 14:29

Qualifiers:

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

Print Date: 04/20/09 10:29 439253 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-019A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-21-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103088
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	15		1.3	0.51	mg/Kg-dry	1	04/09/09 14:32
Barium	220		13	0.13	mg/Kg-dry	1	04/09/09 14:32
Cadmium	1.6		1.3	0.13	mg/Kg-dry	1	04/09/09 14:32
Chromium	31		1.3	0.51	mg/Kg-dry	1	04/09/09 14:32
Lead	92000	E	1.3	0.51	mg/Kg-dry	1	04/09/09 14:32
Selenium	1.1	J	1.3	0.64	mg/Kg-dry	1	04/09/09 14:32
Silver	1.5		1.3	0.26	mg/Kg-dry	1	04/09/09 14:32

Qualifiers:

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

Print Date: 04/20/09 10:29 439254 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-019ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-21-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.7	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103142
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Lead	93000		51	20	mg/Kg-dry	40	04/09/09 18:34

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

Print Date: 04/20/09 10:29 439308 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-020A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-22-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 29.0	**BatchNo:** 9222/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103089
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	13		1.4	0.56	mg/Kg-dry	1	04/09/09 14:36
Barium	250		14	0.14	mg/Kg-dry	1	04/09/09 14:36
Cadmium	0.88	J	1.4	0.14	mg/Kg-dry	1	04/09/09 14:36
Chromium	40		1.4	0.56	mg/Kg-dry	1	04/09/09 14:36
Lead	3200		1.4	0.56	mg/Kg-dry	1	04/09/09 14:36
Selenium	1.4	J	1.4	0.70	mg/Kg-dry	1	04/09/09 14:36
Silver	0.42	J	1.4	0.28	mg/Kg-dry	1	04/09/09 14:36

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-021A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-23-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 25.4	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103092
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.0		1.3	0.54	mg/Kg-dry	1	04/09/09 15:02
Barium	120		13	0.13	mg/Kg-dry	1	04/09/09 15:02
Cadmium	0.31	J	1.3	0.13	mg/Kg-dry	1	04/09/09 15:02
Chromium	27		1.3	0.54	mg/Kg-dry	1	04/09/09 15:02
Lead	200		1.3	0.54	mg/Kg-dry	1	04/09/09 15:02
Selenium	0.80	J	1.3	0.67	mg/Kg-dry	1	04/09/09 15:02
Silver	ND		1.3	0.27	mg/Kg-dry	1	04/09/09 15:02

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-022A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-24-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103093
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.6		1.3	0.51	mg/Kg-dry	1	04/09/09 15:06
Barium	80		13	0.13	mg/Kg-dry	1	04/09/09 15:06
Cadmium	0.32	J	1.3	0.13	mg/Kg-dry	1	04/09/09 15:06
Chromium	19		1.3	0.51	mg/Kg-dry	1	04/09/09 15:06
Lead	1200		1.3	0.51	mg/Kg-dry	1	04/09/09 15:06
Selenium	1.2	J	1.3	0.64	mg/Kg-dry	1	04/09/09 15:06
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 15:06

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-023A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-25-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 17:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103097
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.1		1.2	0.49	mg/Kg-dry	1	04/09/09 15:20
Barium	71		12	0.12	mg/Kg-dry	1	04/09/09 15:20
Cadmium	0.28	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:20
Chromium	12		1.2	0.49	mg/Kg-dry	1	04/09/09 15:20
Lead	400		1.2	0.49	mg/Kg-dry	1	04/09/09 15:20
Selenium	ND		1.2	0.61	mg/Kg-dry	1	04/09/09 15:20
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 15:20

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-024A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103098
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	10		1.3	0.50	mg/Kg-dry	1	04/09/09 15:24
Barium	700		13	0.13	mg/Kg-dry	1	04/09/09 15:24
Cadmium	2.7		1.3	0.13	mg/Kg-dry	1	04/09/09 15:24
Chromium	35		1.3	0.50	mg/Kg-dry	1	04/09/09 15:24
Lead	750		1.3	0.50	mg/Kg-dry	1	04/09/09 15:24
Selenium	1.3		1.3	0.63	mg/Kg-dry	1	04/09/09 15:24
Silver	0.64	J	1.3	0.25	mg/Kg-dry	1	04/09/09 15:24

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-026A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-01-SS-01-03***
W Order:	0904022	**Collection Date:**	03/30/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103099
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.5		1.2	0.50	mg/Kg-dry	1	04/09/09 15:27
Barium	120		12	0.12	mg/Kg-dry	1	04/09/09 15:27
Cadmium	0.89	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:27
Chromium	61		1.2	0.50	mg/Kg-dry	1	04/09/09 15:27
Lead	210		1.2	0.50	mg/Kg-dry	1	04/09/09 15:27
Selenium	ND		1.2	0.62	mg/Kg-dry	1	04/09/09 15:27
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 15:27

Qualifiers:

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

Print Date: 04/20/09 10:29 439265 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-027A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-02-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 16.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103100
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.8		1.2	0.48	mg/Kg-dry	1	04/09/09 15:31
Barium	140		12	0.12	mg/Kg-dry	1	04/09/09 15:31
Cadmium	0.55	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:31
Chromium	37		1.2	0.48	mg/Kg-dry	1	04/09/09 15:31
Lead	57		1.2	0.48	mg/Kg-dry	1	04/09/09 15:31
Selenium	ND		1.2	0.60	mg/Kg-dry	1	04/09/09 15:31
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 15:31

Qualifiers:

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

Print Date: 04/20/09 10:29 439266 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-028A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-03-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103101
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.4		1.2	0.49	mg/Kg-dry	1	04/09/09 15:34
Barium	94		12	0.12	mg/Kg-dry	1	04/09/09 15:34
Cadmium	3.0		1.2	0.12	mg/Kg-dry	1	04/09/09 15:34
Chromium	57		1.2	0.49	mg/Kg-dry	1	04/09/09 15:34
Lead	240		1.2	0.49	mg/Kg-dry	1	04/09/09 15:34
Selenium	ND		1.2	0.61	mg/Kg-dry	1	04/09/09 15:34
Silver	0.46	J	1.2	0.24	mg/Kg-dry	1	04/09/09 15:34

Qualifiers:

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

Print Date: 04/20/09 10:29 439267 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-029A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-04-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 16.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103102
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	6.8		1.2	0.48	mg/Kg-dry	1	04/09/09 15:38
Barium	80		12	0.12	mg/Kg-dry	1	04/09/09 15:38
Cadmium	7.6		1.2	0.12	mg/Kg-dry	1	04/09/09 15:38
Chromium	84		1.2	0.48	mg/Kg-dry	1	04/09/09 15:38
Lead	630		1.2	0.48	mg/Kg-dry	1	04/09/09 15:38
Selenium	0.78	J	1.2	0.60	mg/Kg-dry	1	04/09/09 15:38
Silver	1.5		1.2	0.24	mg/Kg-dry	1	04/09/09 15:38

Qualifiers:

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

Print Date: 04/20/09 10:29 439268 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-029ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-04-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 16.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103143
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		6.0	3.0	mg/Kg-dry	5	04/09/09 18:38

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-030A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-05-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103103
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	4.8		1.2	0.47	mg/Kg-dry	1	04/09/09 15:41
Barium	280		12	0.12	mg/Kg-dry	1	04/09/09 15:41
Cadmium	1.2		1.2	0.12	mg/Kg-dry	1	04/09/09 15:41
Chromium	35		1.2	0.47	mg/Kg-dry	1	04/09/09 15:41
Lead	240		1.2	0.47	mg/Kg-dry	1	04/09/09 15:41
Selenium	1.9		1.2	0.58	mg/Kg-dry	1	04/09/09 15:41
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 15:41

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-030ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-05-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103144
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.8	2.9	mg/Kg-dry	5	04/09/09 18:43

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-031A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-06-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103104
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	5.3		1.2	0.46	mg/Kg-dry	1	04/09/09 15:45
Barium	210		12	0.12	mg/Kg-dry	1	04/09/09 15:45
Cadmium	0.74	J	1.2	0.12	mg/Kg-dry	1	04/09/09 15:45
Chromium	38		1.2	0.46	mg/Kg-dry	1	04/09/09 15:45
Lead	230		1.2	0.46	mg/Kg-dry	1	04/09/09 15:45
Selenium	2.0		1.2	0.58	mg/Kg-dry	1	04/09/09 15:45
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 15:45

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-031ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-06-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 13.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103145
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	ND		5.8	2.9	mg/Kg-dry	5	04/09/09 18:47

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-032A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-07-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:25
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103105
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	8.2		1.3	0.51	mg/Kg-dry	1	04/09/09 15:49
Barium	150		13	0.13	mg/Kg-dry	1	04/09/09 15:49
Cadmium	0.48	J	1.3	0.13	mg/Kg-dry	1	04/09/09 15:49
Chromium	38		1.3	0.51	mg/Kg-dry	1	04/09/09 15:49
Lead	110		1.3	0.51	mg/Kg-dry	1	04/09/09 15:49
Selenium	ND		1.3	0.63	mg/Kg-dry	1	04/09/09 15:49
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 15:49

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-033A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-08-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:35
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103113
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	56		1.3	0.50	mg/Kg-dry	1	04/09/09 16:19
Barium	610		13	0.13	mg/Kg-dry	1	04/09/09 16:19
Cadmium	0.99	J	1.3	0.13	mg/Kg-dry	1	04/09/09 16:19
Chromium	50		1.3	0.50	mg/Kg-dry	1	04/09/09 16:19
Lead	96		1.3	0.50	mg/Kg-dry	1	04/09/09 16:19
Selenium	5.4		1.3	0.63	mg/Kg-dry	1	04/09/09 16:19
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 16:19

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-033ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-08-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:35
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-DL-103149
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Selenium	6.0	J	6.3	3.1	mg/Kg-dry	5	04/09/09 19:05

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-034A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-09-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103114
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	10		1.2	0.47	mg/Kg-dry	1	04/09/09 16:23
Barium	180		12	0.12	mg/Kg-dry	1	04/09/09 16:23
Cadmium	1.3		1.2	0.12	mg/Kg-dry	1	04/09/09 16:23
Chromium	16		1.2	0.47	mg/Kg-dry	1	04/09/09 16:23
Lead	1400		1.2	0.47	mg/Kg-dry	1	04/09/09 16:23
Selenium	0.92	J	1.2	0.58	mg/Kg-dry	1	04/09/09 16:23
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 16:23

Qualifiers:

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

Print Date: 04/20/09 10:29 439280 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-035A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-10-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103115
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	20		1.3	0.52	mg/Kg-dry	1	04/09/09 16:26
Barium	160		13	0.13	mg/Kg-dry	1	04/09/09 16:26
Cadmium	0.90	J	1.3	0.13	mg/Kg-dry	1	04/09/09 16:26
Chromium	42		1.3	0.52	mg/Kg-dry	1	04/09/09 16:26
Lead	220		1.3	0.52	mg/Kg-dry	1	04/09/09 16:26
Selenium	ND		1.3	0.65	mg/Kg-dry	1	04/09/09 16:26
Silver	ND		1.3	0.26	mg/Kg-dry	1	04/09/09 16:26

Qualifiers:

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

Print Date: 04/20/09 10:29 439281 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-036A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-11-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103116
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	17		1.2	0.49	mg/Kg-dry	1	04/09/09 16:30
Barium	260		12	0.12	mg/Kg-dry	1	04/09/09 16:30
Cadmium	1.3		1.2	0.12	mg/Kg-dry	1	04/09/09 16:30
Chromium	65		1.2	0.49	mg/Kg-dry	1	04/09/09 16:30
Lead	330		1.2	0.49	mg/Kg-dry	1	04/09/09 16:30
Selenium	0.88	J	1.2	0.61	mg/Kg-dry	1	04/09/09 16:30
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 16:30

Qualifiers:

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

Print Date: 04/20/09 10:29 439282 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-037A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-12-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 22.1	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103117
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.3		1.3	0.51	mg/Kg-dry	1	04/09/09 16:33
Barium	220		13	0.13	mg/Kg-dry	1	04/09/09 16:33
Cadmium	1.9		1.3	0.13	mg/Kg-dry	1	04/09/09 16:33
Chromium	24		1.3	0.51	mg/Kg-dry	1	04/09/09 16:33
Lead	1500		1.3	0.51	mg/Kg-dry	1	04/09/09 16:33
Selenium	0.76	J	1.3	0.64	mg/Kg-dry	1	04/09/09 16:33
Silver	0.39	J	1.3	0.26	mg/Kg-dry	1	04/09/09 16:33

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-038A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-13-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103123
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	11		1.3	0.50	mg/Kg-dry	1	04/09/09 17:09
Barium	220		13	0.13	mg/Kg-dry	1	04/09/09 17:09
Cadmium	1.2	J	1.3	0.13	mg/Kg-dry	1	04/09/09 17:09
Chromium	54		1.3	0.50	mg/Kg-dry	1	04/09/09 17:09
Lead	1700		1.3	0.50	mg/Kg-dry	1	04/09/09 17:09
Selenium	ND		1.3	0.63	mg/Kg-dry	1	04/09/09 17:09
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 17:09

Qualifiers:

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

Print Date: 04/20/09 10:29 439289 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-039A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-14-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103151
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	15		6.3	2.5	mg/Kg-dry	5	04/09/09 19:14
Barium	95		63	0.63	mg/Kg-dry	5	04/09/09 19:14
Cadmium	1.7	J	6.3	0.63	mg/Kg-dry	5	04/09/09 19:14
Chromium	9.4		6.3	2.5	mg/Kg-dry	5	04/09/09 19:14
Lead	760		6.3	2.5	mg/Kg-dry	5	04/09/09 19:14
Selenium	ND		6.3	3.1	mg/Kg-dry	5	04/09/09 19:14
Silver	ND		6.3	1.3	mg/Kg-dry	5	04/09/09 19:14

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-040A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-15-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9223/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103125
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	9.1		1.2	0.47	mg/Kg-dry	1	04/09/09 17:18
Barium	300		12	0.12	mg/Kg-dry	1	04/09/09 17:18
Cadmium	3.5		1.2	0.12	mg/Kg-dry	1	04/09/09 17:18
Chromium	140		1.2	0.47	mg/Kg-dry	1	04/09/09 17:18
Lead	1900		1.2	0.47	mg/Kg-dry	1	04/09/09 17:18
Selenium	0.60	J	1.2	0.58	mg/Kg-dry	1	04/09/09 17:18
Silver	ND		1.2	0.23	mg/Kg-dry	1	04/09/09 17:18

Qualifiers:

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

Print Date: 04/20/09 10:29 439291 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-041A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-16-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 18.3	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103126
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	18		2.4	0.98	mg/Kg-dry	2	04/09/09 17:23
Barium	130		24	0.24	mg/Kg-dry	2	04/09/09 17:23
Cadmium	1.1	J	2.4	0.24	mg/Kg-dry	2	04/09/09 17:23
Chromium	30		2.4	0.98	mg/Kg-dry	2	04/09/09 17:23
Lead	2300		2.4	0.98	mg/Kg-dry	2	04/09/09 17:23
Selenium	1.4	J	2.4	1.2	mg/Kg-dry	2	04/09/09 17:23
Silver	ND		2.4	0.49	mg/Kg-dry	2	04/09/09 17:23

Qualifiers:

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

Print Date: 04/20/09 10:29 439292 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-042A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-17-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103040
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.1		1.2	0.50	mg/Kg-dry	1	04/09/09 11:32
Barium	94		12	0.12	mg/Kg-dry	1	04/09/09 11:32
Cadmium	0.30	J	1.2	0.12	mg/Kg-dry	1	04/09/09 11:32
Chromium	22		1.2	0.50	mg/Kg-dry	1	04/09/09 11:32
Lead	460		1.2	0.50	mg/Kg-dry	1	04/09/09 11:32
Selenium	ND		1.2	0.62	mg/Kg-dry	1	04/09/09 11:32
Silver	ND		1.2	0.25	mg/Kg-dry	1	04/09/09 11:32

Qualifiers:

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

Print Date: 04/20/09 10:29 439206 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-043A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-18-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 15.0	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103041
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	11		1.2	0.47	mg/Kg-dry	1	04/09/09 11:36
Barium	90		12	0.12	mg/Kg-dry	1	04/09/09 11:36
Cadmium	0.50	J	1.2	0.12	mg/Kg-dry	1	04/09/09 11:36
Chromium	17		1.2	0.47	mg/Kg-dry	1	04/09/09 11:36
Lead	630		1.2	0.47	mg/Kg-dry	1	04/09/09 11:36
Selenium	0.97	J	1.2	0.59	mg/Kg-dry	1	04/09/09 11:36
Silver	ND		1.2	0.24	mg/Kg-dry	1	04/09/09 11:36

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-044A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-19-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103045
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	21		1.3	0.52	mg/Kg-dry	1	04/09/09 11:50
Barium	100		13	0.13	mg/Kg-dry	1	04/09/09 11:50
Cadmium	0.55	J	1.3	0.13	mg/Kg-dry	1	04/09/09 11:50
Chromium	13		1.3	0.52	mg/Kg-dry	1	04/09/09 11:50
Lead	3000		1.3	0.52	mg/Kg-dry	1	04/09/09 11:50
Selenium	1.0	J	1.3	0.65	mg/Kg-dry	1	04/09/09 11:50
Silver	ND		1.3	0.26	mg/Kg-dry	1	04/09/09 11:50

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-045A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-20-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 20.8	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103050
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	7.5		1.3	0.51	mg/Kg-dry	1	04/09/09 12:07
Barium	92		13	0.13	mg/Kg-dry	1	04/09/09 12:07
Cadmium	0.58	J	1.3	0.13	mg/Kg-dry	1	04/09/09 12:07
Chromium	19		1.3	0.51	mg/Kg-dry	1	04/09/09 12:07
Lead	620		1.3	0.51	mg/Kg-dry	1	04/09/09 12:07
Selenium	0.75	J	1.3	0.63	mg/Kg-dry	1	04/09/09 12:07
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 12:07

Qualifiers:

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

Print Date: 04/20/09 10:29 439216 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-046A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-21-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:11
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 24.1	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103051
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	8.3		1.3	0.53	mg/Kg-dry	1	04/09/09 12:11
Barium	690		13	0.13	mg/Kg-dry	1	04/09/09 12:11
Cadmium	1.6		1.3	0.13	mg/Kg-dry	1	04/09/09 12:11
Chromium	27		1.3	0.53	mg/Kg-dry	1	04/09/09 12:11
Lead	5600		1.3	0.53	mg/Kg-dry	1	04/09/09 12:11
Selenium	0.79	J	1.3	0.66	mg/Kg-dry	1	04/09/09 12:11
Silver	0.81	J	1.3	0.26	mg/Kg-dry	1	04/09/09 12:11

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-047A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-22-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 31.0	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103052
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	16		1.4	0.58	mg/Kg-dry	1	04/09/09 12:15
Barium	960		14	0.14	mg/Kg-dry	1	04/09/09 12:15
Cadmium	8.3		1.4	0.14	mg/Kg-dry	1	04/09/09 12:15
Chromium	42		1.4	0.58	mg/Kg-dry	1	04/09/09 12:15
Lead	730		1.4	0.58	mg/Kg-dry	1	04/09/09 12:15
Selenium	0.93	J	1.4	0.72	mg/Kg-dry	1	04/09/09 12:15
Silver	ND		1.4	0.29	mg/Kg-dry	1	04/09/09 12:15

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-048A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-23-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 39.2	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103053
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	15		1.6	0.66	mg/Kg-dry	1	04/09/09 12:18
Barium	100		16	0.16	mg/Kg-dry	1	04/09/09 12:18
Cadmium	2.5		1.6	0.16	mg/Kg-dry	1	04/09/09 12:18
Chromium	39		1.6	0.66	mg/Kg-dry	1	04/09/09 12:18
Lead	1500		1.6	0.66	mg/Kg-dry	1	04/09/09 12:18
Selenium	2.1		1.6	0.82	mg/Kg-dry	1	04/09/09 12:18
Silver	ND		1.6	0.33	mg/Kg-dry	1	04/09/09 12:18

Qualifiers:

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

Print Date: 04/20/09 10:29 439219 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-049A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	ICAP 61E	**Sample Size:** 0.5 g	**PrepDate:** 04/08/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9224/R16967
Revision:	04/20/09 10:17	**TestCode:** 6010S	**FileID:** 1-SAMP-103054
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
TOTAL METALS BY ICP					**SW6010B**		**(SW3050B)**
Arsenic	14		1.3	0.51	mg/Kg-dry	1	04/09/09 12:22
Barium	150		13	0.13	mg/Kg-dry	1	04/09/09 12:22
Cadmium	0.84	J	1.3	0.13	mg/Kg-dry	1	04/09/09 12:22
Chromium	44		1.3	0.51	mg/Kg-dry	1	04/09/09 12:22
Lead	220		1.3	0.51	mg/Kg-dry	1	04/09/09 12:22
Selenium	ND		1.3	0.64	mg/Kg-dry	1	04/09/09 12:22
Silver	ND		1.3	0.25	mg/Kg-dry	1	04/09/09 12:22

Qualifiers:

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

QC Summary

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: ICVH | SampType: ICVH | TestCode: 6010W05 | Units: mg/L | Prep Date: | RunNo: 16967
Client ID: ZZZZZ | Batch ID: R16967 | Method: SW6010B | Analysis Date: 4/9/2009 | SeqNo: 439194
Instrument: | ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	50.0	1.0	50	0	100	90	110				
Chromium	5.09	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.2	0.050	10	0	102	90	110				
Lead	10.0	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.1	1.0	50	0	98	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: ICV | SampType: ICV | TestCode: 6010W05 | Units: mg/L | Prep Date: | RunNo: 16967
Client ID: ZZZZZ | Batch ID: R16967 | Method: SW6010B | Analysis Date: 4/9/2009 | SeqNo: 439195
Instrument: | ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.00	0.10	1	0	100	90	110				
Antimony	0.208	0.060	0.2	0	104	90	110				
Arsenic	0.201	0.010	0.2	0	100	90	110				
Barium	0.192	0.10	0.2	0	96	90	110				
Beryllium	0.203	0.010	0.2	0	101	90	110				
Boron	0.499	0.050	0.5	0	100	90	110				
Cadmium	0.197	0.010	0.2	0	99	90	110				
Calcium	9.85	1.0	10	0	99	90	110				
Chromium	0.203	0.010	0.2	0	102	90	110				
Cobalt	0.198	0.050	0.2	0	99	90	110				
Copper	0.200	0.010	0.2	0	100	90	110				
Iron	1.02	0.050	1	0	102	90	110				
Lead	0.204	0.010	0.2	0	102	90	110				
Magnesium	9.98	1.0	10	0	100	90	110				
Manganese	0.203	0.050	0.2	0	101	90	110				
Molybdenum	0.196	0.050	0.2	0	98	90	110				
Nickel	0.208	0.050	0.2	0	104	90	110				
Potassium	10.3	5.0	10	0	103	90	110				
Selenium	0.199	0.010	0.2	0	99	90	110				
Silver	0.0496	0.010	0.05	0	99	90	110				
Sodium	9.52	1.0	10	0	95	90	110				
Strontium	0.196	0.050	0.2	0	98	90	110				
Thallium	0.207	0.020	0.2	0	103	90	110				
Tin	0.205	0.050	0.2	0	102	90	110				
Titanium	0.212	0.050	0.2	0	106	90	110				
Vanadium	0.202	0.050	0.2	0	101	90	110				
Zinc	0.200	0.020	0.2	0	100	90	110				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV/IPC**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439196**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5.02	0.10	5	0	100	90	110				
Antimony	0.501	0.060	0.5	0	100	90	110				
Arsenic	0.504	0.010	0.5	0	101	90	110				
Barium	0.507	0.10	0.5	0	101	90	110				
Beryllium	0.506	0.010	0.5	0	101	90	110				
Boron	0.506	0.050	0.5	0	101	90	110				
Cadmium	0.508	0.010	0.5	0	102	90	110				
Calcium	9.99	1.0	10	0	100	90	110				
Chromium	0.508	0.010	0.5	0	102	90	110				
Cobalt	0.508	0.050	0.5	0	102	90	110				
Copper	0.502	0.010	0.5	0	100	90	110				
Iron	1.01	0.050	1	0	101	90	110				
Lead	0.506	0.010	0.5	0	101	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.506	0.050	0.5	0	101	90	110				
Molybdenum	0.505	0.050	0.5	0	101	90	110				
Nickel	0.520	0.050	0.5	0	104	90	110				
Potassium	10.8	5.0	10	0	108	90	110				
Selenium	0.505	0.010	0.5	0	101	90	110				
Silver	0.253	0.010	0.25	0	101	90	110				
Sodium	9.80	1.0	10	0	98	90	110				
Strontium	0.508	0.050	0.5	0	102	90	110				
Thallium	0.505	0.020	0.5	0	101	90	110				
Tin	0.507	0.050	0.5	0	101	90	110				
Titanium	0.512	0.050	0.5	0	102	90	110				
Vanadium	0.509	0.050	0.5	0	102	90	110				
Zinc	0.508	0.020	0.5	0	102	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **ICB**	SampType: **ICB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439197**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCVH1	SampType: CCVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439208
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	49.9	1.0	50	0	100	90	110				
Chromium	5.11	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.4	0.050	10	0	104	90	110				
Lead	10.2	0.010	10	0	102	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.8	1.0	50	0	100	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCV1	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo: 16967	
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo: 439209	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.99	0.10	5	0	100	90	110				
Antimony	0.499	0.060	0.5	0	100	90	110				
Arsenic	0.507	0.010	0.5	0	101	90	110				
Barium	0.500	0.10	0.5	0	100	90	110				
Beryllium	0.503	0.010	0.5	0	101	90	110				
Boron	0.505	0.050	0.5	0	101	90	110				
Cadmium	0.508	0.010	0.5	0	102	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.511	0.010	0.5	0	102	90	110				
Cobalt	0.508	0.050	0.5	0	102	90	110				
Copper	0.498	0.010	0.5	0	100	90	110				
Iron	1.03	0.050	1	0	103	90	110				
Lead	0.508	0.010	0.5	0	102	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.501	0.050	0.5	0	100	90	110				
Molybdenum	0.504	0.050	0.5	0	101	90	110				
Nickel	0.523	0.050	0.5	0	105	90	110				
Potassium	10.9	5.0	10	0	109	90	110				
Selenium	0.505	0.010	0.5	0	101	90	110				
Silver	0.251	0.010	0.25	0	100	90	110				
Sodium	9.75	1.0	10	0	98	90	110				
Strontium	0.504	0.050	0.5	0	101	90	110				
Thallium	0.510	0.020	0.5	0	102	90	110				
Tin	0.510	0.050	0.5	0	102	90	110				
Titanium	0.506	0.050	0.5	0	101	90	110				
Vanadium	0.509	0.050	0.5	0	102	90	110				
Zinc	0.505	0.020	0.5	0	101	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCB1	SampType: CCB	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439210
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: CCVH2	SampType: CCVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439221
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	49.7	1.0	50	0	99	90	110				
Chromium	5.09	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.3	0.050	10	0	103	90	110				
Lead	10.1	0.010	10	0	101	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.8	1.0	50	0	100	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV2**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439222**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.98	0.10	5	0	100	90	110				
Antimony	0.496	0.060	0.5	0	99	90	110				
Arsenic	0.504	0.010	0.5	0	101	90	110				
Barium	0.497	0.10	0.5	0	99	90	110				
Beryllium	0.502	0.010	0.5	0	100	90	110				
Boron	0.503	0.050	0.5	0	101	90	110				
Cadmium	0.507	0.010	0.5	0	101	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.509	0.010	0.5	0	102	90	110				
Cobalt	0.507	0.050	0.5	0	101	90	110				
Copper	0.496	0.010	0.5	0	99	90	110				
Iron	1.01	0.050	1	0	101	90	110				
Lead	0.508	0.010	0.5	0	102	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.497	0.050	0.5	0	99	90	110				
Molybdenum	0.502	0.050	0.5	0	100	90	110				
Nickel	0.520	0.050	0.5	0	104	90	110				
Potassium	10.9	5.0	10	0	109	90	110				
Selenium	0.503	0.010	0.5	0	101	90	110				
Silver	0.250	0.010	0.25	0	100	90	110				
Sodium	9.82	1.0	10	0	98	90	110				
Strontium	0.499	0.050	0.5	0	100	90	110				
Thallium	0.508	0.020	0.5	0	102	90	110				
Tin	0.508	0.050	0.5	0	102	90	110				
Titanium	0.504	0.050	0.5	0	101	90	110				
Vanadium	0.506	0.050	0.5	0	101	90	110				
Zinc	0.501	0.020	0.5	0	100	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	CCB2	SampType:	CCB	TestCode:	6010W05	Units:	mg/L	Prep Date:			RunNo:	16967	
Client ID:	ZZZZZ	Batch ID:	R16967	Method:	SW6010B			Analysis Date:	4/9/2009		SeqNo:	439223	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCVH3**	SampType: **CCVH**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439234**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	49.4	1.0	50	0	99	90	110				
Chromium	5.12	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.3	0.050	10	0	103	90	110				
Lead	10.2	0.010	10	0	102	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	50.0	1.0	50	0	100	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCV3	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439235
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.95	0.10	5	0	99	90	110				
Antimony	0.494	0.060	0.5	0	99	90	110				
Arsenic	0.503	0.010	0.5	0	101	90	110				
Barium	0.497	0.10	0.5	0	99	90	110				
Beryllium	0.500	0.010	0.5	0	100	90	110				
Boron	0.501	0.050	0.5	0	100	90	110				
Cadmium	0.505	0.010	0.5	0	101	90	110				
Calcium	9.99	1.0	10	0	100	90	110				
Chromium	0.508	0.010	0.5	0	102	90	110				
Cobalt	0.504	0.050	0.5	0	101	90	110				
Copper	0.495	0.010	0.5	0	99	90	110				
Iron	1.01	0.050	1	0	101	90	110				
Lead	0.505	0.010	0.5	0	101	90	110				
Magnesium	10.0	1.0	10	0	100	90	110				
Manganese	0.492	0.050	0.5	0	98	90	110				
Molybdenum	0.502	0.050	0.5	0	100	90	110				
Nickel	0.519	0.050	0.5	0	104	90	110				
Potassium	10.8	5.0	10	0	108	90	110				
Selenium	0.500	0.010	0.5	0	100	90	110				
Silver	0.250	0.010	0.25	0	100	90	110				
Sodium	9.77	1.0	10	0	98	90	110				
Strontium	0.498	0.050	0.5	0	100	90	110				
Thallium	0.502	0.020	0.5	0	100	90	110				
Tin	0.505	0.050	0.5	0	101	90	110				
Titanium	0.501	0.050	0.5	0	100	90	110				
Vanadium	0.506	0.050	0.5	0	101	90	110				
Zinc	0.498	0.020	0.5	0	100	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB3**	SampType: **CCB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439236**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	CCVH4	SampType:	CCVH	TestCode:	6010W05	Units:	mg/L	Prep Date:		RunNo:	16967	
Client ID:	ZZZZZ	Batch ID:	R16967	Method:	SW6010B			Analysis Date:	4/9/2009	SeqNo:	439247	
Instrument:		ColumnID:										

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	50.0	1.0	50	0	100	90	110				
Chromium	5.12	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.4	0.050	10	0	104	90	110				
Lead	10.3	0.010	10	0	103	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.7	1.0	50	0	99	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV4**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439248**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	5.11	0.10	5	0	102	90	110				
Antimony	0.519	0.060	0.5	0	104	90	110				
Arsenic	0.522	0.010	0.5	0	104	90	110				
Barium	0.515	0.10	0.5	0	103	90	110				
Beryllium	0.518	0.010	0.5	0	104	90	110				
Boron	0.519	0.050	0.5	0	104	90	110				
Cadmium	0.522	0.010	0.5	0	104	90	110				
Calcium	10.3	1.0	10	0	103	90	110				
Chromium	0.525	0.010	0.5	0	105	90	110				
Cobalt	0.521	0.050	0.5	0	104	90	110				
Copper	0.514	0.010	0.5	0	103	90	110				
Iron	1.05	0.050	1	0	105	90	110				
Lead	0.529	0.010	0.5	0	106	90	110				
Magnesium	10.3	1.0	10	0	103	90	110				
Manganese	0.509	0.050	0.5	0	102	90	110				
Molybdenum	0.519	0.050	0.5	0	104	90	110				
Nickel	0.537	0.050	0.5	0	107	90	110				
Potassium	10.9	5.0	10	0	109	90	110				
Selenium	0.525	0.010	0.5	0	105	90	110				
Silver	0.259	0.010	0.25	0	103	90	110				
Sodium	9.90	1.0	10	0	99	90	110				
Strontium	0.516	0.050	0.5	0	103	90	110				
Thallium	0.523	0.020	0.5	0	105	90	110				
Tin	0.520	0.050	0.5	0	104	90	110				
Titanium	0.519	0.050	0.5	0	104	90	110				
Vanadium	0.525	0.050	0.5	0	105	90	110				
Zinc	0.512	0.020	0.5	0	102	90	110				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCB4	SampType: CCB	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439249
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

Life Science Laboratories, Inc.

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCVH5**	SampType: **CCVH**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date:	**4/9/2009**	SeqNo:	**439260**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	48.9	1.0	50	0	98	90	110				
Chromium	5.00	0.010	5	0	100	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.3	0.050	10	0	103	90	110				
Lead	10.1	0.010	10	0	101	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.1	1.0	50	0	98	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCV5	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439261
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.95	0.10	5	0	99	90	110				
Antimony	0.497	0.060	0.5	0	99	90	110				
Arsenic	0.502	0.010	0.5	0	100	90	110				
Barium	0.499	0.10	0.5	0	100	90	110				
Beryllium	0.499	0.010	0.5	0	100	90	110				
Boron	0.499	0.050	0.5	0	100	90	110				
Cadmium	0.501	0.010	0.5	0	100	90	110				
Calcium	9.98	1.0	10	0	100	90	110				
Chromium	0.505	0.010	0.5	0	101	90	110				
Cobalt	0.500	0.050	0.5	0	100	90	110				
Copper	0.497	0.010	0.5	0	99	90	110				
Iron	1.02	0.050	1	0	102	90	110				
Lead	0.494	0.010	0.5	0	99	90	110				
Magnesium	9.89	1.0	10	0	99	90	110				
Manganese	0.492	0.050	0.5	0	98	90	110				
Molybdenum	0.501	0.050	0.5	0	100	90	110				
Nickel	0.517	0.050	0.5	0	103	90	110				
Potassium	10.5	5.0	10	0	105	90	110				
Selenium	0.502	0.010	0.5	0	100	90	110				
Silver	0.251	0.010	0.25	0	100	90	110				
Sodium	9.68	1.0	10	0	97	90	110				
Strontium	0.500	0.050	0.5	0	100	90	110				
Thallium	0.498	0.020	0.5	0	100	90	110				
Tin	0.496	0.050	0.5	0	99	90	110				
Titanium	0.501	0.050	0.5	0	100	90	110				
Vanadium	0.507	0.050	0.5	0	101	90	110				
Zinc	0.493	0.020	0.5	0	99	90	110				

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value exceeds the instrument calibration range
- J Analyte detected below the PQL
- ND Not Detected at the Practical Quantitation Limit (PQL)
- R RPD exceeds accepted precision limit
- S Spike Recovery outside accepted recovery limits
- U Not Detected at the MDC or RL

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB5**	SampType: **CCB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439262**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCVH6**	SampType: **CCVH**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo: **16967**			
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo: **439273**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	48.7	1.0	50	0	97	90	110				
Chromium	4.95	0.010	5	0	99	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.2	0.050	10	0	102	90	110				
Lead	10.0	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	48.8	1.0	50	0	98	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCV6	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439274
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.96	0.10	5	0	99	90	110				
Antimony	0.501	0.060	0.5	0	100	90	110				
Arsenic	0.505	0.010	0.5	0	101	90	110				
Barium	0.500	0.10	0.5	0	100	90	110				
Beryllium	0.502	0.010	0.5	0	100	90	110				
Boron	0.503	0.050	0.5	0	101	90	110				
Cadmium	0.506	0.010	0.5	0	101	90	110				
Calcium	10.1	1.0	10	0	101	90	110				
Chromium	0.510	0.010	0.5	0	102	90	110				
Cobalt	0.505	0.050	0.5	0	101	90	110				
Copper	0.499	0.010	0.5	0	100	90	110				
Iron	1.02	0.050	1	0	102	90	110				
Lead	0.501	0.010	0.5	0	100	90	110				
Magnesium	9.96	1.0	10	0	100	90	110				
Manganese	0.494	0.050	0.5	0	99	90	110				
Molybdenum	0.506	0.050	0.5	0	101	90	110				
Nickel	0.522	0.050	0.5	0	104	90	110				
Potassium	10.6	5.0	10	0	106	90	110				
Selenium	0.507	0.010	0.5	0	101	90	110				
Silver	0.251	0.010	0.25	0	100	90	110				
Sodium	9.76	1.0	10	0	98	90	110				
Strontium	0.502	0.050	0.5	0	100	90	110				
Thallium	0.506	0.020	0.5	0	101	90	110				
Tin	0.503	0.050	0.5	0	101	90	110				
Titanium	0.502	0.050	0.5	0	100	90	110				
Vanadium	0.510	0.050	0.5	0	102	90	110				
Zinc	0.494	0.020	0.5	0	99	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: CCB6	SampType: CCB	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439275
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCVH7**	SampType: **CCVH**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439286**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.270	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	48.1	1.0	50	0	96	90	110				
Chromium	4.90	0.010	5	0	98	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.0	0.050	10	0	100	90	110				
Lead	9.77	0.010	10	0	98	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	48.1	1.0	50	0	96	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCV7	SampType: CCV	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439287
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.93	0.10	5	0	99	90	110				
Antimony	0.492	0.060	0.5	0	98	90	110				
Arsenic	0.497	0.010	0.5	0	99	90	110				
Barium	0.496	0.10	0.5	0	99	90	110				
Beryllium	0.497	0.010	0.5	0	99	90	110				
Boron	0.495	0.050	0.5	0	99	90	110				
Cadmium	0.499	0.010	0.5	0	100	90	110				
Calcium	9.94	1.0	10	0	99	90	110				
Chromium	0.502	0.010	0.5	0	100	90	110				
Cobalt	0.499	0.050	0.5	0	100	90	110				
Copper	0.493	0.010	0.5	0	99	90	110				
Iron	1.01	0.050	1	0	101	90	110				
Lead	0.495	0.010	0.5	0	99	90	110				
Magnesium	9.88	1.0	10	0	99	90	110				
Manganese	0.489	0.050	0.5	0	98	90	110				
Molybdenum	0.499	0.050	0.5	0	100	90	110				
Nickel	0.513	0.050	0.5	0	103	90	110				
Potassium	10.5	5.0	10	0	105	90	110				
Selenium	0.498	0.010	0.5	0	100	90	110				
Silver	0.248	0.010	0.25	0	99	90	110				
Sodium	9.74	1.0	10	0	97	90	110				
Strontium	0.495	0.050	0.5	0	99	90	110				
Thallium	0.496	0.020	0.5	0	99	90	110				
Tin	0.495	0.050	0.5	0	99	90	110				
Titanium	0.499	0.050	0.5	0	100	90	110				
Vanadium	0.503	0.050	0.5	0	101	90	110				
Zinc	0.490	0.020	0.5	0	98	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB7**	SampType: **CCB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439288**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: CCVH8	SampType: CCVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439299
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	48.6	1.0	50	0	97	90	110				
Chromium	5.02	0.010	5	0	100	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.1	0.050	10	0	101	90	110				
Lead	9.96	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.1	1.0	50	0	98	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV8**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439300**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.85	0.10	5	0	97	90	110				
Antimony	0.488	0.060	0.5	0	98	90	110				
Arsenic	0.491	0.010	0.5	0	98	90	110				
Barium	0.490	0.10	0.5	0	98	90	110				
Beryllium	0.493	0.010	0.5	0	99	90	110				
Boron	0.489	0.050	0.5	0	98	90	110				
Cadmium	0.495	0.010	0.5	0	99	90	110				
Calcium	9.88	1.0	10	0	99	90	110				
Chromium	0.498	0.010	0.5	0	100	90	110				
Cobalt	0.495	0.050	0.5	0	99	90	110				
Copper	0.488	0.010	0.5	0	98	90	110				
Iron	0.989	0.050	1	0	99	90	110				
Lead	0.492	0.010	0.5	0	98	90	110				
Magnesium	9.78	1.0	10	0	98	90	110				
Manganese	0.485	0.050	0.5	0	97	90	110				
Molybdenum	0.494	0.050	0.5	0	99	90	110				
Nickel	0.507	0.050	0.5	0	101	90	110				
Potassium	10.5	5.0	10	0	105	90	110				
Selenium	0.492	0.010	0.5	0	98	90	110				
Silver	0.246	0.010	0.25	0	99	90	110				
Sodium	9.72	1.0	10	0	97	90	110				
Strontium	0.490	0.050	0.5	0	98	90	110				
Thallium	0.491	0.020	0.5	0	98	90	110				
Tin	0.491	0.050	0.5	0	98	90	110				
Titanium	0.494	0.050	0.5	0	99	90	110				
Vanadium	0.498	0.050	0.5	0	100	90	110				
Zinc	0.486	0.020	0.5	0	97	90	110				

Qualifiers:

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

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB8**	SampType: **CCB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439301**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	CCVH9	SampType:	CCVH	TestCode:	6010W05	Units:	mg/L	Prep Date:			RunNo:	16967	
Client ID:	ZZZZZ	Batch ID:	R16967	Method:	SW6010B			Analysis Date:	4/9/2009		SeqNo:	439312	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	49.0	1.0	50	0	98	90	110				
Chromium	5.10	0.010	5	0	102	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.2	0.050	10	0	102	90	110				
Lead	10.0	0.010	10	0	100	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.5	1.0	50	0	99	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV9**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439313**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.97	0.10	5	0	99	90	110				
Antimony	0.501	0.060	0.5	0	100	90	110				
Arsenic	0.505	0.010	0.5	0	101	90	110				
Barium	0.498	0.10	0.5	0	100	90	110				
Beryllium	0.505	0.010	0.5	0	101	90	110				
Boron	0.503	0.050	0.5	0	101	90	110				
Cadmium	0.509	0.010	0.5	0	102	90	110				
Calcium	10.2	1.0	10	0	102	90	110				
Chromium	0.512	0.010	0.5	0	102	90	110				
Cobalt	0.510	0.050	0.5	0	102	90	110				
Copper	0.496	0.010	0.5	0	99	90	110				
Iron	1.01	0.050	1	0	101	90	110				
Lead	0.508	0.010	0.5	0	102	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.498	0.050	0.5	0	100	90	110				
Molybdenum	0.506	0.050	0.5	0	101	90	110				
Nickel	0.521	0.050	0.5	0	104	90	110				
Potassium	10.8	5.0	10	0	108	90	110				
Selenium	0.509	0.010	0.5	0	102	90	110				
Silver	0.251	0.010	0.25	0	100	90	110				
Sodium	9.90	1.0	10	0	99	90	110				
Strontium	0.499	0.050	0.5	0	100	90	110				
Thallium	0.512	0.020	0.5	0	102	90	110				
Tin	0.510	0.050	0.5	0	102	90	110				
Titanium	0.504	0.050	0.5	0	101	90	110				
Vanadium	0.510	0.050	0.5	0	102	90	110				
Zinc	0.497	0.020	0.5	0	99	90	110				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB9** SampType: **CCB** TestCode: **6010W05** Units: **mg/L** Prep Date: RunNo: **16967**
Client ID: **ZZZZZ** Batch ID: **R16967** Method: **SW6010B** Analysis Date: **4/9/2009** SeqNo: **439314**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: CCVH10	SampType: CCVH	TestCode: 6010W05	Units: mg/L	Prep Date:		RunNo:	16967
Client ID: ZZZZZ	Batch ID: R16967	Method: SW6010B		Analysis Date: 4/9/2009		SeqNo:	439321
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	0.104	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	49.4	1.0	50	0	99	90	110				
Chromium	5.16	0.010	5	0	103	90	110				
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	10.3	0.050	10	0	103	90	110				
Lead	10.1	0.010	10	0	101	90	110				
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	49.9	1.0	50	0	100	90	110				
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV10**	SampType: **CCV**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439322**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	4.99	0.10	5	0	100	90	110				
Antimony	0.501	0.060	0.5	0	100	90	110				
Arsenic	0.506	0.010	0.5	0	101	90	110				
Barium	0.500	0.10	0.5	0	100	90	110				
Beryllium	0.507	0.010	0.5	0	101	90	110				
Boron	0.504	0.050	0.5	0	101	90	110				
Cadmium	0.511	0.010	0.5	0	102	90	110				
Calcium	10.2	1.0	10	0	102	90	110				
Chromium	0.514	0.010	0.5	0	103	90	110				
Cobalt	0.512	0.050	0.5	0	102	90	110				
Copper	0.498	0.010	0.5	0	100	90	110				
Iron	1.02	0.050	1	0	102	90	110				
Lead	0.506	0.010	0.5	0	101	90	110				
Magnesium	10.1	1.0	10	0	101	90	110				
Manganese	0.500	0.050	0.5	0	100	90	110				
Molybdenum	0.505	0.050	0.5	0	101	90	110				
Nickel	0.523	0.050	0.5	0	105	90	110				
Potassium	10.9	5.0	10	0	109	90	110				
Selenium	0.508	0.010	0.5	0	102	90	110				
Silver	0.252	0.010	0.25	0	101	90	110				
Sodium	9.94	1.0	10	0	99	90	110				
Strontium	0.501	0.050	0.5	0	100	90	110				
Thallium	0.516	0.020	0.5	0	103	90	110				
Tin	0.511	0.050	0.5	0	102	90	110				
Titanium	0.506	0.050	0.5	0	101	90	110				
Vanadium	0.511	0.050	0.5	0	102	90	110				
Zinc	0.500	0.020	0.5	0	100	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **CCB10**	SampType: **CCB**	TestCode: **6010W05**	Units: **mg/L**	Prep Date:		RunNo:	**16967**
Client ID: **ZZZZZ**	Batch ID: **R16967**	Method: **SW6010B**		Analysis Date: **4/9/2009**		SeqNo:	**439323**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.10									
Antimony	ND	0.060									
Arsenic	ND	0.010									
Barium	ND	0.10									
Beryllium	ND	0.010									
Boron	ND	0.050									
Cadmium	ND	0.010									
Calcium	ND	1.0									
Chromium	ND	0.010									
Cobalt	ND	0.050									
Copper	ND	0.010									
Iron	ND	0.050									
Lead	ND	0.010									
Magnesium	ND	1.0									
Manganese	ND	0.050									
Molybdenum	ND	0.050									
Nickel	ND	0.050									
Potassium	ND	5.0									
Selenium	ND	0.010									
Silver	ND	0.010									
Sodium	ND	1.0									
Strontium	ND	0.050									
Thallium	ND	0.020									
Tin	ND	0.050									
Titanium	ND	0.050									
Vanadium	ND	0.050									
Zinc	ND	0.020									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
Analyte	True	Found	%R	True	Found	%R	Found	%R
Arsenic				10.00			9.83	98.3
Barium				100.00			99.76	99.8
Cadmium				10.00			8.89	88.9
Chromium				10.00			12.16	121.6
Lead				10.00			11.27	112.7
Selenium				10.00			10.65	106.5
Silver				10.00			10.20	102.0

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9222**	SampType: **MBLK**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**	RunNo: **16967**				
Client ID: **ZZZZZ**	Batch ID: **9222**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**	SeqNo: **439224**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	10									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9223**	SampType: **MBLK**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**	RunNo: **16967**				
Client ID: **ZZZZZ**	Batch ID: **9223**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**	SeqNo: **439256**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	10									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	0.660	1.0									J
Selenium	ND	1.0									
Silver	ND	1.0									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9224**	SampType: **MBLK**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**	RunNo: **16967**				
Client ID: **ZZZZZ**	Batch ID: **9224**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**	SeqNo: **439201**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									
Barium	ND	10									
Cadmium	ND	1.0									
Chromium	ND	1.0									
Lead	ND	1.0									
Selenium	ND	1.0									
Silver	ND	1.0									

Qualifiers:

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

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ICP INTERFERENCE CHECK SAMPLE

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

ICP ID Number: ICAP 61E ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000	492424	485979.7	97.2	481824	472901.0	94.6
Antimony	0	600	-1	606.1	101.0	1	596.9	99.5
Arsenic	0	100	2	101.1	101.1	0	97.7	97.7
Barium	0	500	0	461.3	92.3	0	452.1	90.4
Beryllium	0	500	0	476.8	95.4	0	467.6	93.5
Boron	0	500	3	486.2	97.2	3	474.2	94.8
Cadmium	0	1000	0	891.5	89.1	0	869.9	87.0
Calcium	500000	500000	489767	485124.6	97.0	477019	467149.2	93.4
Chromium	0	500	4	463.9	92.8	4	454.9	91.0
Cobalt	0	500	3	454.9	91.0	3	442.9	88.6
Copper	0	500	-1	510.8	102.2	-2	502.6	100.5
Iron	200000	200000	181017	179588.3	89.8	178843	175137.9	87.6
Lead	0	50	0	46.7	93.4	2	46.2	92.5
Magnesium	500000	500000	486623	481590.4	96.3	477568	465500.6	93.1
Manganese	0	500	0	469.2	93.8	0	452.1	90.4
Molybdenum	0	500	0	456.1	91.2	-2	448.1	89.6
Nickel	0	1000	0	925.5	92.5	1	905.2	90.5
Potassium	0	0	-5	7981.5		-65	7623.3	0.0
Selenium	0	50	4	51.8	103.5	3	47.8	95.5
Silver	0	200	0	200.0	100.0	0	197.3	98.7
Sodium	0	1000	22	1172.5	117.3	20	1160.7	116.1
Strontium	0	500	0	456.0	91.2	0	444.9	89.0
Thallium	0	100	10	106.1	106.1	10	98.3	98.3
Tin	0	500	7	474.9	95.0	7	458.1	91.6
Titanium	0	500	0	481.2	96.2	0	468.1	93.6
Vanadium	0	500	0	470.9	94.2	0	464.1	92.8
Zinc	0	1000	-1	975.8	97.6	-1	937.5	93.8

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

ICP ID Number: ICAP 61E ICS Source:

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Aluminum	500000	500000				488510	480075.2	96.0
Antimony	0	600				0	609.8	101.6
Arsenic	0	100				0	99.3	99.3
Barium	0	500				0	457.9	91.6
Beryllium	0	500				0	478.7	95.7
Boron	0	500				5	484.1	96.8
Cadmium	0	1000				0	891.7	89.2
Calcium	500000	500000				485106	478372.7	95.7
Chromium	0	500				5	465.9	93.2
Cobalt	0	500				4	456.0	91.2
Copper	0	500				-1	510.5	102.1
Iron	200000	200000				182228	179568.3	89.8
Lead	0	50				2	48.0	96.0
Magnesium	500000	500000				490074	481166.4	96.2
Manganese	0	500				0	464.1	92.8
Molybdenum	0	500				-1	456.8	91.4
Nickel	0	1000				1	924.1	92.4
Potassium	0	0				4	7919.4	0.0
Selenium	0	50				3	50.2	100.3
Silver	0	200				0	200.9	100.4
Sodium	0	1000				24	1190.7	119.1
Strontium	0	500				0	451.6	90.3
Thallium	0	100				15	108.2	108.2
Tin	0	500				11	474.9	95.0
Titanium	0	500				1	477.5	95.5
Vanadium	0	500				0	473.4	94.7
Zinc	0	1000				-1	960.6	96.1

Life Science Laboratories, Inc.

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-010AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09	RunNo:	16967
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/09	SeqNo:	439239
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	47.8	1.1	45.5	5.24	94	60	140				
Barium	135	11	45.5	140	0	60	140				S
Cadmium	39.8	1.1	45.5	1.72	84	60	140				
Chromium	78.6	1.1	45.5	37.3	91	60	140				
Lead	332	1.1	45.5	339	0	60	140				S
Selenium	41.4	1.1	45.5	0	91	60	140				
Silver	10.9	1.1	11.4	0.25	93	60	140				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-010AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09	RunNo:	16967
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/09	SeqNo:	439298
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	85.1	2.3	45.5	38.8	102	60	140				

Qualifiers:

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

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East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-010AMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/09
Instrument:		ColumnID:							

RunNo:	16967									
SeqNo:	439240									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.2	1.1	45.5	5.24	94	60	140	47.8	1	20	
Barium	156	11	45.5	140	35	60	140	135	15	20	S
Cadmium	39.7	1.1	45.5	1.72	84	60	140	39.8	0	20	
Chromium	76.8	1.1	45.5	37.3	87	60	140	78.6	2	20	
Lead	336	1.1	45.5	339	0	60	140	332	1	20	S
Selenium	41.8	1.1	45.5	0	92	60	140	41.4	1	20	
Silver	10.9	1.1	11.4	0.25	94	60	140	10.9	0	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-010AMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/09	RunNo:	16967
Client ID:	9-32-136-TP-12-0309	Batch ID:	9222	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/09	SeqNo:	439302
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	83.0	2.3	45.5	38.8	97	60	140	85.1	2	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-07-0309	Batch ID:	9223	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/2009	SeqNo:	439272
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	57.4	1.3	50.7	8.18	97	60	140				
Barium	190	13	50.7	155	70	60	140				
Cadmium	46.1	1.3	50.7	0.475	90	60	140				
Chromium	83.1	1.3	50.7	38.1	89	60	140				
Lead	164	1.3	50.7	109	110	60	140				
Selenium	47.8	1.3	50.7	0	94	60	140				
Silver	12.5	1.3	12.7	0	99	60	140				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032AMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-07-0309	Batch ID:	9223	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009	SeqNo:	439276
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	53.9	1.3	50.7	8.18	90	60	140	57.4	6	20	
Barium	123	13	50.7	155	0	60	140	190	43	20	RS
Cadmium	46.3	1.3	50.7	0.475	90	60	140	46.1	0	20	
Chromium	197	1.3	50.7	38.1	314	60	140	83.1	81	20	RS
Lead	108	1.3	50.7	109	0	60	140	164	41	20	RS
Selenium	47.3	1.3	50.7	0	93	60	140	47.8	1	20	
Silver	12.4	1.3	12.7	0	98	60	140	12.5	1	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-044AMS	SampType:	MS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-19-0309	Batch ID:	9224	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/2009	SeqNo:	439212
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	78.3	1.3	52.2	21	110	60	140				
Barium	154	13	52.2	103	97	60	140				
Cadmium	51.9	1.3	52.2	0.547	98	60	140				
Chromium	64.4	1.3	52.2	12.6	99	60	140				
Lead	3280	1.3	52.2	3030	487	60	140				S
Selenium	52.3	1.3	52.2	1	98	60	140				
Silver	13.6	1.3	13.1	0	104	60	140				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-044AMSD	SampType:	MSD	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-19-0309	Batch ID:	9224	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009	SeqNo:	439213
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	77.2	1.3	52.2	21	108	60	140	78.3	1	20	
Barium	139	13	52.2	103	70	60	140	154	10	20	
Cadmium	51.4	1.3	52.2	0.547	97	60	140	51.9	1	20	
Chromium	62.4	1.3	52.2	12.6	95	60	140	64.4	3	20	
Lead	2810	1.3	52.2	3030	0	60	140	3280	16	20	S
Selenium	51.2	1.3	52.2	1	96	60	140	52.3	2	20	
Silver	13.2	1.3	13.1	0	101	60	140	13.6	3	20	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010A** SampType: **PDS** TestCode: **6010S** Units: **mg/Kg-dry** Prep Date: **4/8/09** RunNo: **16967**
Client ID: **9-32-136-TP-12-0309** Batch ID: **9222** Method: **SW6010B** **(SW3050B)** Analysis Date: **4/9/09** SeqNo: **439242**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	48.4	1.1	45.5	5.24	95	75	125				
Barium	173	11	45.5	140	72	75	125				S
Cadmium	39.8	1.1	45.5	1.72	84	75	125				
Chromium	75.1	1.1	45.5	37.3	83	75	125				
Lead	360	1.1	45.5	339	47	75	125				S
Selenium	42.3	1.1	45.5	0	93	75	125				
Silver	11.1	1.1	11.4	0.25	95	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010A**	SampType: **PDS**	TestCode: **6010S**	Units: **mg/Kg-dry**	Prep Date: **4/8/09**		RunNo: **16967**	
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9222**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/09**		SeqNo: **439304**	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	120	2.3	91	38.8	89	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032A	SampType:	PDS	TestCode:	6010S	Units:	mg/Kg-dry	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	9-32-136-SS-07-0309	Batch ID:	9223	Method:	SW6010B	(SW3050B)		Analysis Date:	4/9/2009	SeqNo:	439278
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	56.5	1.3	50.7	8.18	95	75	125				
Barium	193	13	50.7	155	76	75	125				
Cadmium	43.9	1.3	50.7	0.475	86	75	125				
Chromium	82.2	1.3	50.7	38.1	87	75	125				
Lead	150	1.3	50.7	109	81	75	125				
Selenium	47.4	1.3	50.7	0	93	75	125				
Silver	12.1	1.3	12.7	0	96	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: 0904022-044A	SampType: PDS	TestCode: 6010S	Units: mg/Kg-dry	Prep Date: 4/8/2009		RunNo: 16967			
Client ID: 9-32-136-SS-19-0309	Batch ID: 9224	Method: SW6010B	(SW3050B)	Analysis Date: 4/9/2009		SeqNo: 439215			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	71.8	1.3	52.2	21	97	75	125				
Barium	146	13	52.2	103	82	75	125				
Cadmium	49.7	1.3	52.2	0.547	94	75	125				
Chromium	62.4	1.3	52.2	12.6	95	75	125				
Lead	2960	1.3	52.2	3030	0	75	125				S
Selenium	52.2	1.3	52.2	1	98	75	125				
Silver	12.9	1.3	13.1	0	99	75	125				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9222**	SampType: **LCS**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**	RunNo: **16967**				
Client ID: **ZZZZZ**	Batch ID: **9222**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**	SeqNo: **439225**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	19.7	1.0	20	0	98	85	115				
Barium	18.9	10	20	0	95	85	115				
Cadmium	19.5	1.0	20	0	97	85	115				
Chromium	20.2	1.0	20	0	101	85	115				
Lead	20.4	1.0	20	0	102	85	115				
Selenium	19.3	1.0	20	0	96	85	115				
Silver	4.88	1.0	5	0	98	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9223**	SampType: **LCS**	TestCode: **6010S**	Units: **mg/Kg**	Prep Date: **4/8/2009**		RunNo: **16967**	
Client ID: **ZZZZZ**	Batch ID: **9223**	Method: **SW6010B**	**(SW3050B)**	Analysis Date: **4/9/2009**		SeqNo: **439257**	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	19.3	1.0	20	0	97	85	115				
Barium	18.9	10	20	0	95	85	115				
Cadmium	18.9	1.0	20	0	94	85	115				
Chromium	19.6	1.0	20	0	98	85	115				
Lead	19.1	1.0	20	0	96	85	115				
Selenium	18.7	1.0	20	0	94	85	115				
Silver	4.75	1.0	5	0	95	85	115				

Qualifiers:

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

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

ANALYTICAL QC SUMMARY REPORT

Method: SW6010B
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	LCS-9224	SampType:	LCS	TestCode:	6010S	Units:	mg/Kg	Prep Date:	4/8/2009	RunNo:	16967
Client ID:	ZZZZZ	Batch ID:	9224	Method:	SW6010B		(SW3050B)	Analysis Date:	4/9/2009	SeqNo:	439202
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	20.9	1.0	20	0	105	85	115				
Barium	20.0	10	20	0	100	85	115				
Cadmium	20.4	1.0	20	0	102	85	115				
Chromium	21.1	1.0	20	0	105	85	115				
Lead	21.0	1.0	20	0	105	85	115				
Selenium	20.1	1.0	20	0	100	85	115				
Silver	5.16	1.0	5	0	103	85	115				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

9

ICP SERIAL DILUTIONS

9-32-136-TP-12-0309-(0-2)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

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
Arsenic	46.06		45.60	J	1.0		P
Barium	1232.87		1275.62		3.5		P
Cadmium	15.10		16.54	J	9.5		P
Chromium	170.70		206.46		20.9		P
Lead	2977.30		3135.44		5.3		P
Selenium	5.00	U	25.00	U			P
Silver	2.20	J	10.00	U	100.0		P

9

ICP SERIAL DILUTIONS

9-32-136-SS-07-0309

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

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
Arsenic	64.52		66.96		3.8		P
Barium	1219.43		1243.25		2.0		P
Cadmium	3.75	J	5.00	U	100.0		P
Chromium	300.49		340.39		13.3	E	P
Lead	858.09		903.46		5.3		P
Selenium	5.00	U	25.00	U			P
Silver	2.00	U	10.00	U			P

9

ICP SERIAL DILUTIONS

9-32-136-SS-19-0309

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

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
Arsenic	160.59		155.50		3.2		P
Barium	787.38		776.89		1.3		P
Cadmium	4.19	J	5.58	J	33.2		P
Chromium	96.38		100.31		4.1		P
Lead	23173.13		23169.98		0.0		P
Selenium	7.66	J	25.00	U	100.0		P
Silver	2.00	U	10.00	U			P

METALS MDL Verification Summary (NELAC)

Instrument ID(s):			TJA ICAP-61E			Verification Dates: 10/08/2008								Units = mg/Kg	
Analytical Method	Prep Method	Matrix	Analyte	Initial MDL	MDL to be Verified	MDL Ver Conc. #1	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	MDL Ver Conc. #2	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	Verified LOD	LOQ
6010B	3050B	Solid	Aluminum	1.7549	4.0	4.0	5.919	148%	no	6.0	8.156	136%	yes	6.000	10.0
6010B	3050B	Solid	Antimony	0.1629	0.1629	0.30	0.161	54%	no	0.450	0.456	101%	yes	0.450	6.0
6010B	3050B	Solid	Arsenic	0.1594	0.40	0.40	0.559	140%	yes	n/a	n/a			0.400	1.0
6010B	3050B	Solid	Barium	0.0377	0.0377	0.10	0.104	104%	yes	n/a	n/a			0.100	10.0
6010B	3050B	Solid	Beryllium	0.0057	0.0057	0.020	0.021	105%	yes	n/a	n/a			0.020	1.0
6010B	3050B	Solid	Boron	0.1525	0.50	0.50	0.505	101%	yes	n/a	n/a			0.500	5.0
6010B	3050B	Solid	Cadmium	0.0305	0.0305	0.10	0.095	95%	yes	n/a	n/a			0.100	1.0
6010B	3050B	Solid	Calcium	1.704	1.704	4.0	3.781	95%	yes	n/a	n/a			4.000	100.0
6010B	3050B	Solid	Chromium	0.1406	0.1406	0.40	0.315	79%	yes	n/a	n/a			0.400	1.0
6010B	3050B	Solid	Cobalt	0.1471	0.1471	0.40	0.383	96%	yes	n/a	n/a			0.400	5.0
6010B	3050B	Solid	Copper	0.0867	0.20	0.20	0.206	103%	yes	n/a	n/a			0.200	1.0
6010B	3050B	Solid	Iron	0.4695	0.4695	1.0	0.811	81%	yes	n/a	n/a			1.000	5.0
6010B	3050B	Solid	Lead	0.1410	0.1410	0.40	0.384	96%	yes	n/a	n/a			0.400	1.0
6010B	3050B	Solid	Magnesium	0.9350	2.0	2.0	1.995	100%	yes	n/a	n/a			2.000	100.0
6010B	3050B	Solid	Manganese	0.0233	0.0233	0.05	0.042	84%	yes	n/a	n/a			0.050	5.0
6010B	3050B	Solid	Molybdenum	0.2305	0.2305	0.50	0.674	135%	yes	n/a	n/a			0.500	5.0
6010B	3050B	Solid	Nickel	0.0683	0.20	0.20	0.136	68%	yes	n/a	n/a			0.200	5.0
6010B	3050B	Solid	Potassium	8.5431	20.0	20.0	17.549	88%	yes	n/a	n/a			20.00	500.0
6010B	3050B	Solid	Selenium	0.1920	0.1920	0.50	0.379	76%	yes	n/a	n/a			0.500	1.0
6010B	3050B	Solid	Silver	0.0974	0.0974	0.20	0.211	106%	yes	n/a	n/a			0.200	1.0
6010B	3050B	Solid	Sodium	0.5806	2.0	2.0	4.541	227%	no	4.0	5.251	131%	yes	4.000	100.0
6010B	3050B	Solid	Strontium	0.0165	0.0165	0.050	0.048	96%	yes	n/a	n/a			0.050	5.0
6010B	3050B	Solid	Thallium	0.5211	0.5211	1.0	0.977	98%	yes	n/a	n/a			1.000	2.0
6010B	3050B	Solid	Tin	0.4129	1.0	1.0	1.076	108%	yes	3.0	3.746			1.000	5.0
6010B	3050B	Solid	Titanium	0.0768	0.0768	0.20	0.177	89%	yes	n/a	n/a			0.200	5.0
6010B	3050B	Solid	Vanadium	0.0829	0.0829	0.20	0.238	119%	yes	n/a	n/a			0.200	5.0
6010B	3050B	Solid	Zinc	0.2560	0.2560	0.40	0.528	132%	yes	n/a	n/a			0.400	2.0

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

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

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

METALS MDL Verification Summary (NELAC)

Instrument ID(s):		TJA ICAP-61E						Verification Dates: 10/08/2008				Units = mg/L			
Analytical Method	Prep Method	Matrix	Analyte	Initial MDL	MDL to be Verified	MDL Ver Conc. #1	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	MDL Ver Conc. #2	MDL Ver Result	MDL Ver %Rec	Rec Met 60-140%	Verified LOD	LOQ
6010B	3005A	Water	Aluminum	0.01245	0.040	0.04	0.0592	148%	no	0.06	0.08076	135%	yes	0.0600	0.100
6010B	3005A	Water	Antimony	0.00152	0.00152	0.003	0.00236	79%	yes	n/a	n/a			0.0030	0.060
6010B	3005A	Water	Arsenic	0.00120	0.0040	0.004	0.00484	121%	yes	n/a	n/a			0.0040	0.010
6010B	3005A	Water	Barium	0.00054	0.00054	0.002	0.00205	103%	yes	n/a	n/a			0.0020	0.100
6010B	3005A	Water	Beryllium	0.00010	0.00010	0.0002	0.00023	115%	yes	n/a	n/a			0.0002	0.010
6010B	3005A	Water	Boron	0.00300	0.00300	0.005	0.00545	109%	yes	n/a	n/a			0.0050	0.050
6010B	3005A	Water	Cadmium	0.00042	0.00042	0.001	0.00103	103%	yes	n/a	n/a			0.0010	0.010
6010B	3005A	Water	Calcium	0.00688	0.040	0.04	0.0276	69%	yes	n/a	n/a			0.0400	1.000
6010B	3005A	Water	Chromium	0.00144	0.00144	0.0028	0.00353	126%	yes	n/a	n/a			0.0028	0.010
6010B	3005A	Water	Cobalt	0.00192	0.0060	0.006	0.00397	66%	yes	n/a	n/a			0.0060	0.050
6010B	3005A	Water	Copper	0.00188	0.00188	0.0028	0.00313	112%	yes	n/a	n/a			0.0028	0.010
6010B	3005A	Water	Iron	0.00500	0.00500	0.01	0.0077	77%	yes	n/a	n/a			0.0100	0.050
6010B	3005A	Water	Lead	0.00084	0.0040	0.004	0.0038	95%	yes	n/a	n/a			0.0040	0.010
6010B	3005A	Water	Magnesium	0.01266	0.040	0.04	0.0413	103%	yes	n/a	n/a			0.0400	1.000
6010B	3005A	Water	Manganese	0.00026	0.0015	0.0015	0.00113	75%	yes	n/a	n/a			0.0015	0.050
6010B	3005A	Water	Molybdenum	0.00292	0.00292	0.005	0.00573	115%	yes	n/a	n/a			0.0050	0.050
6010B	3005A	Water	Nickel	0.00112	0.00112	0.002	0.00141	71%	yes	n/a	n/a			0.0020	0.050
6010B	3005A	Water	Potassium	0.06756	0.06756	0.2	0.1857	93%	yes	n/a	n/a			0.2000	5.000
6010B	3005A	Water	Selenium	0.00264	0.00264	0.005	0.00321	64%	yes	n/a	n/a			0.0050	0.010
6010B	3005A	Water	Silver	0.00090	0.00090	0.002	0.00267	134%	yes	n/a	n/a			0.0020	0.010
6010B	3005A	Water	Sodium	0.00846	0.040	0.04	0.05032	126%	yes	n/a	n/a			0.0400	1.000
6010B	3005A	Water	Strontium	0.00016	0.0005	0.0005	0.00054	108%	yes	n/a	n/a			0.0005	0.050
6010B	3005A	Water	Thallium	0.00587	0.00587	0.01	0.01032	103%	yes	n/a	n/a			0.0100	0.020
6010B	3005A	Water	Tin	0.00647	0.00647	0.01	0.00924	92%	yes	n/a	n/a			0.0100	0.050
6010B	3005A	Water	Titanium	0.00076	0.00076	0.002	0.00187	94%	yes	n/a	n/a			0.0020	0.050
6010B	3005A	Water	Vanadium	0.00066	0.00066	0.002	0.0025	125%	yes	n/a	n/a			0.0020	0.050
6010B	3005A	Water	Zinc	0.00135	0.0040	0.004	0.00469	117%	yes	n/a	n/a			0.0040	0.020

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

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

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

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

ICP ID Number: ICAP-61E Date: 1/15/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	308.22			0.0002326		0.0002982
Antimony	206.83			0.0000813		0.0066209
Arsenic	196.70			-0.0000083		-0.0031051
Barium	493.41	0.0000181		0.0000049		
Beryllium	313.04	0.0000011				
Cadmium	228.80	0.0000326		0.0000464		
Calcium	317.93					
Chromium	267.72	0.0000128		0.0001078	0.0000361	
Cobalt	228.62			0.0000255		0.0000987
Copper	324.75			-0.0000469		-0.0001349
Iron	259.94	0.0000920			0.0000691	0.0004003
Lead	220.35	0.0007664	-0.0000035	0.0000569		0.0000606
Magnesium	279.08					
Manganese	257.61	0.0000086		0.0000159	0.0000140	
Molybdenum	202.03					0.0000649
Nickel	231.60					
Potassium	766.49		-0.0001659		-0.0002156	
Selenium	196.03					-0.0000447
Silver	328.07					
Sodium	589.00					
Thallium	190.86	0.0005382		0.0001699		0.0002945
Vanadium	292.40			0.0000189		0.0000290
Zinc	213.86			0.0000656	0.0000345	

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

ICP ID Number: ICAP-61E Date: 1/15/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Mo	Ni	Co	Mn
Aluminum	308.22	0.0294544	0.0100485			
Antimony	206.83	-0.0072708	0.0009345	-0.0015422		
Arsenic	196.70		-0.0011420			
Barium	493.41					
Beryllium	313.04	0.0002851				
Cadmium	228.80			0.0001199		
Calcium	317.93					
Chromium	267.72	0.0003299				
Cobalt	228.62			0.0003489		
Copper	324.75					
Iron	259.94					
Lead	220.35		-0.0005366	0.0002928		
Magnesium	279.08					
Manganese	257.61					
Molybdenum	202.03					
Nickel	231.60				-0.0012375	
Potassium	766.49					
Selenium	196.03				0.0003586	0.0002244
Silver	328.07		-0.0006357			
Sodium	589.00					
Thallium	190.86	0.0024908			0.0037309	0.0023653
Vanadium	292.40		-0.0014799			
Zinc	213.86			0.0046712		

Comments:

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

ICP ID Number: ICAP-61E Date: 1/15/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	Pb	___	___	___
Aluminum	308.22	0.0194120				
Antimony	206.83					
Arsenic	196.70					
Barium	493.41					
Beryllium	313.04					
Cadmium	228.80					
Calcium	317.93					
Chromium	267.72					
Cobalt	228.62					
Copper	324.75					
Iron	259.94					
Lead	220.35					
Magnesium	279.08					
Manganese	257.61					
Molybdenum	202.03					
Nickel	231.60					
Potassium	766.49					
Selenium	196.03					
Silver	328.07					
Sodium	589.00					
Thallium	190.86	0.0030901	0.0003479			
Vanadium	292.40					
Zinc	213.86					

Comments:

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

ICP ID Number: ICAP 61E Date: 01/15/2009

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

Comments:

13
PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
9-32-136-TP-01	04/08/2009	0.50	50
9-32-136-TP-02	04/08/2009	0.50	50
9-32-136-TP-05	04/08/2009	0.50	50
9-32-136-TP-06	04/08/2009	0.50	50
9-32-136-TP-07	04/08/2009	0.50	50
9-32-136-TP-08	04/08/2009	0.50	50
9-32-136-TP-09	04/08/2009	0.50	50
9-32-136-TP-10	04/08/2009	0.50	50
9-32-136-TP-11	04/08/2009	0.50	50
9-32-136-TP-12	04/08/2009	0.50	50
9-32-136-TP-12	04/08/2009	0.50	50
9-32-136-TP-12	04/08/2009	0.50	50
9-32-136-TP-12	04/08/2009	0.50	50
9-32-136-TP-12	04/08/2009	0.50	50
9-32-136-TP-13	04/08/2009	0.50	50
9-32-136-TP-14	04/08/2009	0.50	50
9-32-136-TP-15	04/08/2009	0.50	50
9-32-136-TP-16	04/08/2009	0.50	50
9-32-136-TP-17	04/08/2009	0.50	50
9-32-136-TP-18	04/08/2009	0.50	50
9-32-136-TP-19	04/08/2009	0.50	50
9-32-136-TP-20	04/08/2009	0.50	50
9-32-136-TP-21	04/08/2009	0.50	50
9-32-136-TP-22	04/08/2009	0.50	50
LCS-9222	04/08/2009	0.50	50
MB-9222	04/08/2009	0.50	50

13
PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
9-32-136-SS-01	04/08/2009	0.50	50
9-32-136-SS-02	04/08/2009	0.50	50
9-32-136-SS-03	04/08/2009	0.50	50
9-32-136-SS-04	04/08/2009	0.50	50
9-32-136-SS-05	04/08/2009	0.50	50
9-32-136-SS-06	04/08/2009	0.50	50
9-32-136-SS-07	04/08/2009	0.50	50
9-32-136-SS-07	04/08/2009	0.50	50
9-32-136-SS-07	04/08/2009	0.50	50
9-32-136-SS-08	04/08/2009	0.50	50
9-32-136-SS-09	04/08/2009	0.50	50
9-32-136-SS-10	04/08/2009	0.50	50
9-32-136-SS-11	04/08/2009	0.50	50
9-32-136-SS-12	04/08/2009	0.50	50
9-32-136-SS-13	04/08/2009	0.50	50
9-32-136-SS-14	04/08/2009	0.50	50
9-32-136-SS-15	04/08/2009	0.50	50
9-32-136-TP-23	04/08/2009	0.50	50
9-32-136-TP-24	04/08/2009	0.50	50
9-32-136-TP-25	04/08/2009	0.50	50
9-32-136-TP-DU	04/08/2009	0.50	50
LCS-9223	04/08/2009	0.50	50
MB-9223	04/08/2009	0.50	50

13
PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
9-32-136-SS-16	04/08/2009	0.50	50
9-32-136-SS-17	04/08/2009	0.50	50
9-32-136-SS-18	04/08/2009	0.50	50
9-32-136-SS-19	04/08/2009	0.50	50
9-32-136-SS-19	04/08/2009	0.50	50
9-32-136-SS-19	04/08/2009	0.50	50
9-32-136-SS-20	04/08/2009	0.50	50
9-32-136-SS-21	04/08/2009	0.50	50
9-32-136-SS-22	04/08/2009	0.50	50
9-32-136-SS-23	04/08/2009	0.50	50
9-32-136-SS-DU	04/08/2009	0.50	50
LCS-9224	04/08/2009	0.50	50
MB-9224	04/08/2009	0.50	50

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: ICAP 61E Method: P

Start Date: 04/09/2009 End Date: 04/09/2009

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	0937		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S3 CT	1.00	0941		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S2 4/16/09	1.00	0945		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
S1	1.00	0947		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICVH	1.00	0951		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICV	1.00	0955		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV/IPC	1.00	0959		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICB	1.00	1003		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CRI	1.00	1007				X	X		X			X			X						X	X					
ICSA	1.00	1011		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1015		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MB-9224	1.00	1043				X	X		X			X			X						X	X					
LCS-9224	1.00	1047				X	X		X			X			X						X	X					
ZZZZZZ	1.00	1051																									
ZZZZZZ	1.00	1125																									
SS-17-0309	1.00	1132				X	X		X			X			X						X	X					
SS-18-0309	1.00	1136				X	X		X			X			X						X	X					
CCVH1	1.00	1139		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV1	1.00	1143		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB1	1.00	1146		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS-19-0309	1.00	1150				X	X		X			X			X						X	X					
S-19-0309S	1.00	1153				X	X		X			X			X						X	X					
-19-0309SD	1.00	1157				X	X		X			X			X						X	X					
S-19-0309L	5.00	1200				X	X		X			X			X						X	X					
S-19-0309A	1.00	1204				X	X		X			X			X						X	X					
SS-20-0309	1.00	1207				X	X		X			X			X						X	X					
SS-21-0309	1.00	1211				X	X		X			X			X						X	X					
SS-22-0309	1.00	1215				X	X		X			X			X						X	X					
SS-23-0309	1.00	1218				X	X		X			X			X						X	X					
S-DUP-0309	1.00	1222				X	X		X			X			X						X	X					
CCVH2	1.00	1225		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV2	1.00	1229		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB2	1.00	1232		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
MB-9222	1.00	1236				X	X		X			X			X						X	X					
LCS-9222	1.00	1239				X	X		X			X			X						X	X					

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: ICAP 61E Method: P

Start Date: 04/09/2009 End Date: 04/09/2009

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
0309-(0-2)	1.00	1243				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1246				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1250				X	X		X			X										X					
0309-(0-2)	1.00	1253				X	X		X			X			X							X					
0309-(0-2)	1.00	1257				X	X		X			X			X							X					
0309-(0-2)	1.00	1300				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1304				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1308				X	X		X			X			X						X	X					
CCVH3	1.00	1311		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV3	1.00	1315		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB3	1.00	1318		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
0309-(0-2)	1.00	1322				X	X		X			X			X							X					
0309-(0-2)	1.00	1325				X	X		X						X						X	X					
309-(0-2)S	1.00	1329				X	X		X						X						X	X					
09-(0-2)SD	1.00	1332				X	X		X						X						X	X					
309-(0-2)L	5.00	1336				X	X		X						X						X	X					
309-(0-2)A	1.00	1339				X	X		X						X						X	X					
0309-(0-2)	1.00	1343				X	X		X			X									X	X					
0309-(0-2)	1.00	1346				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1350				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1354				X	X		X			X									X	X					
CCVH4	1.00	1405		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV4	1.00	1408		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB4	1.00	1413		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
0309-(0-2)	1.00	1416				X	X		X			X									X	X					
0309-(0-2)	1.00	1422				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1425				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1429				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1432				X	X		X			X									X	X					
0309-(0-2)	1.00	1436				X	X		X			X			X						X	X					
MB-9223	1.00	1455				X	X		X			X			X						X	X					
LCS-9223	1.00	1458				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1502				X	X		X			X			X						X	X					
0309-(0-2)	1.00	1506				X	X		X			X			X						X	X					
CCVH5	1.00	1510		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: ICAP 61E Method: P

Start Date: 04/09/2009 End Date: 04/09/2009

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV5	1.00	1513		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB5	1.00	1517		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
0309-(0-2)	1.00	1520				X	X		X			X			X							X	X					
P-DUP-0309	1.00	1524				X	X		X			X			X							X	X					
SS-01-0309	1.00	1527				X	X		X			X			X							X	X					
SS-02-0309	1.00	1531				X	X		X			X			X							X	X					
SS-03-0309	1.00	1534				X	X		X			X			X							X	X					
SS-04-0309	1.00	1538				X	X		X			X			X								X					
SS-05-0309	1.00	1541				X	X		X			X			X								X					
SS-06-0309	1.00	1545				X	X		X			X			X								X					
SS-07-0309	1.00	1549				X	X		X			X			X							X	X					
S-07-0309S	1.00	1552				X	X		X			X			X							X	X					
CCVH6	1.00	1556		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV6	1.00	1559		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB6	1.00	1603		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
-07-0309SD	1.00	1608				X	X		X			X			X							X	X					
S-07-0309L	5.00	1612				X	X		X			X			X							X	X					
S-07-0309A	1.00	1615				X	X		X			X			X							X	X					
SS-08-0309	1.00	1619				X	X		X			X			X								X					
SS-09-0309	1.00	1623				X	X		X			X			X							X	X					
SS-10-0309	1.00	1626				X	X		X			X			X							X	X					
SS-11-0309	1.00	1630				X	X		X			X			X							X	X					
SS-12-0309	1.00	1633				X	X		X			X			X							X	X					
ICSA	1.00	1643		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1646		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVH7	1.00	1650		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV7	1.00	1700		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB7	1.00	1705		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS-13-0309	1.00	1709				X	X		X			X			X							X	X					
SS-15-0309	1.00	1718				X	X		X			X			X							X	X					
SS-16-0309	2.00	1723				X	X		X			X			X							X	X					
0309-(0-2)	5.00	1727													X							X						
0309-(0-2)	5.00	1732																				X						
0309-(0-2)	5.00	1736																				X						
0309-(0-2)	5.00	1740																				X						

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: ICAP 61E Method: P

Start Date: 04/09/2009 End Date: 04/09/2009

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
0309-(0-2)	2.00	1745										X															
309-(0-2)S	2.00	1749										X															
CCVH8	1.00	1754		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV8	1.00	1758		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB8	1.00	1803		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
09-(0-2)SD	2.00	1807										X															
309-(0-2)L	10.00	1812										X															
309-(0-2)A	2.00	1816										X															
0309-(0-2)	20.00	1821													X												
0309-(0-2)	50.00	1825													X												
0309-(0-2)	20.00	1829													X												
0309-(0-2)	40.00	1834													X												
SS-04-0309	5.00	1838																			X						
SS-05-0309	5.00	1843																			X						
SS-06-0309	5.00	1847																			X						
CCVH9	1.00	1852		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV9	1.00	1856		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB9	1.00	1901		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
SS-08-0309	5.00	1905																			X						
SS-14-0309	5.00	1914				X	X		X			X			X						X	X					
ICSA	1.00	1923		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
ICSAB	1.00	1927		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCVH10	1.00	1932		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCV10	1.00	1936		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	
CCB10	1.00	1941		X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	

Raw Data

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

Analysis Date: 04/09/09 **Lab Method:** KICAP

Standard #	Sample ID	Batch ID	DF	Method	Comment
	Profile	1.0 mg/L As			Vernier set: 582, Time: 9:00 AM
7835-S	BLANK		1	6010B	
7836-S	STD3		1		
7837-S	STD2		1		
7838-S	STD1		1		
7814-S	ICVH		1		
7558-S	ICV		1		
7839-S	CCV/IPC		1		
7835-S	ICB		1		
7842-S	CRI(PQL)		1		
7701-S	ICSA-INITIAL		1		
7962-S	ICSAB-INITIAL		1		
	MB-9224	9224	1		
	LCS-9224		1		
	0903071-002A		1		
	0903021-002ADUP		1		
	0904022-041A		1		Fe > LR, D/R for all elements
	0904022-042A		1		
	0907022-043A		1		
7841-S	CCVH1		1		
7839-S	CCV1		1		
7835-S	CCB1		1		
	0904022-044A	9224	1		
	0904022-044AMS		1		
	0904022-044AMSD		1		
	0904022-044ASD		5		
	0904022-044APDS		1		
	0904022-045A		1		
	0904022-046A		1		
	0904022-047A		1		
	0904022-048A		1		
	0904022-049A		1		
	CCVH2		1		
	CCV2		1		
	CCB2		1		
	MB-9222	9222	1		
	LCS-9222		1		
	0904022-001A		1		
	0904022-002A		1		
	0904022-003A		1		Ca, Mn > LR, D/R for Pb, Se
	0904022-004A		1		Mn > LR, D/R for Se

N/A = Not Applicable, >LR = Greater than Linear Range, D/RA = Dilute and Reanalyze, RA = Reanalyze

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

Analysis Date: 04/09/09 **Lab Method:** KICAP

Standard #	Sample ID	Batch ID	DF	Method	Comment
	0904022-005A	9222	1	6010B	Mn > LR, D/RA for Se
	0904022-006A		1		
	0904022-007A		1		
	0904022-008A		1		
	CCVH3		1		
	CCV3		1		
	CCB3		1		
	0904022-009A	9222	1		Mn > LR, D/RA for Se
	0904022-010A		1		Mg > LR, D/RA for Cr
	0904022-010AMS		1		
	0904022-010AMSD		1		
	0904022-010ASD		5		
	0904022-010APDS		1		
	0904022-011A		1		Pb > LR, D/RA for Pb
	0904022-012A		1		
	0904022-013A		1		
	0904022-014A		1		Pb > LR, D/RA for Pb
	CCVH4		1		
	CCV4		1		
	CCB4		1		
	0904022-015A	9222	1		Pb > LR, D/RA for Pb
	0904022-016A		1		
	0904022-017A		1		
	0904022-018A		1		
	0904022-019A		1		Pb > LR, D/RA for Pb
	0904022-020A		1		
	MB-9223	9223	1		
	LCS-9223		1		
	0904022-021A		1		
	0904022-022A		1		
	CCVH5		1		
	CCV5		1		
	CCB5		1		
	0904022-023A	9223	1		
	0904022-024A		1		
	0904022-026A		1		
	0904022-027A		1		
	0904022-028A		1		
	0904022-029A		1		Mn > LR, D/RA for Se
	0904022-030A		1		
	0904022-031A		1		

N/A = Not Applicable, >LR = Greater than Linear Range, D/RA = Dilute and Reanalyze, RA = Reanalyze

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

Analysis Date: 04/09/09 **Lab Method:** KICAP

Standard #	Sample ID	Batch ID	DF	Method	Comment
	0904022-032A	9223	1	6010B	
	0904022-032AMS	↓	1	↓	
	CCVH6		1		
	CCV6		1		
	CCB6		1		
	0904022-032AMSD	9223	1		
	0904022-032ASD		5		
	0904022-032APDS		1		
	0904022-033A		1		Mn > LR, D/RA for Se
	0904022-034A		1		
	0904022-035A		1		
	0904022-036A		1		
	0904022-037A		1		
	ICSA-FINAL		1		
	ICSAB-FINAL		1		
	CCVH7		1		
	CCV7		1		
	CCB7		1		
	0904022-038A	9223	1		
	0904022-039A	↓	1		Fe > LR, D/RA for all elements
	0904022-040A		1		
	0904022-041A	9224	2		For all elements
	0904022-003A	9222	5		For Pb and Se
	0904022-004A		5		For Se only
	0904022-005A		5		↓
	0904022-009A		5		
	0904022-010A		2		For Cr only
	0904022-010AMS	↓	2		↓
	CCVH8		1		
	CCV8		1		
	CCB8		1		
	0904022-010AMSD	9222	2		For Cr only
	0904022-010ASD		10		↓
	0904022-010APDS		2		
	0904022-011A		20		For Pb only
	0904022-014A		50		↓
	0904022-015A		20		
	0904022-019A	↓	40		↓
	0904022-029A	9223	5		For Se only
	0904022-030A		5		
	0904022-031A	↓	5	↓	↓

N/A = Not Applicable, >LR = Greater than Linear Range, D/RA = Dilute and Reanalyze, RA = Reanalyze

Life Science Laboratories, Inc. - Brittonfield

ICAP-61E Analysis Run Log

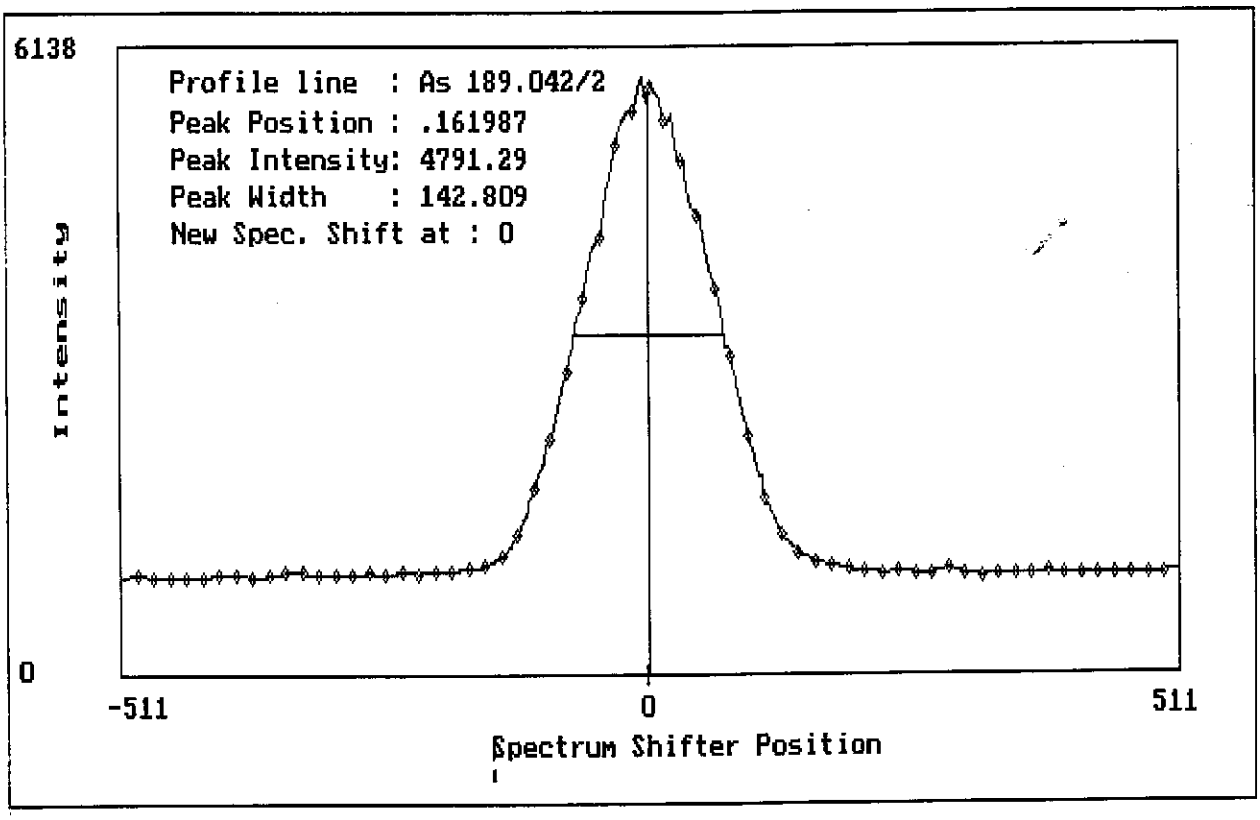
Analysis Date: 04/09/09 **Lab Method: KICAP**

Standard #	Sample ID	Batch ID	DF	Method	Comment
	CCVH9		1	6010B	
	CCV9		1		
	CCB9		1		
	0904022-033A	9223	5		For Se only
	0904022-038A		5		Do not need
	0904022-039A		5		For all elements
	0904022-010A		5		Do not need
	ICSA-FINAL		1		
	ICSAB-FINAL		1		
	CCVH10		1		
	CCV10		1		
	CCB10		1		

Analyst: Cang Tran Date: 4/13/09

Reviewer: M Tashuk Date: 4/16/09

Print Date: 4/13/09


6138
Profile line : As 189.042/2
Peak Position : .161987
Peak Intensity: 4791.29
Peak Width : 142.809
New Spec. Shift at : 0
Intensity
0
-511
0
511
Spectrum Shifter Position

CT
4/13/09

Method: KICAP Standard: BLANK
Run Time: 04/09/09 09:37:53

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Ca
Avge	.01866	1.060	3.7435	.19990	.49175	1.143	1.241
SDev	.01665	.005	.0129	.00000	.00200	.004	.011
%RSD	89.214	.4747	.34331	.00000	.40651	.3641	.8521
#1	.02399	1.064	3.7581	.19990	.49375	1.147	1.253
#2	.03198	1.060	3.7341	.19990	.49175	1.141	1.233
#3	.00000	1.054	3.7381	.19990	.48976	1.139	1.237

Elem	Cd2265	Co2286	Cr	Cr	Cu3247	Fe	Fe
Avge	41.627	4.0943	6.5890	7.3123	.05997	1.4256	10.067
SDev	.089	.0250	.0285	.0433	.00360	.0049	.040
%RSD	.21350	.61095	.43234	.59156	6.0093	.34584	.39865
#1	41.729	4.1199	6.6177	7.3613	.06397	1.4313	10.111
#2	41.576	4.0930	6.5887	7.2964	.05897	1.4233	10.059
#3	41.574	4.0700	6.5607	7.2794	.05697	1.4223	10.032

Elem	K_7664	Mg2790	Mn2576	Mo2020	Na	Na	Ni2316
Avge	17.16	.9765	1.3433	.01166	3.539	8.844	-.01333
SDev	.05	.0030	.0070	.02416	.015	.044	.00153
%RSD	.2778	.3071	.52084	207.20	.4342	.4985	11.456
#1	17.21	.9795	1.3483	.03398	3.556	8.893	-.01299
#2	17.16	.9765	1.3463	-.01399	3.531	8.833	-.01199
#3	17.12	.9735	1.3353	.01499	3.528	8.807	-.01499

Elem	Sn1899	Sr4215	Ti3349	V_2924	Zn2138	As1890	Tl1908
Avge	6.0746	.70165	.59170	.00233	.02865	.00433	16.265
SDev	.0135	.00346	.00346	.00378	.02799	.03439	.051
%RSD	.22218	.49346	.58515	162.25	97.695	794.09	.31094
#1	6.0880	.70565	.59370	.00500	.01199	.00050	16.314
#2	6.0750	.69965	.59370	.00400	.01299	.04048	16.269
#3	6.0610	.69965	.58771	-.00200	.06097	-.02799	16.213

Elem	2203/1	2203/2	Pb	1960/1	1960/2	2068/1	2068/2
Avge	.02699	-.24255	8.8912	-.27819	.15026	-.04198	-.10195
SDev	.34416	.33725	.0358	.09814	.10010	.12712	.16476
%RSD	1275.3	139.04	.40287	35.276	66.620	302.82	161.61
#1	.41679	-.26187	8.9295	-.19590	.26487	-.06197	-.04398
#2	-.10095	.10395	8.8856	-.38681	.07996	.09395	-.28786
#3	-.23488	-.56972	8.8586	-.25187	.10595	-.15792	.02599

CT
4/13/09

Method: KICAP Standard: STD3
Run Time: 04/09/09 09:41:34

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Avge	28.725	17.56	53.054	14.510	178.40	264.6	2751.6
SDev	.048	.05	.181	.026	.39	.9	7.6
%RSD	.16847	.2718	.34087	.17950	.21751	.3245	.27616
#1	28.702	17.52	52.899	14.508	178.08	263.8	2743.8
#2	28.693	17.56	53.010	14.485	178.28	264.5	2752.0
#3	28.781	17.61	53.252	14.537	178.83	265.5	2759.0

Elem	Co2286	Cr	Cu3247	Fe	Mg2790	Mn2576	Mo2020
Avge	60.201	122.77	20.998	394.17	41.45	133.57	21.891
SDev	.174	.34	.033	1.05	.13	.30	.150
%RSD	.28836	.27487	.15500	.26546	.3191	.22373	.68652
#1	60.071	122.50	20.996	393.19	41.33	133.34	21.728
#2	60.133	122.66	20.967	394.04	41.44	133.46	21.922
#3	60.398	123.15	21.031	395.27	41.59	133.91	22.024

Elem	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924	Zn2138
Avge	1008.	12.069	39.909	128.91	20.219	28.081	41.852
SDev	1.	.035	.156	.23	.041	.068	.108
%RSD	.1424	.28977	.39114	.18169	.20276	.24085	.25815
#1	1008.	12.030	39.806	128.83	20.189	28.031	41.771
#2	1007.	12.081	40.089	128.74	20.203	28.054	41.811
#3	1010.	12.097	39.833	129.18	20.266	28.158	41.975

Elem	As1890	Tl1908	2203/1	2203/2	1960/1	1960/2	2068/1
Avge	135.61	81.441	504.91	456.34	69.422	78.472	90.356
SDev	.46	.465	1.35	3.43	.076	.837	.775
%RSD	.33885	.57130	.26751	.75210	.10981	1.0669	.85740
#1	135.15	80.978	503.49	452.50	69.337	77.558	89.468
#2	135.61	81.438	505.06	457.43	69.485	78.655	90.706
#3	136.07	81.908	506.17	459.10	69.443	79.202	90.895

Elem	2068/2
Avge	124.43
SDev	.16
%RSD	.12905
#1	124.46
#2	124.25
#3	124.56

Method: KICAP Standard: STD2
Run Time: 04/09/09 09:45:30

Elem	Ca	Cr	Fe	Na	Pb
Avge	163.7	37.318	23.839	22.11	83.195
SDev	.8	.131	.128	.06	.393
%RSD	.4792	.35234	.53665	.2689	.47208
#1	163.1	37.188	23.726	22.07	82.875
#2	163.6	37.313	23.813	22.07	83.077
#3	164.6	37.451	23.978	22.18	83.633

Method: KICAP Standard: STD1
Run Time: 04/09/09 09:47:19

Elem	K_7664
Avge	65.04
SDev	.19
%RSD	.2863
#1	64.83
#2	65.08
#3	65.19

Standardization Report 04/09/09 09:49:21 AM page 1

Method: KICAP Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	STD3	BLANK	.017396	-.000325	04/09/09 09:47:19
Al3082	308.215	STD3	BLANK	1.35115	.875555	04/09/09 09:47:19
B_2496	249.678	STD3	BLANK	.020508	-.076772	04/09/09 09:47:19
Ba4934	493.409	STD3	BLANK	.069883	-.013970	04/09/09 09:47:19
Be3130	313.042	STD3	BLANK	.005623	-.002765	04/09/09 09:47:19
Ca	317.933	STD3	BLANK	.075934	-.094263	04/09/09 09:47:19
Ca	370.603	STD2	BLANK	1.28868	.453716	04/09/09 09:47:19
Cd2265	226.502	STD3	BLANK	.000369	-.015369	04/09/09 09:47:19
Co2286	228.616	STD3	BLANK	.017832	-.073010	04/09/09 09:47:19
Cr	267.716	STD3	BLANK	.008666	-.063370	04/09/09 09:47:19
Cr	298.919	STD2	BLANK	.395362	2.79825	04/09/09 09:47:19
Cu3247	324.753	STD3	BLANK	.047751	-.002864	04/09/09 09:47:19
Fe	271.441	STD2	BLANK	1.34496	-.103979	04/09/09 09:47:19
Fe	259.940	STD3	BLANK	.005212	-.052473	04/09/09 09:47:19
K_7664	766.491	STD1	BLANK	2.72137	-20.7545	04/09/09 09:47:19
Mg2790	279.078	STD3	BLANK	1.44256	-.077005	04/09/09 09:47:19
Mn2576	257.610	STD3	BLANK	.007566	-.010164	04/09/09 09:47:19
Mo2020	202.030	STD3	BLANK	.045707	-.000533	04/09/09 09:47:19
Na	588.995	STD3	BLANK	.767856	-2.26445	04/09/09 09:47:19
Na	330.232	STD2	BLANK	1.22524	4.44970	04/09/09 09:47:19
Ni2316	231.604	STD3	BLANK	.082668	.001102	04/09/09 09:47:19
Sn1899	189.989	STD3	BLANK	.029641	-.180057	04/09/09 09:47:19
Sr4215	421.552	STD3	BLANK	.007801	-.005473	04/09/09 09:47:19
Ti3349	334.941	STD3	BLANK	.051006	-.030180	04/09/09 09:47:19
V_2924	292.402	STD3	BLANK	.035564	-.000083	04/09/09 09:47:19
Zn2138	213.856	STD3	BLANK	.024026	-.000688	04/09/09 09:47:19
As1890	189.042	STD3	BLANK	.007343	-.000032	04/09/09 09:47:19
Tl1908	190.864	STD3	BLANK	.015597	-.253693	04/09/09 09:47:19
Pb	220.353	NONE	NONE	1.00000	.000000	*04/09/09 09:47:19
Se1960	196.026	NONE	NONE	1.00000	.000000	*04/09/09 09:47:19
Sb2068	206.838	NONE	NONE	1.00000	.000000	*04/09/09 09:47:19
2203/1	220.351	STD3	BLANK	.001993	-.000054	04/09/09 09:47:19
2203/2	220.352	STD3	BLANK	.002182	.000529	04/09/09 09:47:19
Pb	405.782	STD2	BLANK	1.21361	3.77162	04/09/09 09:47:19
1960/1	196.021	STD3	BLANK	.014355	.003993	04/09/09 09:47:19
1960/2	196.022	STD3	BLANK	.012763	-.001918	04/09/09 09:47:19
2068/1	206.831	STD3	BLANK	.011050	.000464	04/09/09 09:47:19
2068/2	206.832	STD3	BLANK	.008030	.000819	04/09/09 09:47:19

Method: KICAP Sample Name: ICVH Operator: CT
Run Time: 04/09/09 09:51:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.0161	.00155	.00019	.00009	50.01	.00014
SDev	.00069	.0039	.00056	.00004	.00002	.07	.00006
%RSD	230.22	24.35	36.507	21.650	19.229	.1404	45.701
#1	-.00039	.0126	.00090	.00014	.00007	49.97	.00008
#2	.00030	.0156	.00195	.00021	.00009	49.97	.00014
#3	.00100	.0203	.00179	.00021	.00010	50.09	.00020
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value						50.00	
Range						10.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00053	5.0862	.00062	10.238	.0335	.0133	.00020
SDev	.00041	.0269	.00021	.023	.0282	.0038	.00003
%RSD	78.022	.52869	34.318	.22857	84.07	28.38	15.334
#1	.00016	5.0574	.00052	10.213	.0033	.0091	.00016
#2	.00045	5.0905	.00047	10.243	.0381	.0144	.00021
#3	.00098	5.1106	.00086	10.259	.0591	.0165	.00021
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value		5.0000		10.000			
Range		10.000		10.000			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00101	49.08	.00072	.00252	.00068	.00048	.00005
SDev	.00067	.16	.00029	.00121	.00004	.00012	.00063
%RSD	65.836	.3263	40.509	48.062	5.2870	24.177	1237.6
#1	.00165	49.12	.00044	.00131	.00064	.00036	-.00053
#2	.00032	48.91	.00102	.00252	.00070	.00050	-.00003
#3	.00105	49.22	.00069	.00373	.00070	.00059	.00071
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value		50.00					
Range		10.00					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00076	.00198	10.031	-.00042	-.00194	10.262
SDev	.00007	.00048	.00185	.019	.00030	.00186	.027
%RSD	765.91	62.675	93.410	.18566	71.461	95.880	.26033
#1	-.00007	-.00078	.00035	10.019	-.00007	-.00406	10.245
#2	.00007	-.00123	.00159	10.022	-.00060	-.00114	10.248
#3	.00002	-.00028	.00399	10.052	-.00060	-.00061	10.293
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK

Value				10.000	
Range				10.000	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.286	.00270	-.00198	-.01732	.00474
SDev	.119	.00265	.00091	.00376	.00120
%RSD	1.1617	98.449	46.001	21.727	25.269
#1	10.148	.00557	-.00289	-.02122	.00451
#2	10.361	.00218	-.00199	-.01702	.00604
#3	10.349	.00033	-.00107	-.01371	.00368
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value					
Range					

Method: KICAP Sample Name: ICV Operator: CT
Run Time: 04/09/09 09:55:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04964	1.001	.49886	.19206	.20265	9.853	.19739
SDev	.00044	.002	.00343	.00108	.00091	.022	.00076
%RSD	.87529	.2389	.68730	.56380	.44990	.2221	.38567
#1	.04954	.9985	.49551	.19096	.20167	9.829	.19653
#2	.05012	1.003	.49870	.19208	.20280	9.859	.19766
#3	.04927	1.003	.50236	.19313	.20347	9.872	.19798
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.05000	1.000	.50000	.20000	.20000	10.00	.20000
Range	10.000	10.00	10.000	10.000	10.000	10.00	10.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19815	.20309	.19964	1.0178	10.31	9.975	.20287
SDev	.00046	.00044	.00070	.0015	.00	.028	.00081
%RSD	.22996	.21884	.35242	.14532	.0397	.2853	.40192
#1	.19763	.20350	.19884	1.0167	10.31	9.942	.20197
#2	.19846	.20314	.19989	1.0173	10.31	9.988	.20306
#3	.19836	.20262	.20018	1.0195	10.31	9.995	.20356
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.20000	.20000	.20000	1.0000		10.00	.20000
Range	10.000	10.000	10.000	10.000		10.00	10.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19593	9.519	.20804	.20469	.19603	.21180	.20153
SDev	.00094	.012	.00093	.00103	.00097	.00081	.00093
%RSD	.47920	.1247	.44662	.50384	.49511	.38051	.46108
#1	.19485	9.511	.20724	.20386	.19506	.21091	.20048
#2	.19640	9.513	.20906	.20437	.19603	.21198	.20184
#3	.19654	9.532	.20782	.20585	.19700	.21249	.20226
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	10.00	.20000	.20000	.20000	.20000	.20000
Range	10.000	10.00	10.000	10.000	10.000	10.000	10.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20024	.20058	.20659	.20425	.19872	.20823	.20476
SDev	.00102	.00083	.00164	.00283	.00126	.00094	.00314
%RSD	.50771	.41372	.79316	1.3844	.63347	.45045	1.5345
#1	.19910	.19971	.20525	.20750	.19727	.20858	.20837
#2	.20053	.20065	.20842	.20240	.19946	.20717	.20273
#3	.20107	.20137	.20611	.20284	.19943	.20894	.20316
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	.20000	.20000	.20000	.20000	.20000	.20000
Range	10.000	10.000	10.000	10.000	10.000	10.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.20399	.19959	.19829	.20648	.20910	
SDev	.00267	.00095	.00176	.00192	.00082	
%RSD	1.3093	.47653	.88867	.92947	.39160	
#1	.20707	.19916	.19632	.20433	.20921	
#2	.20223	.19893	.19973	.20803	.20824	
#3	.20268	.20068	.19881	.20709	.20987	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: CCV/IPC Operator: CT
Run Time: 04/09/09 09:59:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25319	5.019	.50588	.50681	.50570	9.987	.50805
SDev	.00084	.023	.00404	.00333	.00356	.053	.00326
%RSD	.33274	.4565	.79781	.65648	.70391	.5351	.64167
#1	.25266	5.007	.50281	.50485	.50350	9.954	.50581
#2	.25416	5.045	.51045	.51065	.50981	10.05	.51179
#3	.25275	5.004	.50438	.50492	.50379	9.959	.50654
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.25000	5.000	.50000	.50000	.50000	10.00	.50000
Range	5.0000	5.000	5.0000	5.0000	5.0000	5.000	5.0000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50800	.50830	.50178	1.0072	10.84	10.14	.50552
SDev	.00313	.00308	.00323	.0070	.01	.05	.00313
%RSD	.61597	.60558	.64287	.69598	.0662	.5138	.61992
#1	.50572	.50612	.49961	1.0030	10.84	10.11	.50350
#2	.51157	.51182	.50548	1.0153	10.83	10.20	.50913
#3	.50670	.50697	.50023	1.0033	10.85	10.12	.50394
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	1.0000		10.00	.50000
Range	5.0000	5.0000	5.0000	5.0000		5.000	5.0000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50477	9.798	.52031	.50729	.50798	.51181	.50947
SDev	.00544	.004	.00361	.00272	.00338	.00325	.00309
%RSD	1.0773	.0451	.69407	.53636	.66460	.63582	.60707
#1	.49941	9.802	.51752	.50694	.50608	.50975	.50748
#2	.51028	9.797	.52439	.51016	.51188	.51556	.51304
#3	.50461	9.793	.51901	.50475	.50599	.51011	.50791
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	10.00	.50000	.50000	.50000	.50000	.50000
Range	5.0000	5.000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50825	.50440	.50494	.50641	.50472	.50085	.50855
SDev	.00334	.00448	.00501	.00284	.00360	.00197	.00404
%RSD	.65762	.88811	.99264	.56029	.71352	.39276	.79431
#1	.50650	.50143	.49915	.50479	.50187	.50048	.50643
#2	.51211	.50956	.50801	.50475	.50352	.49910	.50601
#3	.50615	.50222	.50764	.50968	.50877	.50298	.51321
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	.50000	.50000	.50000	.50000	.50000	.50000
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50534	.50707	.50354	.49795	.50305	
SDev	.00224	.00473	.00334	.00372	.00275	
%RSD	.44351	.93322	.66261	.74632	.54619	
#1	.50397	.50512	.50025	.50028	.50058	
#2	.50412	.50362	.50346	.49366	.50256	
#3	.50793	.51246	.50692	.49991	.50601	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: ICB Operator: CT
Run Time: 04/09/09 10:03:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.0164	.00225	.00033	.00016	.0033	.00039
SDev	.00072	.0024	.00083	.00021	.00012	.0027	.00015
%RSD	198.24	14.57	36.773	65.468	76.094	81.24	38.205
#1	.00044	.0188	.00320	.00056	.00029	.0062	.00054
#2	-.00058	.0164	.00173	.00028	.00012	.0028	.00039
#3	-.00095	.0140	.00181	.00014	.00006	.0009	.00024

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00128	.00123	.00030	.00157	.0599	.0121	.00030
SDev	.00040	.00040	.00035	.00091	.0225	.0048	.00017
%RSD	31.404	32.813	116.33	57.813	37.64	39.37	56.558
#1	.00169	.00163	.00057	.00258	.0781	.0165	.00049
#2	.00126	.00123	.00043	.00131	.0668	.0128	.00026
#3	.00089	.00082	-.00010	.00082	.0347	.0070	.00016

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00177	.0048	.00052	.00344	.00019	.00051	-.00004
SDev	.00082	.0021	.00066	.00031	.00013	.00020	.00049
%RSD	46.433	44.04	126.06	9.1132	68.210	39.996	1092.0
#1	.00239	.0071	.00119	.00356	.00033	.00071	.00049
#2	.00207	.0044	.00052	.00309	.00016	.00051	-.00015
#3	.00084	.0029	-.00014	.00368	.00008	.00031	-.00047

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00064	-.00033	.00476	.00078	.00101	.00157	.00203
SDev	.00019	.00041	.00191	.00051	.00048	.00100	.00059
%RSD	29.177	124.13	40.103	65.259	47.932	63.750	29.156
#1	-.00043	-.00060	.00694	.00134	.00108	.00092	.00135
#2	-.00072	-.00053	.00394	.00036	.00145	.00107	.00239
#3	-.00078	.00014	.00340	.00062	.00049	.00272	.00236

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00015	.00481	-.00089	-.00225	.00347
SDev	.00105	.00177	.00124	.00376	.00154
%RSD	693.92	36.710	138.51	167.02	44.403
#1	.00134	.00277	.00024	.00063	.00181
#2	-.00065	.00576	-.00070	-.00650	.00485
#3	-.00024	.00590	-.00221	-.00088	.00376

Method: KICAP Sample Name: CRI(PQL) Operator: CT
Run Time: 04/09/09 10:07:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01020	.1129	.04085	.09977	.01020	1.005	.00890
SDev	.00027	.0007	.00020	.00041	.00004	.003	.00007
%RSD	2.6654	.6251	.50123	.41023	.41753	.2936	.83473
#1	.01024	.1137	.04086	.09946	.01018	1.004	.00887
#2	.00991	.1125	.04064	.10023	.01025	1.009	.00885
#3	.01045	.1125	.04105	.09960	.01017	1.003	.00898

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05104	.01216	.01084	.05847	4.199	1.060	.05293
SDev	.00022	.00044	.00042	.00154	.012	.001	.00018
%RSD	.42613	3.5866	3.9132	2.6352	.2834	.1252	.34906
#1	.05123	.01266	.01036	.06015	4.199	1.060	.05284
#2	.05080	.01185	.01098	.05813	4.187	1.062	.05314
#3	.05109	.01197	.01117	.05712	4.211	1.059	.05280

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05024	.8500	.05457	.05244	.05043	.05347	.05076
SDev	.00101	.0003	.00075	.00132	.00022	.00003	.00011
%RSD	2.0117	.0349	1.3744	2.5111	.43738	.05510	.21462
#1	.04917	.8500	.05537	.05096	.05030	.05349	.05078
#2	.05036	.8497	.05388	.05289	.05068	.05344	.05064
#3	.05118	.8503	.05446	.05348	.05030	.05349	.05086

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02024	.00984	.02218	.01128	.01065	.06199	.01127
SDev	.00010	.00038	.00080	.00032	.00036	.00084	.00511
%RSD	.49635	3.8687	3.6066	2.8625	3.3877	1.3529	45.347
#1	.02015	.00983	.02161	.01106	.01030	.06119	.00590
#2	.02035	.00946	.02183	.01165	.01102	.06192	.01608
#3	.02023	.01023	.02310	.01112	.01064	.06286	.01183

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.01128	.01042	.01077	.06192	.06277
SDev	.00215	.00564	.00231	.00529	.00343
%RSD	19.045	54.143	21.463	8.5457	5.4594
#1	.01364	.00408	.01341	.06737	.05886
#2	.00944	.01488	.00909	.05680	.06522
#3	.01076	.01230	.00981	.06160	.06425

Method: KICAP Sample Name: ICSA-INITIAL Operator: CT
Run Time: 04/09/09 10:11:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	492.4	.00307	-.00033	.00019	489.8	-.00040
SDev	.00019	3.5	.00049	.00004	.00001	3.1	.00009
%RSD	63.309	.7193	15.889	13.021	4.3039	.6382	21.298
#1	-.00024	489.5	.00356	-.00028	.00020	487.4	-.00032
#2	-.00052	496.4	.00258	-.00036	.00019	493.3	-.00049
#3	-.00015	491.4	.00307	-.00035	.00019	488.6	-.00040
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00285	.00408	-.00103	181.02	-.0049	486.6	.00003
SDev	.00030	.00036	.00071	1.21	.0271	2.7	.00001
%RSD	10.648	8.9287	68.721	.66774	557.3	.5641	36.531
#1	.00319	.00442	-.00152	180.11	.0219	485.2	.00004
#2	.00262	.00370	-.00135	182.39	-.0322	489.8	.00002
#3	.00273	.00412	-.00022	180.55	-.0042	484.9	.00004
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.0	
Range				20.000		20.00	

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	.0224	.00000	.00667	.00010	.00019	-.00007
SDev	.00124	.0013	.00024	.00034	.00003	.00011	.00017
%RSD	816.97	5.551	9078.5	5.1123	34.590	59.643	224.20
#1	-.00122	.0239	-.00025	.00696	.00013	.00031	-.00020
#2	.00047	.0219	.00003	.00676	.00007	.00013	-.00014
#3	.00120	.0216	.00023	.00630	.00009	.00011	.00011
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	.00225	.01001	.00025	.00354	-.00073	.00523
SDev	.00005	.00109	.00094	.00079	.00116	.00020	.00601
%RSD	6.8825	48.384	9.3965	316.25	32.902	27.511	114.79
#1	-.00069	.00346	.00922	-.00005	.00353	-.00061	.00501
#2	-.00065	.00196	.01105	.00115	.00471	-.00061	-.00066
#3	-.00074	.00134	.00976	-.00035	.00238	-.00096	.01135
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00224	.01469	-.00203	-.01786	.00758
SDev	.00413	.00355	.00350	.00628	.00289
%RSD	184.55	24.161	172.45	35.147	38.183
#1	-.00258	.01554	-.00246	-.01777	.00721
#2	.00205	.01079	.00167	-.01163	.00489
#3	-.00619	.01774	-.00529	-.02418	.01064
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Method: KICAP Sample Name: ICSAB-INITIAL Operator: CT
Run Time: 04/09/09 10:15:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20003	486.0	.48620	.46130	.47684	485.1	.89146
SDev	.00282	6.1	.00826	.00637	.00659	6.1	.01239
%RSD	1.4093	1.252	1.6980	1.3820	1.3815	1.249	1.3892
#1	.19678	479.0	.47667	.45395	.46924	478.1	.87718
#2	.20180	488.7	.49068	.46463	.48045	488.3	.89803
#3	.20152	490.2	.49125	.46532	.48083	488.9	.89919
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.0	.50000	.50000	.50000	500.0	1.0000
Range	20.000	20.00	20.000	20.000	20.000	20.00	20.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45487	.46395	.51082	179.59	7.982	481.6	.46923
SDev	.00636	.00587	.00754	2.47	.081	6.3	.00637
%RSD	1.3982	1.2655	1.4754	1.3742	1.009	1.305	1.3567
#1	.44758	.45717	.50213	176.74	7.889	474.3	.46190
#2	.45770	.46722	.51478	180.89	8.020	485.0	.47248
#3	.45932	.46746	.51555	181.13	8.035	485.4	.47331
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00		500.0	.50000
Range	20.000	20.000	20.000	20.000		20.00	20.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45613	1.173	.92548	.47485	.45597	.48123	.47093
SDev	.00769	.012	.01147	.00905	.00624	.00664	.00637
%RSD	1.6855	1.039	1.2390	1.9065	1.3683	1.3789	1.3534
#1	.44733	1.159	.91225	.46440	.44878	.47357	.46357
#2	.45952	1.178	.93160	.48035	.45911	.48494	.47432
#3	.46153	1.181	.93258	.47980	.46001	.48517	.47489
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000		1.0000	.50000	.50000	.50000	.50000
Range	20.000		20.000	20.000	20.000	20.000	20.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97581	.10114	.10607	.04668	.05177	.60609	.05314
SDev	.01342	.00207	.00297	.00136	.00234	.00769	.00226
%RSD	1.3753	2.0465	2.7992	2.9103	4.5210	1.2689	4.2543
#1	.96032	.09887	.10267	.04548	.04910	.59759	.05436
#2	.98298	.10163	.10818	.04641	.05348	.61257	.05453
#3	.98411	.10293	.10736	.04816	.05271	.60809	.05053
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	1.0000	.10000	.10000	.05000	.05000	.60000
Range	20.000	20.000	20.000	20.000	20.000	20.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.04346	.06209	.04661	.59456	.61284	
SDev	.00311	.00219	.00272	.01317	.00572	
%RSD	7.1593	3.5287	5.8325	2.2156	.93408	
#1	.04105	.06035	.04348	.57937	.60744	
#2	.04236	.06455	.04796	.60153	.61884	
#3	.04698	.06136	.04839	.60279	.61224	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: MB-9224 Operator: CT
Run Time: 04/09/09 10:43:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.0183	-.00028	-.00000	.00000	.0496	-.00012
SDev	.00019	.0006	.00043	.00014	.00001	.0029	.00007
%RSD	459.76	3.293	154.55	749010.	342.59	5.765	56.596
#1	-.00026	.0177	-.00075	-.00014	-.00001	.0527	-.00019
#2	.00004	.0182	-.00017	-.00000	.00001	.0490	-.00006
#3	.00009	.0189	.00009	.00014	.00001	.0471	-.00010

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	.00063	.00053	.00801	-.0409	.0177	.00016
SDev	.00051	.00008	.00038	.00278	.0265	.0006	.00002
%RSD	128.98	12.480	72.088	34.639	64.62	3.411	14.194
#1	-.00097	.00072	.00010	.01109	-.0711	.0180	.00016
#2	-.00026	.00060	.00081	.00725	-.0302	.0180	.00014
#3	.00003	.00057	.00067	.00569	-.0216	.0170	.00019

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00037	.0099	.00121	.00062	.00001	.00035	-.00018
SDev	.00037	.0011	.00034	.00173	.00002	.00023	.00021
%RSD	101.80	10.95	28.349	281.29	312.13	65.900	115.32
#1	-.00053	.0087	.00160	-.00124	-.00002	.00010	-.00030
#2	.00006	.0103	.00110	.00089	.00001	.00041	.00006
#3	-.00062	.0108	.00094	.00220	.00003	.00056	-.00030

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00191	-.00095	-.00231	.00093	-.00103	.00030	.00179
SDev	.00004	.00023	.00159	.00014	.00062	.00042	.00159
%RSD	1.8779	24.542	68.769	15.376	60.443	141.26	88.878
#1	.00192	-.00070	-.00410	.00104	-.00079	.00073	-.00005
#2	.00195	-.00101	-.00175	.00077	-.00173	-.00011	.00267
#3	.00188	-.00116	-.00108	.00097	-.00056	.00028	.00275

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00050	.00074	-.00191	-.00305	.00172
SDev	.00095	.00126	.00144	.00238	.00042
%RSD	191.94	169.79	75.738	78.014	24.654
#1	.00159	-.00057	-.00089	-.00030	.00125
#2	-.00018	.00194	-.00356	-.00448	.00206
#3	.00008	.00085	-.00127	-.00437	.00185

Method: KICAP Sample Name: LCS-9224 Operator: CT
Run Time: 04/09/09 10:47:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05164	1.037	.49728	.19997	.20871	10.31	.20400
SDev	.00051	.003	.00126	.00042	.00047	.03	.00072
%RSD	.97806	.3217	.25409	.21246	.22345	.3219	.35488
#1	.05113	1.040	.49874	.20046	.20921	10.34	.20475
#2	.05165	1.039	.49660	.19976	.20862	10.31	.20396
#3	.05214	1.034	.49652	.19969	.20829	10.28	.20330

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20540	.21054	.20930	1.0612	10.72	10.30	.21070
SDev	.00068	.00053	.00058	.0028	.03	.02	.00047
%RSD	.32964	.25131	.27748	.26339	.3033	.2079	.22265
#1	.20609	.21112	.20997	1.0637	10.76	10.32	.21119
#2	.20539	.21043	.20901	1.0618	10.71	10.30	.21067
#3	.20473	.21008	.20892	1.0582	10.70	10.28	.21025

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20334	9.749	.21896	.21083	.20393	.22100	.20925
SDev	.00119	.016	.00047	.00053	.00049	.00035	.00015
%RSD	.58545	.1688	.21494	.24967	.24025	.15637	.06952
#1	.20211	9.768	.21948	.21143	.20446	.22139	.20909
#2	.20343	9.738	.21882	.21046	.20384	.22088	.20927
#3	.20449	9.741	.21857	.21061	.20349	.22073	.20938

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22206	.20944	.20828	.20971	.20092	.21360	.20856
SDev	.00128	.00048	.00244	.00028	.00216	.00119	.00302
%RSD	.57774	.23091	1.1704	.13508	1.0737	.55588	1.4491
#1	.22349	.20940	.20548	.20971	.20208	.21258	.21102
#2	.22171	.20994	.20950	.20943	.19843	.21331	.20518
#3	.22099	.20897	.20987	.20999	.20226	.21491	.20948

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.21029	.20042	.20117	.21461	.21385
SDev	.00124	.00418	.00115	.00657	.00215
%RSD	.58988	2.0863	.57024	3.0607	1.0040
#1	.20906	.20270	.20177	.20730	.21447
#2	.21154	.19560	.19985	.22003	.21146
#3	.21025	.20297	.20190	.21649	.21562

Method: KICAP Sample Name: 0904022-041A Operator: CT
Run Time: 04/09/09 11:29:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00073	79.45	.09318	1.0530	.00660	188.2	.00765
SDev	.00063	.29	.00018	.0036	.00005	.3	.00018
%RSD	85.108	.3594	.19376	.33951	.70744	.1760	2.3265
#1	.00141	79.12	.09303	1.0492	.00665	187.8	.00745
#2	.00017	79.64	.09312	1.0562	.00660	188.5	.00770
#3	.00062	79.58	.09338	1.0537	.00655	188.3	.00779

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06509	.22497	.50565	642.78	12.36	45.07	5.8636
SDev	.00039	.00032	.00227	1.52	.05	.03	.0132
%RSD	.60061	.14087	.44979	.23605	.4153	.0600	.22501
#1	.06553	.22534	.50332	641.19	12.42	45.04	5.8491
#2	.06494	.22479	.50786	644.22	12.32	45.08	5.8749
#3	.06480	.22479	.50577	642.94	12.35	45.09	5.8668

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01470	1.938	.21284	.13796	.76643	2.0657	.17890
SDev	.00007	.002	.00063	.00084	.00214	.0055	.00050
%RSD	.47499	.1220	.29521	.60511	.27978	.26469	.27803
#1	.01462	1.939	.21356	.13732	.76418	2.0598	.17902
#2	.01471	1.935	.21256	.13764	.76845	2.0706	.17932
#3	.01476	1.940	.21240	.13890	.76667	2.0668	.17835

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5214	.14376	-.04319	18.622	.01365	.19463	17.808
SDev	.0040	.00064	.01029	.029	.00135	.00279	.016
%RSD	.26381	.44653	23.833	.15556	9.8541	1.4356	.08993
#1	1.5170	.14440	-.03138	18.592	.01323	.19160	17.791
#2	1.5247	.14312	-.04797	18.649	.01516	.19519	17.823
#3	1.5226	.14377	-.05022	18.624	.01257	.19711	17.810

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	17.828	.01167	.01464	.18332	.20078
SDev	.237	.00438	.00020	.00551	.00272
%RSD	1.3270	37.510	1.3732	3.0035	1.3552
#1	17.582	.01055	.01457	.18085	.19847
#2	17.848	.01650	.01449	.17949	.20378
#3	18.054	.00796	.01487	.18963	.20009

Method: KICAP Sample Name: 0904022-042A Operator: CT
Run Time: 04/09/09 11:32:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	109.0	.04723	.76258	.00558	243.0	.00242
SDev	.00044	.3	.00041	.00101	.00006	.8	.00005
%RSD	110.87	.2831	.86969	.13216	1.1709	.3401	2.1958
#1	-.00076	108.8	.04689	.76200	.00556	242.4	.00238
#2	-.00053	108.9	.04712	.76200	.00554	242.7	.00241
#3	.00009	109.4	.04769	.76375	.00566	243.9	.00248

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08456	.17529	.19469	206.38	22.00	67.49	5.0548
SDev	.00047	.00102	.00072	.85	.08	.31	.0163
%RSD	.55808	.58425	.36853	.41032	.3507	.4538	.32190
#1	.08424	.17454	.19431	205.61	21.95	67.24	5.0418
#2	.08435	.17488	.19424	206.24	21.96	67.40	5.0495
#3	.08510	.17646	.19551	207.29	22.09	67.83	5.0730

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00288	1.025	.20990	.01359	.48650	1.6550	.22253
SDev	.00078	.003	.00077	.00153	.00083	.0042	.00080
%RSD	27.041	.2813	.36486	11.266	.17024	.25534	.36111
#1	.00352	1.023	.20938	.01258	.48590	1.6518	.22176
#2	.00201	1.024	.20955	.01283	.48615	1.6534	.22246
#3	.00311	1.029	.21078	.01535	.48745	1.6598	.22337

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.66116	.05725	-.01389	3.7004	.00347	.02798	3.6997
SDev	.00216	.00073	.00068	.0375	.00214	.00020	.0277
%RSD	.32727	1.2752	4.8636	1.0143	61.523	.71059	.74853
#1	.65953	.05715	-.01436	3.6601	.00587	.02817	3.6774
#2	.66033	.05658	-.01420	3.7067	.00274	.02799	3.6910
#3	.66361	.05803	-.01312	3.7344	.00180	.02777	3.7307

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.7007	.00728	.00157	.02045	.03198
SDev	.0440	.00124	.00265	.00053	.00097
%RSD	1.1898	17.010	169.20	2.6000	3.0178
#1	3.6515	.00868	.00447	.01987	.03306
#2	3.7146	.00633	.00094	.02056	.03170
#3	3.7362	.00684	-.00072	.02092	.03119

Method: KICAP Sample Name: 0907022-043A Operator: CT
Run Time: 04/09/09 11:36:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00022	53.85	.09625	.76231	.00481	201.5	.00424
SDev	.00064	.44	.00137	.00611	.00005	1.7	.00005
%RSD	283.22	.8182	1.4287	.80178	1.0514	.8365	1.1673
#1	.00017	53.77	.09546	.76219	.00478	201.2	.00421
#2	.00088	53.46	.09545	.75626	.00478	200.0	.00421
#3	-.00038	54.33	.09784	.76848	.00487	203.3	.00430

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05097	.14507	.39014	333.71	10.67	102.1	2.4287
SDev	.00046	.00124	.00341	2.99	.06	.9	.0195
%RSD	.90920	.85300	.87396	.89640	.6065	.8415	.80352
#1	.05060	.14457	.38975	332.68	10.66	101.8	2.4247
#2	.05081	.14415	.38694	331.37	10.62	101.5	2.4115
#3	.05149	.14647	.39373	337.08	10.75	103.1	2.4499

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01578	2.068	.16844	.01928	.45646	2.6376	.18173
SDev	.00075	.013	.00146	.00136	.00372	.0205	.00131
%RSD	4.7765	.6248	.86524	7.0743	.81440	.77891	.71982
#1	.01577	2.068	.16772	.01770	.45597	2.6335	.18126
#2	.01504	2.055	.16748	.02012	.45301	2.6195	.18072
#3	.01654	2.081	.17011	.02001	.46039	2.6599	.18321

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.90582	.09164	-.02484	5.3198	.00828	.06409	5.3192
SDev	.00749	.00112	.00181	.0518	.00047	.00177	.0091
%RSD	.82735	1.2267	7.2765	.97463	5.7119	2.7566	.17133
#1	.90430	.09109	-.02626	5.2608	.00881	.06388	5.3198
#2	.89920	.09090	-.02280	5.3409	.00791	.06244	5.3098
#3	.91395	.09294	-.02545	5.3578	.00811	.06595	5.3280

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.3201	.01386	.00549	.05675	.06801
SDev	.0774	.00230	.00044	.00463	.00321
%RSD	1.4547	16.567	8.0825	8.1547	4.7180
#1	5.2313	.01639	.00502	.05238	.07037
#2	5.3564	.01192	.00590	.06160	.06436
#3	5.3727	.01326	.00554	.05626	.06929

Method: KICAP Sample Name: CCVH1 Operator: CT
Run Time: 04/09/09 11:39:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00021	.0501	.00263	.00058	.00013	49.94	.00027
SDev	.00047	.0149	.00037	.00018	.00001	.03	.00006
%RSD	219.33	29.83	13.989	30.200	9.1486	.0518	24.093
#1	-.00032	.0662	.00252	.00077	.00012	49.93	.00020
#2	.00042	.0475	.00304	.00056	.00014	49.93	.00033
#3	.00054	.0367	.00233	.00042	.00013	49.97	.00027
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00127	5.1119	.00053	10.391	.0611	.0610	.00133
SDev	.00032	.0155	.00111	.080	.0218	.0315	.00078
%RSD	25.055	.30259	210.03	.76738	35.66	51.57	58.943
#1	.00092	5.0941	.00072	10.482	.0445	.0961	.00220
#2	.00154	5.1210	.00153	10.358	.0857	.0518	.00107
#3	.00133	5.1207	-.00067	10.333	.0529	.0352	.00070
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	49.78	.00055	.00412	.00092	.00211	.00018
SDev	.00132	.16	.00046	.00074	.00012	.00086	.00018
%RSD	429.86	.3187	82.527	17.973	13.152	40.891	104.44
#1	.00005	49.61	.00003	.00330	.00106	.00305	.00007
#2	.00174	49.92	.00086	.00473	.00089	.00192	.00007
#3	-.00087	49.80	.00077	.00435	.00082	.00136	.00039
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00293	-.00130	.00421	10.151	-.00002	-.00375	10.319
SDev	.00016	.00184	.00150	.020	.00026	.00107	.092
%RSD	5.3511	141.17	35.468	.19593	1395.0	28.410	.88890
#1	.00311	-.00247	.00250	10.145	.00008	-.00423	10.394
#2	.00283	.00082	.00526	10.135	.00018	-.00450	10.347
#3	.00285	-.00226	.00488	10.173	-.00031	-.00253	10.217
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.266	.00375	-.00190	-.01840	.00356
SDev	.089	.00820	.00371	.01224	.00452
%RSD	.86236	218.83	195.46	66.499	127.12
#1	10.170	.00558	-.00267	-.02237	.00483
#2	10.281	.01088	-.00516	-.02816	.00731
#3	10.346	-.00522	.00214	-.00467	-.00147
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV1 Operator: CT
Run Time: 04/09/09 11:43:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25095	4.986	.50485	.50036	.50316	10.10	.50840
SDev	.00058	.013	.00162	.00163	.00097	.03	.00111
%RSD	.22971	.2662	.32130	.32509	.19222	.3225	.21788
#1	.25145	4.993	.50477	.50108	.50385	10.13	.50950
#2	.25032	4.971	.50327	.49850	.50205	10.07	.50728
#3	.25108	4.995	.50651	.50150	.50357	10.08	.50841
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50754	.51070	.49810	1.0269	10.86	10.09	.50055
SDev	.00095	.00192	.00176	.0026	.05	.02	.00097
%RSD	.18653	.37492	.35395	.25207	.4696	.1577	.19462
#1	.50839	.51289	.49933	1.0240	10.92	10.10	.50115
#2	.50652	.50932	.49608	1.0277	10.82	10.07	.49942
#3	.50772	.50990	.49890	1.0289	10.84	10.09	.50106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50449	9.755	.52265	.50982	.50449	.50558	.50899
SDev	.00146	.047	.00203	.00151	.00147	.00103	.00101
%RSD	.28985	.4789	.38777	.29583	.29116	.20352	.19744
#1	.50301	9.802	.52472	.51095	.50544	.50618	.50983
#2	.50452	9.708	.52066	.50811	.50280	.50440	.50787
#3	.50594	9.754	.52257	.51041	.50523	.50618	.50926
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50477	.50678	.50972	.50787	.50460	.49944	.50812
SDev	.00107	.00032	.00312	.00334	.00441	.00268	.00272
%RSD	.21224	.06256	.61135	.65681	.87466	.53673	.53576
#1	.50557	.50660	.50748	.50761	.50031	.49704	.51008
#2	.50355	.50660	.50841	.51133	.50913	.50233	.50927
#3	.50517	.50715	.51328	.50467	.50436	.49896	.50501
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50775	.50770	.50305	.49362	.50160	
SDev	.00410	.00121	.00602	.00798	.00115	
%RSD	.80759	.23845	1.1964	1.6159	.22843	
#1	.50638	.50664	.49716	.48511	.50224	
#2	.51235	.50902	.50919	.50093	.50228	
#3	.50450	.50746	.50282	.49482	.50028	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB1 Operator: CT
Run Time: 04/09/09 11:46:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	.0174	.00212	.00051	.00023	.0077	.00040
SDev	.00048	.0033	.00064	.00016	.00016	.0027	.00016
%RSD	130.09	19.09	30.133	31.492	69.016	34.95	40.457
#1	.00046	.0212	.00283	.00070	.00042	.0108	.00059
#2	-.00015	.0152	.00161	.00042	.00018	.0067	.00029
#3	.00079	.0158	.00191	.00042	.00011	.0057	.00034

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00107	.00126	.00037	.00404	.0662	.0125	.00033
SDev	.00041	.00029	.00024	.00050	.0120	.0032	.00013
%RSD	38.139	22.730	66.875	12.289	18.14	25.72	40.513
#1	.00149	.00153	.00010	.00349	.0648	.0159	.00048
#2	.00067	.00096	.00043	.00443	.0549	.0097	.00026
#3	.00106	.00130	.00057	.00422	.0788	.0118	.00024

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00174	.0067	.00044	.00074	.00029	.00071	.00039
SDev	.00042	.0023	.00041	.00064	.00015	.00018	.00029
%RSD	24.453	34.59	93.552	86.666	51.778	25.754	73.062
#1	.00139	.0093	.00044	.00146	.00047	.00092	.00056
#2	.00161	.0056	.00003	.00051	.00023	.00056	.00006
#3	.00221	.0051	.00085	.00024	.00019	.00066	.00056

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00018	.00418	.00110	.00001	.00080	.00048
SDev	.00013	.00044	.00269	.00052	.00075	.00050	.00412
%RSD	96.075	247.16	64.341	46.917	7995.2	62.469	855.53
#1	.00001	.00015	.00725	.00159	.00029	.00123	-.00374
#2	-.00026	-.00000	.00229	.00114	-.00084	.00025	.00450
#3	-.00016	-.00069	.00299	.00057	.00059	.00093	.00069

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00141	-.00050	.00027	-.00024	.00082
SDev	.00252	.00575	.00356	.00745	.00297
%RSD	179.32	1143.3	1342.7	3169.5	362.27
#1	.00426	-.00703	.00394	.00766	-.00198
#2	-.00054	.00381	-.00317	-.00714	.00394
#3	.00050	.00171	.00002	-.00122	.00051

Method: KICAP Sample Name: 0904022-044A Operator: CT
Run Time: 04/09/09 11:50:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00198	50.29	.08090	.78739	.00384	75.47	.00419
SDev	.00049	.23	.00054	.00189	.00002	.22	.00005
%RSD	24.574	.4628	.67228	.23970	.55256	.2933	1.2788
#1	.00155	50.04	.08027	.78525	.00382	75.23	.00415
#2	.00188	50.35	.08118	.78811	.00384	75.52	.00417
#3	.00250	50.49	.08125	.78881	.00386	75.67	.00425

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03849	.09638	.49154	163.28	4.405	6.904	3.3752
SDev	.00032	.00046	.00150	.53	.023	.025	.0089
%RSD	.82470	.47550	.30572	.32461	.5220	.3610	.26336
#1	.03816	.09594	.48990	162.70	4.388	6.880	3.3655
#2	.03851	.09635	.49188	163.38	4.395	6.904	3.3770
#3	.03879	.09686	.49284	163.75	4.431	6.930	3.3830

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01784	2.402	.10604	.07481	.73983	3.6610	.13829
SDev	.00022	.010	.00054	.00077	.00169	.0110	.00081
%RSD	1.2633	.3979	.50604	1.0277	.22892	.30007	.58398
#1	.01810	2.392	.10552	.07509	.73797	3.6486	.13747
#2	.01769	2.402	.10659	.07394	.74025	3.6650	.13831
#3	.01773	2.411	.10601	.07539	.74128	3.6695	.13909

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98695	.16059	-.01203	23.173	.00766	.19064	23.500
SDev	.00235	.00077	.00011	.095	.00104	.00395	.199
%RSD	.23843	.47705	.93635	.40939	13.598	2.0702	.84815
#1	.98431	.16141	-.01212	23.067	.00883	.18684	23.270
#2	.98772	.15990	-.01191	23.202	.00684	.19037	23.614
#3	.98882	.16047	-.01207	23.250	.00731	.19472	23.617

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	23.585	.00962	.00668	.18587	.19378
SDev	.250	.00312	.00036	.00619	.00220
%RSD	1.0601	32.427	5.4426	3.3294	1.1333
#1	23.323	.01284	.00683	.17875	.19237
#2	23.611	.00661	.00695	.18881	.19265
#3	23.821	.00941	.00627	.19003	.19631

Method: KICAP Sample Name: 0904022-044AMS Operator: CT
Run Time: 04/09/09 11:53:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10393	53.45	1.0678	1.1765	.41551	107.4	.39743
SDev	.00018	.10	.0014	.0012	.00077	.2	.00085
%RSD	.17134	.1873	.13550	.10352	.18425	.1649	.21392
#1	.10378	53.38	1.0671	1.1774	.41592	107.5	.39795
#2	.10388	53.41	1.0695	1.1771	.41598	107.5	.39789
#3	.10412	53.56	1.0669	1.1751	.41463	107.2	.39645

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44205	.49315	.90582	215.28	34.92	26.81	3.3500
SDev	.00136	.00100	.00123	.38	.12	.07	.0064
%RSD	.30772	.20341	.13623	.17883	.3309	.2510	.19046
#1	.44270	.49374	.90721	215.42	34.92	26.85	3.3539
#2	.44296	.49372	.90540	215.58	35.04	26.86	3.3534
#3	.44049	.49199	.90485	214.84	34.81	26.73	3.3426

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44506	24.68	.53196	.45585	1.1953	4.4440	.54199
SDev	.00062	.04	.00062	.00164	.0011	.0052	.00048
%RSD	.13859	.1720	.11661	.35932	.09079	.11773	.08939
#1	.44568	24.70	.53135	.45594	1.1959	4.4470	.54235
#2	.44504	24.71	.53259	.45743	1.1960	4.4471	.54217
#3	.44445	24.63	.53193	.45416	1.1941	4.4380	.54144

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4485	.59948	.35107	25.121	.40085	.51392	25.150
SDev	.0028	.00217	.00398	.017	.00387	.00392	.095
%RSD	.19022	.36161	1.1345	.06606	.96636	.76306	.37655
#1	1.4505	.60168	.34647	25.103	.39655	.50963	25.259
#2	1.4496	.59941	.35327	25.123	.40407	.51480	25.099
#3	1.4453	.59734	.35346	25.136	.40193	.51733	25.092

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	25.195	.40379	.39938	.50787	.51719
SDev	.361	.00612	.00872	.01675	.00393
%RSD	1.4313	1.5166	2.1843	3.2987	.75971
#1	24.779	.41082	.38942	.48853	.52167
#2	25.411	.40085	.40567	.51726	.51432
#3	25.396	.39968	.40305	.51783	.51558

Method: KICAP Sample Name: 0904022-044AMSD Operator: CT
Run Time: 04/09/09 11:57:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10131	44.33	1.0441	1.0662	.41023	86.70	.39397
SDev	.00066	.21	.0036	.0046	.00157	.37	.00135
%RSD	.65258	.4725	.34829	.42717	.38364	.4238	.34310
#1	.10205	44.52	1.0478	1.0709	.41185	87.10	.39542
#2	.10078	44.35	1.0440	1.0658	.41014	86.61	.39375
#3	.10109	44.11	1.0405	1.0619	.40870	86.38	.39274

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42910	.47803	.87046	160.64	32.73	26.01	2.8902
SDev	.00117	.00178	.00415	.56	.21	.09	.0105
%RSD	.27225	.37134	.47669	.34987	.6315	.3632	.36308
#1	.43014	.47970	.87467	161.20	32.97	26.11	2.9011
#2	.42932	.47822	.87035	160.64	32.64	25.99	2.8894
#3	.42784	.47617	.86637	160.08	32.59	25.92	2.8801

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40621	23.98	.51061	.46594	1.0266	2.8681	.50753
SDev	.00071	.17	.00169	.00365	.0042	.0122	.00180
%RSD	.17457	.6950	.33172	.78265	.40605	.42575	.35471
#1	.40616	24.17	.51232	.46827	1.0309	2.8810	.50945
#2	.40694	23.86	.51059	.46781	1.0262	2.8667	.50726
#3	.40553	23.91	.50893	.46173	1.0226	2.8567	.50588

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3375	.59127	.35340	21.499	.39212	.46098	21.292
SDev	.0057	.00155	.00096	.101	.00391	.00169	.110
%RSD	.42577	.26307	.27111	.46814	.99706	.36556	.51671
#1	1.3432	.59284	.35239	21.607	.38851	.45926	21.407
#2	1.3374	.59125	.35351	21.484	.39627	.46263	21.189
#3	1.3319	.58973	.35430	21.407	.39157	.46103	21.279

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	21.329	.39427	.39104	.45459	.46416
SDev	.292	.00237	.00632	.00752	.00168
%RSD	1.3673	.60073	1.6158	1.6545	.36270
#1	21.006	.39650	.38452	.44593	.46592
#2	21.572	.39453	.39714	.45838	.46400
#3	21.410	.39178	.39146	.45947	.46256

Method: KICAP Sample Name: 0904022-044ASD Operator: CT
Run Time: 04/09/09 12:00:50
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00364	48.73	.09638	.77689	.00488	75.12	.00559
SDev	.00298	.38	.00803	.00586	.00073	.61	.00063
%RSD	81.943	.7829	8.3287	.75396	14.995	.8059	11.199
#1	.00092	49.15	.10499	.78364	.00570	75.81	.00624
#2	.00317	48.63	.09506	.77386	.00464	74.89	.00552
#3	.00682	48.41	.08910	.77317	.00430	74.67	.00500

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04218	.10032	.47481	163.50	3.410	7.143	3.3881
SDev	.00079	.00115	.00447	1.00	.043	.078	.0216
%RSD	1.8719	1.1467	.94118	.61370	1.275	1.099	.63885
#1	.04161	.10135	.47994	164.65	3.387	7.232	3.4130
#2	.04308	.10053	.47177	163.06	3.461	7.112	3.3775
#3	.04184	.09908	.47272	162.80	3.383	7.085	3.3739

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02459	2.026	.10708	.08259	.73626	3.6129	.13710
SDev	.00312	.044	.00047	.00667	.00620	.0218	.00078
%RSD	12.681	2.166	.44223	8.0728	.84175	.60257	.57198
#1	.02794	2.074	.10762	.08525	.74334	3.6378	.13655
#2	.02405	2.013	.10680	.08753	.73364	3.6037	.13675
#3	.02177	1.989	.10680	.07501	.73181	3.5973	.13800

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97572	.15551	.01108	23.170	.01681	.18815	23.146
SDev	.00777	.00253	.00971	.106	.00286	.00497	.061
%RSD	.79634	1.6275	87.634	.45591	17.042	2.6404	.26565
#1	.98461	.15788	.02179	23.281	.01606	.19268	23.198
#2	.97235	.15579	.00863	23.158	.01998	.18894	23.078
#3	.97021	.15285	.00283	23.071	.01440	.18284	23.162

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	23.182	.02530	.01258	.17981	.19107
SDev	.149	.00604	.00447	.00402	.00606
%RSD	.64393	23.893	35.562	2.2343	3.1731
#1	23.323	.01833	.01492	.18206	.19798
#2	23.197	.02917	.01539	.18220	.18856
#3	23.025	.02838	.00742	.17517	.18667

Method: KICAP Sample Name: 0904022-044APDS Operator: CT
Run Time: 04/09/09 12:04:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09868	50.17	1.0702	1.1153	.39612	91.28	.38045
SDev	.00028	.15	.0034	.0012	.00040	.12	.00057
%RSD	.28111	.2973	.32068	.10429	.10196	.1299	.14878
#1	.09868	50.02	1.0665	1.1149	.39570	91.17	.37980
#2	.09896	50.32	1.0710	1.1166	.39650	91.41	.38086
#3	.09841	50.18	1.0732	1.1144	.39618	91.27	.38069

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41769	.47783	.86726	157.17	32.85	25.32	3.5773
SDev	.00042	.00058	.00145	.20	.04	.04	.0039
%RSD	.10048	.12075	.16714	.12921	.1363	.1481	.11026
#1	.41721	.47724	.86617	156.95	32.81	25.28	3.5735
#2	.41798	.47839	.86890	157.36	32.90	25.35	3.5814
#3	.41788	.47788	.86670	157.20	32.84	25.33	3.5770

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39477	22.50	.49882	.45818	1.0727	3.8805	.52347
SDev	.00222	.05	.00175	.00277	.0011	.0053	.00090
%RSD	.56245	.2327	.34983	.60337	.10232	.13743	.17295
#1	.39264	22.45	.49681	.45532	1.0716	3.8765	.52259
#2	.39461	22.55	.49995	.45839	1.0738	3.8865	.52440
#3	.39707	22.49	.49970	.46083	1.0725	3.8784	.52341

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3310	.54992	.38511	22.673	.39997	.58501	22.693
SDev	.0016	.00106	.00121	.061	.00403	.00446	.018
%RSD	.12316	.19340	.31470	.26981	1.0082	.76259	.08137
#1	1.3297	.54872	.38446	22.606	.39651	.58156	22.675
#2	1.3329	.55075	.38436	22.726	.40440	.59005	22.712
#3	1.3305	.55030	.38651	22.687	.39901	.58342	22.694

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	22.690	.40730	.39631	.57415	.59093
SDev	.222	.00193	.00609	.01119	.00271
%RSD	.97640	.47320	1.5372	1.9493	.45919
#1	22.643	.40576	.39189	.56875	.58796
#2	22.931	.40668	.40326	.58701	.59156
#3	22.496	.40946	.39379	.56668	.59327

Method: KICAP Sample Name: 0904022-045A Operator: CT
Run Time: 04/09/09 12:07:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00159	84.29	.02760	.72815	.00424	84.05	.00457
SDev	.00061	.08	.00134	.00082	.00010	.03	.00007
%RSD	38.583	.0930	4.8444	.11311	2.2570	.0323	1.6444
#1	.00092	84.26	.02903	.72885	.00435	84.07	.00462
#2	.00211	84.23	.02738	.72836	.00421	84.05	.00461
#3	.00175	84.38	.02638	.72724	.00417	84.02	.00448

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06003	.14895	.22100	142.56	11.23	41.42	3.0660
SDev	.00016	.00017	.00034	.04	.02	.01	.0006
%RSD	.27398	.11551	.15260	.02869	.1496	.0273	.01970
#1	.06021	.14878	.22131	142.51	11.25	41.41	3.0665
#2	.05999	.14913	.22107	142.56	11.22	41.43	3.0660
#3	.05989	.14894	.22064	142.59	11.22	41.41	3.0653

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00669	.5022	.14345	.02847	.19516	1.2825	.17548
SDev	.00146	.0060	.00046	.00049	.00032	.0019	.00034
%RSD	21.853	1.190	.32077	1.7090	.16580	.14500	.19377
#1	.00814	.5089	.14303	.02840	.19549	1.2837	.17509
#2	.00672	.5003	.14394	.02802	.19515	1.2834	.17562
#3	.00521	.4974	.14336	.02899	.19485	1.2804	.17572

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2295	.05976	-.00205	4.9417	.00595	.02473	4.9236
SDev	.0007	.00047	.00108	.0188	.00148	.00196	.0132
%RSD	.06064	.78065	52.747	.38027	24.859	7.9225	.26864
#1	1.2299	.06024	-.00080	4.9207	.00757	.02658	4.9085
#2	1.2300	.05931	-.00260	4.9473	.00559	.02492	4.9291
#3	1.2286	.05974	-.00274	4.9570	.00468	.02268	4.9332

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.9508	.00814	.00486	.02149	.02635
SDev	.0216	.00254	.00118	.00178	.00195
%RSD	.43664	31.230	24.268	8.2766	7.4078
#1	4.9269	.01105	.00584	.02018	.02828
#2	4.9565	.00641	.00519	.02352	.02638
#3	4.9690	.00695	.00355	.02078	.02438

Method: KICAP Sample Name: 0904022-046A Operator: CT
Run Time: 04/09/09 12:11:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00617	84.54	.11125	5.2147	.00463	146.9	.01219
SDev	.00024	.26	.00062	.0114	.00001	.4	.00007
%RSD	3.8733	.3048	.55943	.21805	.16638	.2783	.55535
#1	.00622	84.37	.11065	5.2026	.00462	146.4	.01213
#2	.00591	84.84	.11121	5.2252	.00464	147.2	.01217
#3	.00638	84.43	.11189	5.2164	.00463	147.0	.01226

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08196	.20601	.49089	165.36	19.02	48.91	6.0157
SDev	.00014	.00043	.00131	.37	.00	.09	.0116
%RSD	.16656	.20767	.26595	.22490	.0101	.1839	.19349
#1	.08182	.20558	.48965	164.94	19.02	48.80	6.0027
#2	.08198	.20643	.49226	165.66	19.02	48.96	6.0252
#3	.08209	.20603	.49077	165.48	19.02	48.95	6.0193

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01054	1.262	.23830	.05180	.47301	1.6200	.24813
SDev	.00098	.002	.00026	.00064	.00077	.0035	.00052
%RSD	9.2693	.1966	.11113	1.2340	.16188	.21896	.20887
#1	.00941	1.259	.23800	.05183	.47229	1.6161	.24753
#2	.01115	1.264	.23841	.05114	.47381	1.6230	.24841
#3	.01106	1.263	.23849	.05242	.47292	1.6210	.24845

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.7228	.06329	-.00884	42.488	.00599	.13788	42.819
SDev	.0099	.00030	.00109	.131	.00018	.00049	.061
%RSD	.20989	.48129	12.294	.30893	2.9643	.35879	.14342
#1	4.7117	.06299	-.00909	42.374	.00580	.13733	42.757
#2	4.7307	.06360	-.00977	42.631	.00604	.13801	42.879
#3	4.7261	.06327	-.00764	42.459	.00615	.13829	42.822

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	42.852	.00778	.00510	.13271	.14096
SDev	.317	.00233	.00126	.00417	.00138
%RSD	.73866	29.907	24.639	3.1435	.97891
#1	42.492	.00766	.00487	.12857	.14245
#2	43.087	.01016	.00398	.13264	.14069
#3	42.977	.00551	.00646	.13692	.13973

Method: KICAP Sample Name: 0904022-047A Operator: CT
Run Time: 04/09/09 12:15:00
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00114	101.4	.05368	6.6000	.00544	160.4	.05758
SDev	.00067	.4	.00030	.0331	.00001	.6	.00028
%RSD	58.815	.3746	.56716	.50184	.26061	.4013	.49556
#1	.00041	101.9	.05382	6.6382	.00545	161.2	.05791
#2	.00173	101.4	.05333	6.5828	.00543	160.1	.05740
#3	.00128	101.1	.05389	6.5791	.00543	160.0	.05743

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09069	.29077	.59450	233.08	17.34	61.88	4.4239
SDev	.00023	.00096	.00269	.89	.05	.21	.0190
%RSD	.25585	.33015	.45253	.38028	.2605	.3382	.43021
#1	.09090	.29188	.59761	234.10	17.39	62.13	4.4459
#2	.09072	.29017	.59298	232.60	17.31	61.75	4.4134
#3	.09044	.29026	.59293	232.53	17.31	61.78	4.4125

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00935	1.500	.28965	.04026	.41855	1.4740	.33573
SDev	.00029	.005	.00084	.00113	.00198	.0057	.00098
%RSD	3.1427	.3260	.29134	2.8042	.47293	.38571	.29264
#1	.00922	1.506	.29000	.03959	.42084	1.4801	.33686
#2	.00913	1.497	.28869	.04156	.41745	1.4729	.33508
#3	.00968	1.498	.29026	.03962	.41737	1.4689	.33526

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.738	.11156	-.01476	5.0183	.00641	.03359	5.0071
SDev	.054	.00064	.00063	.0134	.00231	.00130	.0066
%RSD	.32094	.57039	4.2643	.26639	35.984	3.8768	.13193
#1	16.800	.11191	-.01545	5.0057	.00546	.03420	5.0085
#2	16.711	.11194	-.01423	5.0323	.00472	.03448	5.0000
#3	16.704	.11082	-.01459	5.0170	.00904	.03210	5.0130

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.0239	.01154	.00384	.02188	.03993
SDev	.0225	.00061	.00340	.00259	.00066
%RSD	.44797	5.3278	88.525	11.853	1.6425
#1	5.0043	.01084	.00278	.02445	.04056
#2	5.0485	.01198	.00110	.02194	.03999
#3	5.0190	.01181	.00765	.01926	.03925

Method: KICAP Sample Name: 0904022-048A Operator: CT
Run Time: 04/09/09 12:18:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00151	81.71	.02952	.60671	.00263	67.17	.01523
SDev	.00033	.25	.00073	.00381	.00001	.33	.00011
%RSD	21.912	.3111	2.4598	.62762	.53844	.4877	.69241
#1	.00113	81.81	.03036	.61018	.00265	67.47	.01534
#2	.00172	81.42	.02906	.60263	.00262	66.82	.01513
#3	.00168	81.90	.02914	.60731	.00263	67.22	.01521

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09553	.23804	.33772	170.02	6.018	51.13	3.2775
SDev	.00055	.00109	.00161	.77	.029	.25	.0152
%RSD	.57319	.45766	.47541	.45194	.4890	.4811	.46438
#1	.09612	.23912	.33890	170.68	6.052	51.38	3.2906
#2	.09503	.23694	.33589	169.17	5.997	50.89	3.2608
#3	.09543	.23805	.33836	170.19	6.006	51.12	3.2810

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04200	4.062	.57088	.04691	.22891	2.3259	1.0306
SDev	.00121	.017	.00274	.00194	.00113	.0110	.0043
%RSD	2.8887	.4128	.47932	4.1398	.49221	.47170	.41869
#1	.04340	4.075	.57375	.04913	.22977	2.3343	1.0342
#2	.04130	4.043	.56829	.04550	.22763	2.3135	1.0258
#3	.04130	4.068	.57060	.04610	.22933	2.3299	1.0317

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2330	.08976	-.00398	9.4226	.01256	.05855	9.1360
SDev	.0210	.00151	.00149	.0468	.00050	.00167	.0184
%RSD	.49667	1.6858	37.378	.49718	3.9686	2.8564	.20119
#1	4.2523	.09150	-.00228	9.4685	.01309	.05726	9.1425
#2	4.2106	.08873	-.00463	9.3749	.01210	.05794	9.1153
#3	4.2361	.08905	-.00504	9.4244	.01249	.06044	9.1503

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.1273	.01805	.00982	.05096	.06259
SDev	.1321	.00522	.00187	.00919	.00258
%RSD	1.4475	28.921	19.051	18.034	4.1187
#1	8.9763	.02388	.00770	.04091	.06543
#2	9.1845	.01380	.01125	.05302	.06040
#3	9.2212	.01648	.01050	.05894	.06193

Method: KICAP Sample Name: 0904022-049A Operator: CT
Run Time: 04/09/09 12:22:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	137.7	.09401	1.1619	.00785	636.0	.00659
SDev	.00051	.8	.00037	.0065	.00003	3.1	.00001
%RSD	379.60	.6056	.39248	.56211	.38927	.4894	.11603
#1	-.00071	138.6	.09433	1.1691	.00789	639.5	.00659
#2	.00028	137.0	.09361	1.1563	.00784	633.5	.00660
#3	.00002	137.5	.09408	1.1604	.00784	635.1	.00658

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08804	.34610	.37201	178.99	39.53	84.71	6.2853
SDev	.00024	.00132	.00196	.78	.21	.37	.0294
%RSD	.27101	.38178	.52640	.43847	.5201	.4344	.46774
#1	.08832	.34762	.37422	179.88	39.76	85.13	6.3187
#2	.08793	.34521	.37049	178.38	39.36	84.44	6.2633
#3	.08788	.34547	.37132	178.72	39.48	84.55	6.2738

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02416	4.307	.26914	.05498	.85760	2.2168	.27674
SDev	.00052	.022	.00121	.00108	.00477	.0102	.00121
%RSD	2.1476	.5075	.44986	1.9574	.55633	.46234	.43690
#1	.02439	4.330	.27046	.05621	.86293	2.2283	.27812
#2	.02453	4.287	.26807	.05450	.85372	2.2088	.27588
#3	.02357	4.305	.26889	.05422	.85616	2.2132	.27622

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8190	.11314	-.01013	1.6964	.00373	.01903	1.6912
SDev	.0102	.00036	.00044	.0032	.00022	.00053	.0013
%RSD	.56061	.32205	4.3805	.18591	5.8301	2.7907	.07949
#1	1.8306	.11356	-.01051	1.6944	.00363	.01958	1.6913
#2	1.8114	.11294	-.00964	1.6948	.00398	.01852	1.6924
#3	1.8151	.11292	-.01024	1.7000	.00357	.01897	1.6897

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.6990	.00762	.00179	.01298	.02155
SDev	.0053	.00054	.00039	.00205	.00109
%RSD	.31407	7.0985	21.583	15.777	5.0623
#1	1.6959	.00814	.00138	.01352	.02261
#2	1.6959	.00764	.00215	.01471	.02043
#3	1.7052	.00706	.00183	.01072	.02160

Method: KICAP Sample Name: CCVH2 Operator: CT
Run Time: 04/09/09 12:25:36
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00020	.0760	.00247	.00079	.00013	49.68	.00029
SDev	.00044	.0459	.00040	.00043	.00000	.11	.00004
%RSD	221.71	60.37	16.029	53.912	2.4580	.2279	12.544
#1	.00047	.1273	.00281	.00126	.00013	49.73	.00029
#2	.00042	.0615	.00256	.00070	.00013	49.55	.00033
#3	-.00031	.0391	.00204	.00042	.00013	49.77	.00026
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00111	5.0879	.00016	10.272	.0593	.0502	.00258
SDev	.00017	.0211	.00026	.037	.0158	.0292	.00213
%RSD	15.567	.41500	167.75	.36401	26.61	58.14	82.545
#1	.00114	5.0665	.00014	10.307	.0652	.0827	.00496
#2	.00127	5.0886	.00042	10.232	.0713	.0414	.00196
#3	.00092	5.1087	-.00010	10.276	.0414	.0264	.00083
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	49.77	.00066	.00346	.00102	.00184	.00011
SDev	.00077	.11	.00025	.00038	.00027	.00091	.00040
%RSD	1183.3	.2282	38.104	10.915	26.268	49.647	371.73
#1	-.00059	49.65	.00094	.00355	.00132	.00286	.00032
#2	-.00013	49.79	.00061	.00378	.00095	.00154	.00036
#3	.00092	49.87	.00044	.00304	.00080	.00111	-.00035
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00368	-.00133	.00243	10.093	.00054	-.00309	10.221
SDev	.00074	.00001	.00121	.047	.00052	.00176	.030
%RSD	20.189	.84000	49.829	.47007	95.574	57.004	.29048
#1	.00451	-.00132	.00122	10.071	.00032	-.00211	10.187
#2	.00346	-.00133	.00364	10.062	.00018	-.00204	10.233
#3	.00307	-.00134	.00241	10.148	.00114	-.00513	10.243
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.240	.00286	-.00061	-.01490	.00255
SDev	.089	.00398	.00146	.00423	.00115
%RSD	.87195	139.10	238.38	28.400	45.114
#1	10.273	-.00115	.00105	-.01031	.00123
#2	10.307	.00292	-.00119	-.01575	.00331
#3	10.139	.00681	-.00169	-.01865	.00312
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV2 Operator: CT
Run Time: 04/09/09 12:29:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25014	4.980	.50275	.49740	.50162	10.07	.50728
SDev	.00067	.010	.00028	.00082	.00068	.05	.00097
%RSD	.26717	.1919	.05518	.16456	.13605	.4531	.19137
#1	.25082	4.991	.50258	.49801	.50237	10.12	.50838
#2	.24948	4.972	.50261	.49647	.50105	10.05	.50691
#3	.25012	4.978	.50307	.49773	.50143	10.03	.50655
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50697	.50940	.49565	1.0111	10.89	10.09	.49660
SDev	.00099	.00227	.00056	.0052	.05	.02	.00081
%RSD	.19470	.44617	.11358	.51326	.4145	.2217	.16334
#1	.50811	.51201	.49613	1.0167	10.94	10.11	.49753
#2	.50638	.50834	.49503	1.0102	10.85	10.07	.49603
#3	.50642	.50785	.49579	1.0064	10.87	10.08	.49624
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50230	9.818	.52028	.50819	.49950	.50397	.50645
SDev	.00250	.033	.00170	.00071	.00081	.00056	.00085
%RSD	.49705	.3398	.32659	.13943	.16299	.11130	.16786
#1	.49945	9.855	.52224	.50899	.50040	.50424	.50730
#2	.50333	9.790	.51918	.50790	.49881	.50333	.50560
#3	.50411	9.809	.51943	.50766	.49930	.50435	.50645
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50063	.50395	.50781	.50795	.50315	.49644	.50627
SDev	.00091	.00133	.00040	.00533	.00357	.00402	.00224
%RSD	.18135	.26316	.07982	1.0489	.70895	.81083	.44246
#1	.50143	.50521	.50735	.51303	.50182	.49866	.50856
#2	.49964	.50408	.50809	.50240	.50043	.49180	.50408
#3	.50082	.50256	.50799	.50843	.50719	.49887	.50617
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50879	.50624	.50160	.49275	.49804	
SDev	.00688	.00079	.00553	.00664	.00279	
%RSD	1.3520	.15564	1.1023	1.3478	.55933	
#1	.51526	.50714	.49916	.49356	.49971	
#2	.50156	.50588	.49772	.48573	.49483	
#3	.50955	.50569	.50793	.49894	.49959	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB2 Operator: CT
Run Time: 04/09/09 12:32:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	.0269	.00352	.00061	.00026	.0083	.00065
SDev	.00052	.0037	.00067	.00016	.00015	.0037	.00013
%RSD	223.70	13.70	18.968	26.648	59.082	44.45	20.445
#1	.00027	.0260	.00385	.00070	.00043	.0122	.00073
#2	.00074	.0309	.00395	.00070	.00022	.0079	.00071
#3	-.00031	.0237	.00275	.00042	.00013	.0049	.00049

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00233	.00224	.00084	.00469	.1209	.0189	.00043
SDev	.00048	.00051	.00055	.00087	.0295	.0041	.00016
%RSD	20.714	22.921	65.580	18.485	24.36	21.47	36.897
#1	.00211	.00210	.00057	.00493	.1015	.0201	.00058
#2	.00288	.00281	.00148	.00541	.1548	.0222	.00045
#3	.00199	.00181	.00048	.00372	.1064	.0144	.00026

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00282	.0097	.00069	.00406	.00031	.00104	.00018
SDev	.00064	.0024	.00058	.00108	.00015	.00024	.00035
%RSD	22.723	24.56	83.752	26.619	48.353	23.243	192.31
#1	.00353	.0117	.00069	.00296	.00047	.00112	.00038
#2	.00262	.0105	.00127	.00513	.00031	.00122	.00038
#3	.00230	.0071	.00011	.00409	.00016	.00076	-.00022

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00066	.00766	.00138	.00051	.00051	.00463
SDev	.00015	.00093	.00085	.00042	.00131	.00089	.00146
%RSD	1229.9	141.65	11.076	30.041	255.71	174.28	31.633
#1	.00012	.00040	.00695	.00186	.00200	-.00050	.00294
#2	.00007	.00169	.00860	.00117	-.00043	.00083	.00535
#3	-.00016	-.00012	.00743	.00111	-.00005	.00121	.00559

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.00442	-.00144	-.00524	.00339
SDev	.00135	.00149	.00122	.00154	.00130
%RSD	560.84	33.696	84.674	29.422	38.299
#1	.00132	.00610	-.00004	-.00431	.00216
#2	-.00092	.00328	-.00227	-.00702	.00474
#3	-.00112	.00388	-.00201	-.00439	.00326

Method: KICAP Sample Name: MB-9222 Operator: CT
Run Time: 04/09/09 12:36:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.0356	.00217	.00042	.00007	.0838	.00029
SDev	.00040	.0029	.00038	.00014	.00002	.0007	.00013
%RSD	7354.9	8.013	17.396	33.336	31.148	.8419	42.424
#1	-.00046	.0333	.00181	.00028	.00006	.0836	.00016
#2	.00023	.0346	.00214	.00042	.00007	.0832	.00033
#3	.00021	.0388	.00256	.00056	.00010	.0845	.00040

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00140	.00179	.00030	.01212	.0602	.0338	.00119
SDev	.00057	.00046	.00036	.00028	.0360	.0044	.00007
%RSD	40.884	25.953	118.27	2.2986	59.84	13.05	5.6551
#1	.00081	.00129	-.00005	.01210	.0234	.0295	.00113
#2	.00142	.00186	.00029	.01185	.0617	.0337	.00116
#3	.00195	.00221	.00067	.01241	.0954	.0383	.00126

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00064	.0143	.00022	.00425	.00019	.00090	-.00006
SDev	.00044	.0013	.00025	.00162	.00003	.00024	.00021
%RSD	68.653	9.237	114.13	38.264	16.922	26.847	364.66
#1	.00111	.0130	-.00005	.00237	.00016	.00071	-.00026
#2	.00056	.0141	.00028	.00515	.00020	.00081	-.00008
#3	.00024	.0157	.00044	.00521	.00022	.00117	.00017

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00241	.00017	.00509	.00336	.00108	.00042	.00524
SDev	.00006	.00102	.00175	.00017	.00098	.00063	.00063
%RSD	2.6076	585.06	34.418	5.1463	90.320	150.84	11.940
#1	.00238	-.00094	.00307	.00332	.00175	.00114	.00456
#2	.00236	.00042	.00597	.00355	-.00004	.00017	.00580
#3	.00248	.00105	.00623	.00321	.00153	-.00005	.00537

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00242	.00375	-.00025	-.00465	.00295
SDev	.00029	.00152	.00194	.00238	.00054
%RSD	11.839	40.601	769.52	51.155	18.311
#1	.00270	.00452	.00037	-.00211	.00351
#2	.00242	.00474	-.00242	-.00683	.00291
#3	.00213	.00200	.00130	-.00502	.00244

Method: KICAP Sample Name: LCS-9222 Operator: CT
Run Time: 04/09/09 12:39:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04877	1.002	.47254	.18910	.19821	9.841	.19487
SDev	.00025	.007	.00268	.00060	.00118	.064	.00148
%RSD	.50954	.6814	.56652	.31846	.59422	.6477	.75836
#1	.04855	1.008	.47474	.18964	.19929	9.897	.19623
#2	.04871	1.004	.47332	.18922	.19838	9.854	.19507
#3	.04904	.9944	.46956	.18845	.19696	9.772	.19329

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19627	.20196	.19846	1.0206	10.07	9.856	.19969
SDev	.00156	.00150	.00087	.0056	.07	.068	.00106
%RSD	.79320	.74336	.43903	.54809	.6649	.6947	.52900
#1	.19757	.20334	.19904	1.0255	10.11	9.913	.20062
#2	.19668	.20218	.19889	1.0219	10.10	9.875	.19992
#3	.19454	.20036	.19746	1.0145	9.992	9.780	.19854

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19319	9.316	.20636	.20232	.19280	.20773	.19885
SDev	.00133	.019	.00039	.00255	.00076	.00116	.00070
%RSD	.68918	.2044	.19013	1.2602	.39567	.55837	.35217
#1	.19224	9.326	.20666	.20448	.19348	.20877	.19941
#2	.19471	9.328	.20650	.20297	.19295	.20795	.19906
#3	.19261	9.294	.20592	.19951	.19197	.20648	.19806

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19786	.19676	.20072	.20350	.19268	.20464	.19992
SDev	.00101	.00090	.00180	.00101	.00125	.00089	.00472
%RSD	.51022	.45788	.89476	.49626	.64716	.43291	2.3613
#1	.19882	.19708	.20138	.20299	.19141	.20364	.20247
#2	.19795	.19746	.20209	.20467	.19390	.20498	.20282
#3	.19680	.19574	.19869	.20285	.19273	.20531	.19447

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.20529	.18842	.19481	.20899	.20173
SDev	.00191	.00428	.00210	.00610	.00204
%RSD	.92883	2.2729	1.0778	2.9190	1.0103
#1	.20326	.18848	.19287	.20377	.20282
#2	.20559	.19267	.19451	.20750	.20298
#3	.20703	.18411	.19704	.21569	.19938

Method: KICAP Sample Name: 0904022-001A Operator: CT
Run Time: 04/09/09 12:43:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00245	74.45	.05258	2.2480	.00415	431.4	.01491
SDev	.00009	.11	.00079	.0023	.00004	.4	.00005
%RSD	3.4795	.1442	1.5107	.10101	1.0687	.1013	.30162
#1	.00240	74.32	.05343	2.2454	.00420	430.9	.01494
#2	.00241	74.52	.05246	2.2489	.00412	431.6	.01486
#3	.00255	74.50	.05186	2.2497	.00412	431.8	.01493

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05301	.25523	.36721	152.70	17.48	54.21	5.0547
SDev	.00013	.00042	.00053	.16	.01	.06	.0045
%RSD	.24986	.16448	.14462	.10637	.0775	.1053	.08824
#1	.05307	.25475	.36666	152.51	17.49	54.15	5.0498
#2	.05286	.25543	.36725	152.77	17.46	54.22	5.0560
#3	.05311	.25552	.36772	152.80	17.47	54.26	5.0584

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01022	2.759	.15156	.16825	.71964	1.4059	.21301
SDev	.00101	.001	.00034	.00059	.00069	.0018	.00035
%RSD	9.9018	.0385	.22645	.34891	.09569	.12709	.16500
#1	.01137	2.759	.15128	.16759	.71887	1.4039	.21262
#2	.00978	2.759	.15194	.16844	.71988	1.4065	.21314
#3	.00950	2.760	.15145	.16872	.72018	1.4074	.21328

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.4317	.07889	-.00730	2.5938	.00192	.04839	2.5964
SDev	.0045	.00035	.00065	.0204	.00149	.00044	.0053
%RSD	.10071	.44790	8.8824	.78707	77.410	.89989	.20540
#1	4.4267	.07848	-.00682	2.5705	.00023	.04876	2.5908
#2	4.4334	.07905	-.00703	2.6083	.00249	.04791	2.6014
#3	4.4351	.07913	-.00803	2.6027	.00304	.04851	2.5970

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5925	.00594	-.00009	.04061	.05153
SDev	.0281	.00031	.00224	.00137	.00104
%RSD	1.0825	5.2254	2639.1	3.3816	2.0269
#1	2.5603	.00603	-.00266	.03930	.05274
#2	2.6117	.00559	.00094	.04049	.05087
#3	2.6056	.00620	.00147	.04203	.05099

Method: KICAP Sample Name: 0904022-002A Operator: CT
Run Time: 04/09/09 12:46:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00032	76.37	.05397	3.4659	.00368	544.3	.00494
SDev	.00106	.41	.00034	.0209	.00001	2.3	.00001
%RSD	335.95	.5381	.63474	.60161	.15817	.4195	.16900
#1	-.00121	76.62	.05414	3.4776	.00367	545.8	.00493
#2	-.00060	76.59	.05358	3.4783	.00369	545.4	.00495
#3	.00086	75.90	.05420	3.4418	.00368	541.7	.00494

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05642	.17583	.20636	136.67	16.12	153.4	4.3488
SDev	.00020	.00026	.00218	.54	.04	.5	.0189
%RSD	.35185	.14491	1.0585	.39239	.2524	.3278	.43480
#1	.05653	.17581	.20808	136.91	16.17	153.7	4.3596
#2	.05619	.17609	.20709	137.04	16.09	153.6	4.3598
#3	.05654	.17559	.20390	136.06	16.10	152.8	4.3270

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00363	2.979	.13962	.02522	.72414	1.2872	.18582
SDev	.00067	.014	.00008	.00051	.00372	.0069	.00030
%RSD	18.563	.4552	.05704	2.0396	.51387	.53506	.16204
#1	.00439	2.992	.13962	.02558	.72608	1.2912	.18564
#2	.00311	2.981	.13970	.02463	.72648	1.2911	.18617
#3	.00338	2.965	.13954	.02546	.71985	1.2792	.18566

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7617	.04402	-.00817	.68868	.00064	.00328	.69479
SDev	.0149	.00078	.00039	.00658	.00080	.00072	.00204
%RSD	.53882	1.7663	4.7625	.95478	125.18	21.841	.29406
#1	2.7704	.04491	-.00853	.68789	-.00015	.00376	.69713
#2	2.7702	.04345	-.00822	.69561	.00062	.00363	.69336
#3	2.7445	.04371	-.00776	.68253	.00145	.00246	.69388

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.68562	.00635	-.00221	-.00472	.00778
SDev	.01014	.00579	.00408	.00492	.00341
%RSD	1.4790	91.196	184.21	104.23	43.824
#1	.68328	.01267	-.00655	-.01020	.01148
#2	.69673	.00510	-.00162	-.00328	.00707
#3	.67686	.00129	.00154	-.00068	.00478

Method: KICAP Sample Name: 0904022-003A Operator: CT
Run Time: 04/09/09 12:50:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00478	411.6	.52360	2.5161	.06466	2378.	.00540
SDev	.00052	1.6	.00282	.0120	.00021	6.	.00002
%RSD	10.824	.3961	.53825	.47509	.32708	.2636	.38728
#1	-.00418	409.9	.52101	2.5045	.06451	2374.	.00542
#2	-.00500	413.2	.52660	2.5284	.06490	2385.	.00540
#3	-.00514	411.7	.52319	2.5155	.06458	2374.	.00538

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04560	1.4597	.21974	147.74	61.71	120.6	33.850
SDev	.00031	.0041	.00055	.42	.18	.3	.091
%RSD	.67264	.28093	.24793	.28632	.2858	.2217	.26998
#1	.04594	1.4568	.21912	147.40	61.64	120.5	33.813
#2	.04551	1.4644	.22016	148.21	61.91	120.9	33.954
#3	.04535	1.4579	.21994	147.61	61.58	120.4	33.783

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	13.88	.10310	.07183	2.6585	11.635	.09779
SDev	.00059	.04	.00041	.00069	.0102	.041	.00036
%RSD	399.13	.3193	.39665	.95669	.38300	.35233	.36665
#1	.00047	13.84	.10306	.07109	2.6495	11.597	.09771
#2	.00051	13.93	.10353	.07244	2.6695	11.678	.09819
#3	-.00054	13.87	.10272	.07197	2.6563	11.631	.09749

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39333	.05423	.02033	1.3620	.02937	.01108	1.3884
SDev	.00155	.00088	.00283	.0055	.00110	.00101	.0060
%RSD	.39456	1.6186	13.943	.40694	3.7320	9.1008	.43428
#1	.39236	.05466	.02337	1.3557	.02811	.01183	1.3948
#2	.39512	.05322	.01776	1.3657	.02986	.01149	1.3828
#3	.39250	.05480	.01985	1.3648	.03013	.00993	1.3876

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.3489	.04396	.02209	-.00380	.01776
SDev	.0112	.00557	.00437	.00571	.00314
%RSD	.83025	12.669	19.799	150.11	17.674
#1	1.3362	.05027	.01705	-.01004	.02124
#2	1.3572	.03975	.02492	.00116	.01514
#3	1.3534	.04184	.02429	-.00253	.01691

Method: KICAP Sample Name: 0904022-004A Operator: CT
Run Time: 04/09/09 12:53:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00117	237.5	.44040	3.0904	.04619	1465.	.00813
SDev	.00042	1.3	.00268	.0149	.00027	7.	.00002
%RSD	36.139	.5286	.60765	.48314	.58836	.4713	.28207
#1	-.00068	237.0	.43872	3.0844	.04609	1464.	.00811
#2	-.00139	236.6	.43899	3.0794	.04598	1459.	.00812
#3	-.00143	239.0	.44348	3.1074	.04649	1473.	.00815

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06763	.77034	.25831	87.440	29.55	245.3	29.823
SDev	.00063	.00430	.00167	.502	.13	1.4	.129
%RSD	.92382	.55808	.64569	.57356	.4410	.5592	.43421
#1	.06744	.76843	.25816	87.171	29.55	244.8	29.782
#2	.06712	.76734	.25673	87.130	29.43	244.3	29.720
#3	.06833	.77527	.26005	88.018	29.69	246.8	29.969

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01437	8.359	.21645	.04245	1.9333	7.0079	.14536
SDev	.00016	.037	.00140	.00193	.0096	.0338	.00078
%RSD	1.1148	.4384	.64847	4.5391	.49712	.48245	.53722
#1	.01422	8.355	.21552	.04404	1.9291	6.9942	.14492
#2	.01436	8.324	.21577	.04031	1.9265	6.9831	.14489
#3	.01454	8.397	.21807	.04301	1.9443	7.0464	.14626

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1169	.05065	.00122	1.4445	.02167	.00864	1.4566
SDev	.0064	.00112	.00153	.0130	.00117	.00085	.0046
%RSD	.57047	2.2067	125.66	.89803	5.3797	9.8568	.31696
#1	1.1146	.05184	.00037	1.4307	.02107	.00959	1.4526
#2	1.1120	.04962	.00030	1.4462	.02301	.00841	1.4557
#3	1.1241	.05050	.00298	1.4564	.02092	.00793	1.4617

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.4384	.03209	.01646	-.00259	.01425
SDev	.0173	.00553	.00429	.00506	.00291
%RSD	1.2001	17.235	26.089	195.41	20.446
#1	1.4197	.03778	.01272	-.00797	.01760
#2	1.4415	.02673	.02115	.00207	.01233
#3	1.4538	.03177	.01551	-.00186	.01282

Method: KICAP Sample Name: 0904022-005A Operator: CT
Run Time: 04/09/09 12:57:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00015	297.9	.33621	2.0286	.05234	1618.	.00537
SDev	.00057	1.2	.00063	.0086	.00012	4.	.00016
%RSD	377.59	.4026	.18782	.42627	.22153	.2539	2.9681
#1	.00077	297.5	.33682	2.0251	.05236	1620.	.00554
#2	.00004	297.0	.33556	2.0222	.05221	1613.	.00534
#3	-.00036	299.3	.33624	2.0384	.05244	1620.	.00523

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04734	.21099	.58108	134.83	31.57	84.37	18.673
SDev	.00058	.00093	.00267	.28	.11	.24	.041
%RSD	1.2308	.44020	.45964	.21067	.3601	.2790	.22128
#1	.04799	.21199	.58043	134.89	31.66	84.60	18.691
#2	.04713	.21015	.57879	134.52	31.44	84.13	18.625
#3	.04688	.21082	.58402	135.08	31.60	84.38	18.701

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00168	9.113	.12707	.08896	1.9992	7.4646	.18387
SDev	.00034	.032	.00046	.00167	.0073	.0237	.00041
%RSD	20.450	.3547	.36039	1.8808	.36665	.31743	.22064
#1	.00169	9.119	.12760	.08845	1.9967	7.4619	.18429
#2	.00133	9.078	.12677	.09083	1.9935	7.4425	.18348
#3	.00201	9.142	.12684	.08760	2.0075	7.4896	.18386

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1271	.08548	.01315	57.400	.02061	.54926	55.589
SDev	.0034	.00034	.00227	.293	.00209	.00559	.065
%RSD	.30123	.40081	17.264	.50979	10.114	1.0174	.11768
#1	1.1275	.08588	.01571	57.283	.01821	.54281	55.665
#2	1.1235	.08527	.01235	57.185	.02196	.55253	55.548
#3	1.1303	.08530	.01139	57.733	.02166	.55245	55.555

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	55.721	.02322	.01931	.54737	.55045
SDev	.617	.00179	.00395	.01503	.00101
%RSD	1.1074	7.6930	20.466	2.7462	.18282
#1	55.011	.02502	.01481	.53008	.55141
#2	56.130	.02145	.02222	.55728	.54940
#3	56.022	.02318	.02091	.55476	.55054

Method: KICAP Sample Name: 0904022-006A Operator: CT
Run Time: 04/09/09 13:00:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00033	124.0	.03770	.81796	.00508	390.5	.00362
SDev	.00023	.6	.00021	.00418	.00002	1.9	.00009
%RSD	69.921	.4696	.56362	.51117	.34009	.4856	2.5493
#1	-.00008	123.4	.03779	.81353	.00506	388.4	.00352
#2	-.00038	124.1	.03785	.81849	.00508	391.0	.00368
#3	-.00053	124.5	.03746	.82184	.00510	392.1	.00367

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05717	.18726	.27197	172.13	22.59	161.3	3.9679
SDev	.00042	.00125	.00160	1.13	.08	1.1	.0201
%RSD	.73469	.66841	.58855	.65629	.3439	.6589	.50761
#1	.05668	.18588	.27027	170.87	22.51	160.1	3.9458
#2	.05741	.18757	.27219	172.48	22.60	161.6	3.9728
#3	.05741	.18833	.27345	173.05	22.67	162.2	3.9852

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00247	1.106	.13874	.02034	.88402	1.3491	.20690
SDev	.00078	.003	.00054	.00091	.00424	.0064	.00138
%RSD	31.445	.2784	.38750	4.4649	.47925	.47487	.66604
#1	.00325	1.103	.13817	.01942	.87957	1.3421	.20536
#2	.00169	1.106	.13883	.02037	.88447	1.3506	.20732
#3	.00247	1.109	.13924	.02123	.88801	1.3546	.20802

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5083	.03414	-.01220	2.2176	.00257	.05803	2.2140
SDev	.0094	.00078	.00099	.0061	.00068	.00102	.0070
%RSD	.62470	2.2744	8.0731	.27399	26.324	1.7567	.31685
#1	1.4979	.03379	-.01318	2.2109	.00226	.05920	2.2142
#2	1.5105	.03503	-.01221	2.2191	.00334	.05755	2.2069
#3	1.5164	.03360	-.01121	2.2228	.00209	.05734	2.2210

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.2194	.00755	.00008	.05267	.06071
SDev	.0088	.00243	.00195	.00333	.00262
%RSD	.39499	32.196	2411.1	6.3161	4.3093
#1	2.2093	.01031	-.00176	.05221	.06344
#2	2.2252	.00577	.00213	.05620	.05822
#3	2.2237	.00655	-.00013	.04959	.06046

Method: KICAP Sample Name: 0904022-007A Operator: CT
Run Time: 04/09/09 13:04:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02126	76.27	.11531	.71847	.00407	910.2	.00591
SDev	.00022	.40	.00054	.00345	.00002	4.0	.00002
%RSD	1.0170	.5199	.46606	.47990	.51095	.4449	.34901
#1	.02115	75.88	.11482	.71558	.00405	907.2	.00592
#2	.02113	76.24	.11522	.71754	.00405	908.6	.00592
#3	.02151	76.68	.11588	.72229	.00409	914.8	.00589

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.6619	.24215	2.3619	181.67	25.01	176.4	4.7464
SDev	.0082	.00102	.0126	.90	.10	.8	.0208
%RSD	.49201	.42119	.53180	.49301	.4056	.4519	.43867
#1	1.6565	.24135	2.3515	180.96	24.92	175.8	4.7302
#2	1.6578	.24180	2.3583	181.38	24.98	176.0	4.7390
#3	1.6713	.24330	2.3758	182.68	25.12	177.3	4.7699

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02549	8.658	.66797	.04971	2.2991	1.4193	.15997
SDev	.00046	.038	.00358	.00084	.0110	.0063	.00072
%RSD	1.7919	.4333	.53603	1.6983	.47916	.44187	.44892
#1	.02503	8.622	.66554	.04874	2.2899	1.4142	.15938
#2	.02549	8.654	.66628	.05013	2.2961	1.4174	.15977
#3	.02595	8.697	.67208	.05025	2.3113	1.4263	.16077

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3890	.08719	-.00914	4.1109	.00080	.04146	4.0979
SDev	.0067	.00131	.00178	.0245	.00080	.00060	.0170
%RSD	.48553	1.5084	19.452	.59555	100.25	1.4409	.41423
#1	1.3843	.08725	-.00917	4.0892	.00043	.04121	4.0784
#2	1.3859	.08585	-.01091	4.1061	.00171	.04214	4.1060
#3	1.3967	.08848	-.00735	4.1374	.00025	.04103	4.1093

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.1174	.00641	-.00201	.03706	.04441
SDev	.0301	.00127	.00121	.00135	.00108
%RSD	.73046	19.745	60.225	3.6457	2.4225
#1	4.0946	.00757	-.00314	.03556	.04478
#2	4.1062	.00661	-.00073	.03742	.04525
#3	4.1515	.00506	-.00216	.03819	.04320

Method: KICAP Sample Name: 0904022-008A Operator: CT
Run Time: 04/09/09 13:08:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00314	75.50	.06236	3.3955	.00454	438.0	.02554
SDev	.00052	.21	.00048	.0075	.00003	1.4	.00014
%RSD	16.670	.2789	.76780	.21940	.73110	.3241	.54946
#1	.00302	75.33	.06211	3.3892	.00453	437.8	.02556
#2	.00371	75.74	.06292	3.4037	.00457	439.5	.02567
#3	.00269	75.45	.06207	3.3936	.00451	436.7	.02539

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06236	.36875	.42871	141.77	15.68	148.8	10.562
SDev	.00075	.00154	.00131	.48	.05	.6	.031
%RSD	1.1952	.41788	.30621	.33667	.3350	.3887	.29357
#1	.06274	.36843	.42791	141.54	15.67	148.7	10.546
#2	.06283	.37043	.43023	142.32	15.73	149.5	10.598
#3	.06150	.36739	.42800	141.45	15.63	148.3	10.543

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00732	1.690	.14454	.14127	.95254	2.0423	.19448
SDev	.00056	.005	.00047	.00123	.00210	.0061	.00091
%RSD	7.7077	.2952	.32514	.87074	.22016	.29942	.46898
#1	.00794	1.690	.14468	.14237	.95098	2.0387	.19408
#2	.00684	1.696	.14492	.13994	.95493	2.0493	.19552
#3	.00716	1.686	.14401	.14151	.95172	2.0388	.19384

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.5814	.08803	-.01107	10.081	.01237	.00740	9.3902
SDev	.0214	.00073	.00112	.035	.00231	.00040	.0377
%RSD	.28241	.83540	10.109	.34361	18.657	5.4686	.40127
#1	7.5753	.08744	-.01081	10.059	.01021	.00785	9.3665
#2	7.6051	.08885	-.01230	10.121	.01481	.00726	9.4336
#3	7.5636	.08780	-.01011	10.063	.01210	.00708	9.3704

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.3989	.01676	.01018	.00139	.00965
SDev	.0632	.00250	.00258	.00270	.00028
%RSD	.67215	14.908	25.302	194.76	2.9192
#1	9.3287	.01388	.00839	.00304	.00950
#2	9.4511	.01816	.01314	.00284	.00947
#3	9.4169	.01826	.00903	-.00173	.00997

Method: KICAP Sample Name: CCVH3 Operator: CT
Run Time: 04/09/09 13:11:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.0624	.00320	.00163	.00015	49.43	.00039
SDev	.00012	.0251	.00041	.00103	.00001	.24	.00005
%RSD	35.066	40.21	12.827	63.182	3.6142	.4756	11.969
#1	.00048	.0910	.00351	.00279	.00016	49.56	.00042
#2	.00034	.0524	.00274	.00126	.00015	49.58	.00034
#3	.00023	.0439	.00337	.00084	.00015	49.16	.00042
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00190	5.1192	.00010	10.317	.0822	.0821	.00442
SDev	.00026	.0089	.00046	.058	.0169	.0519	.00361
%RSD	13.861	.17376	466.09	.55834	20.61	63.20	81.822
#1	.00206	5.1175	.00058	10.361	.0899	.1407	.00850
#2	.00160	5.1288	-.00033	10.339	.0628	.0637	.00314
#3	.00205	5.1113	.00005	10.252	.0939	.0420	.00161
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	50.03	.00077	.00583	.00112	.00196	.00018
SDev	.00049	.04	.00025	.00039	.00032	.00078	.00021
%RSD	833.82	.0786	32.083	6.7050	28.887	40.121	121.67
#1	-.00032	50.07	.00102	.00578	.00150	.00285	.00042
#2	-.00036	50.01	.00052	.00547	.00099	.00162	.00007
#3	.00051	50.00	.00077	.00624	.00089	.00139	.00004
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00597	-.00115	.00472	10.175	.00051	-.00426	10.262
SDev	.00278	.00030	.00055	.025	.00043	.00060	.054
%RSD	46.462	26.598	11.728	.24221	84.934	14.068	.52913
#1	.00909	-.00108	.00519	10.178	.00004	-.00453	10.301
#2	.00506	-.00088	.00411	10.198	.00089	-.00357	10.285
#3	.00377	-.00148	.00487	10.149	.00060	-.00467	10.200
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.269	.00101	.00026	-.01454	.00113
SDev	.047	.00286	.00130	.00181	.00078
%RSD	.45404	283.40	492.98	12.429	69.293
#1	10.295	-.00129	.00070	-.01435	.00186
#2	10.296	.00011	.00129	-.01284	.00031
#3	10.215	.00421	-.00120	-.01644	.00121
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV3 Operator: CT
Run Time: 04/09/09 13:15:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24983	4.954	.50129	.49685	.50036	9.993	.50536
SDev	.00099	.009	.00142	.00169	.00123	.034	.00137
%RSD	.39701	.1849	.28322	.34012	.24649	.3404	.27088
#1	.24904	4.947	.49969	.49494	.49911	10.01	.50453
#2	.25094	4.964	.50241	.49745	.50158	10.01	.50694
#3	.24950	4.950	.50177	.49815	.50038	9.953	.50461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50438	.50798	.49528	1.0092	10.79	10.00	.49200
SDev	.00151	.00154	.00163	.0031	.03	.02	.00111
%RSD	.29905	.30285	.32834	.30885	.2860	.2387	.22564
#1	.50366	.50900	.49341	1.0118	10.80	9.987	.49085
#2	.50611	.50873	.49618	1.0101	10.81	10.03	.49306
#3	.50337	.50621	.49627	1.0058	10.75	9.987	.49210
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50238	9.767	.51923	.50491	.49793	.50119	.50608
SDev	.00375	.006	.00189	.00159	.00096	.00156	.00137
%RSD	.74702	.0617	.36403	.31415	.19292	.31048	.27084
#1	.49817	9.769	.51827	.50308	.49683	.49945	.50491
#2	.50539	9.771	.52141	.50595	.49859	.50246	.50759
#3	.50356	9.760	.51802	.50569	.49837	.50165	.50574
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49800	.50274	.50222	.50464	.50033	.49359	.50393
SDev	.00133	.00234	.00344	.00253	.00722	.00579	.00239
%RSD	.26615	.46462	.68461	.50199	1.4438	1.1732	.47343
#1	.49667	.50011	.49846	.50282	.49242	.48774	.50496
#2	.49932	.50352	.50520	.50753	.50658	.49932	.50562
#3	.49802	.50458	.50300	.50356	.50199	.49369	.50120
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50499	.50562	.49769	.48662	.49682	
SDev	.00337	.00282	.00980	.01258	.00349	
%RSD	.66784	.55779	1.9695	2.5847	.70189	
#1	.50175	.50394	.48667	.47240	.49465	
#2	.50848	.50888	.50543	.49628	.50084	
#3	.50474	.50404	.50097	.49117	.49495	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB3 Operator: CT
Run Time: 04/09/09 13:18:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.0241	.00335	.00049	.00025	.0093	.00054
SDev	.00091	.0033	.00105	.00025	.00018	.0043	.00023
%RSD	759.57	13.69	31.417	51.510	71.589	46.16	42.638
#1	.00039	.0272	.00455	.00077	.00046	.0141	.00080
#2	-.00118	.0207	.00257	.00028	.00017	.0076	.00036
#3	.00042	.0243	.00293	.00042	.00013	.0061	.00046

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00196	.00204	.00060	.00356	.0901	.0173	.00036
SDev	.00064	.00070	.00089	.00075	.0387	.0067	.00021
%RSD	32.832	34.255	146.63	21.069	42.97	38.87	58.820
#1	.00252	.00273	.00162	.00443	.1286	.0248	.00060
#2	.00126	.00133	.00019	.00309	.0512	.0118	.00023
#3	.00210	.00204	.00000	.00316	.0905	.0154	.00024

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00218	.0089	.00050	.00352	.00028	.00087	.00004
SDev	.00227	.0035	.00025	.00042	.00019	.00042	.00047
%RSD	104.19	39.08	50.833	11.936	68.815	48.164	1206.9
#1	.00467	.0129	.00077	.00344	.00050	.00132	.00053
#2	.00161	.0065	.00028	.00314	.00017	.00051	-.00040
#3	.00024	.0073	.00044	.00397	.00016	.00076	-.00001

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	.00034	.00704	.00096	.00039	-.00034	.00388
SDev	.00018	.00123	.00284	.00059	.00087	.00065	.00288
%RSD	520.94	358.67	40.370	61.261	223.39	191.96	74.140
#1	.00017	.00156	.01004	.00164	.00058	.00034	.00634
#2	-.00016	.00037	.00438	.00067	.00116	-.00095	.00459
#3	-.00011	-.00090	.00672	.00058	-.00056	-.00040	.00072

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00049	.00517	-.00200	-.00616	.00282
SDev	.00091	.00309	.00096	.00247	.00172
%RSD	185.25	59.755	48.268	40.026	60.954
#1	-.00070	.00787	-.00306	-.00800	.00451
#2	-.00129	.00586	-.00119	-.00713	.00288
#3	.00051	.00180	-.00174	-.00336	.00107

Method: KICAP Sample Name: 0904022-009A Operator: CT
Run Time: 04/09/09 13:22:11
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00969	61.64	.06572	3.5984	.00574	205.8	.01554
SDev	.00042	.30	.00047	.0104	.00004	1.0	.00008
%RSD	4.3087	.4820	.71062	.28958	.62355	.4632	.51812
#1	.01017	61.34	.06525	3.5877	.00570	204.8	.01546
#2	.00942	61.66	.06619	3.5991	.00575	206.0	.01553
#3	.00948	61.93	.06572	3.6086	.00577	206.7	.01562

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15303	.31495	3.5623	219.30	11.91	53.74	14.169
SDev	.00121	.00183	.0131	1.08	.07	.29	.061
%RSD	.79002	.58036	.36876	.49268	.5560	.5370	.43178
#1	.15165	.31290	3.5486	218.09	11.85	53.42	14.102
#2	.15352	.31551	3.5636	219.61	11.91	53.81	14.184
#3	.15391	.31643	3.5747	220.19	11.98	53.98	14.222

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01710	2.744	.23402	.45069	.78039	2.4140	.23364
SDev	.00051	.012	.00159	.00364	.00296	.0095	.00103
%RSD	3.0035	.4194	.67814	.80657	.37903	.39429	.43949
#1	.01722	2.734	.23232	.44734	.77729	2.4033	.23253
#2	.01653	2.741	.23430	.45018	.78070	2.4169	.23385
#3	.01754	2.757	.23546	.45455	.78318	2.4217	.23455

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.2088	.18507	-.01665	148.06	.00938	1.6508	S14.974
SDev	.0307	.00090	.00065	.76	.00056	.0054	.004
%RSD	.37430	.48534	3.9114	.51441	6.0249	.32928	.02812
#1	8.1742	.18413	-.01727	147.30	.00909	1.6458	S14.979
#2	8.2194	.18516	-.01597	148.05	.01003	1.6500	S14.971
#3	8.2329	.18592	-.01671	148.82	.00902	1.6565	S14.972

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	S16.066	.01492	.00662	1.6381	1.6559
SDev	.003	.00325	.00219	.0225	.0060
%RSD	.01716	21.768	33.090	1.3752	.36527
#1	S16.068	.01866	.00431	1.6122	1.6610
#2	S16.065	.01277	.00867	1.6487	1.6492
#3	S16.063	.01334	.00687	1.6533	1.6574

Method: KICAP Sample Name: 0904022-010A Operator: CT
Run Time: 04/09/09 13:25:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00220	30.30	.07744	1.2329	.00241	1172.	.01511
SDev	.00044	.08	.00027	.0037	.00001	3.	.00009
%RSD	19.721	.2734	.34488	.30300	.21878	.2849	.60061
#1	.00255	30.24	.07754	1.2301	.00241	1169.	.01508
#2	.00234	30.28	.07714	1.2315	.00240	1171.	.01504
#3	.00172	30.40	.07764	1.2371	.00241	1175.	.01521

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02909	.32773	.56935	76.198	6.089	692.2	7.0721
SDev	.00019	.00070	.00176	.206	.006	1.6	.0167
%RSD	.64339	.21468	.30928	.26971	.0955	.2357	.23624
#1	.02922	.32715	.56846	76.049	6.083	691.3	7.0604
#2	.02916	.32753	.56822	76.111	6.090	691.1	7.0646
#3	.02887	.32851	.57138	76.432	6.095	694.0	7.0912

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01181	1.777	.14150	.06250	.53537	1.2626	.15130
SDev	.00055	.004	.00046	.00040	.00168	.0039	.00030
%RSD	4.6634	.2030	.32210	.64202	.31404	.30889	.19682
#1	.01233	1.774	.14153	.06212	.53405	1.2599	.15101
#2	.01187	1.776	.14194	.06246	.53480	1.2608	.15129
#3	.01123	1.781	.14103	.06292	.53727	1.2670	.15160

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8049	.04606	-.00459	2.9773	.00150	.00664	2.9626
SDev	.0094	.00081	.00050	.0193	.00118	.00270	.0115
%RSD	.24670	1.7555	10.826	.64854	78.952	40.629	.38832
#1	3.8000	.04687	-.00474	2.9971	.00194	.00973	2.9651
#2	3.7990	.04526	-.00404	2.9764	.00016	.00547	2.9726
#3	3.8157	.04605	-.00500	2.9585	.00240	.00473	2.9500

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.9847	.00491	-.00020	.00179	.00831
SDev	.0258	.00202	.00173	.00493	.00126
%RSD	.86344	41.098	849.94	275.26	15.121
#1	3.0130	.00306	.00137	.00673	.00972
#2	2.9782	.00460	-.00206	.00177	.00731
#3	2.9627	.00706	.00007	-.00312	.00790

Method: KICAP Sample Name: 0904022-010AMS Operator: CT
Run Time: 04/09/09 13:29:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09554	27.59	.95711	1.1848	.35330	1177.	.35003
SDev	.00021	.11	.00348	.0036	.00067	1.	.00060
%RSD	.22106	.3829	.36348	.30160	.18988	.1261	.17187
#1	.09531	27.47	.95310	1.1807	.35255	1176.	.34934
#2	.09571	27.66	.95909	1.1872	.35351	1178.	.35030
#3	.09562	27.64	.95916	1.1864	.35385	1178.	.35044

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36838	.69076	.92488	72.020	45.78	710.6	6.4833
SDev	.00027	.00084	.00302	.123	.01	.6	.0108
%RSD	.07273	.12089	.32673	.17100	.0253	.0864	.16658
#1	.36829	.68982	.92154	71.882	45.79	710.0	6.4710
#2	.36817	.69101	.92742	72.061	45.78	710.6	6.4878
#3	.36868	.69144	.92570	72.118	45.77	711.2	6.4911

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35987	22.79	.47666	.38136	.76854	1.2153	.44328
SDev	.00156	.04	.00058	.00122	.00184	.0031	.00079
%RSD	.43310	.1536	.12182	.32018	.23976	.25878	.17911
#1	.35814	22.81	.47660	.38275	.76642	1.2117	.44239
#2	.36033	22.75	.47611	.38047	.76981	1.2173	.44353
#3	.36115	22.82	.47726	.38086	.76938	1.2168	.44392

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0575	.42016	.34075	2.9155	.36391	.24134	2.8971
SDev	.0078	.00098	.00325	.0050	.00215	.00179	.0057
%RSD	.15446	.23379	.95240	.17304	.59073	.74340	.19563
#1	5.0486	.41997	.33719	2.9102	.36153	.24023	2.8919
#2	5.0611	.42123	.34149	2.9161	.36450	.24341	2.8963
#3	5.0630	.41929	.34355	2.9203	.36571	.24037	2.9032

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.9247	.36955	.36109	.23664	.24318
SDev	.0048	.00162	.00242	.00183	.00195
%RSD	.16565	.43888	.67005	.77188	.80013
#1	2.9194	.36771	.35844	.23457	.24156
#2	2.9260	.37019	.36166	.23803	.24534
#3	2.9288	.37076	.36318	.23731	.24265

Method: KICAP Sample Name: 0904022-010AMSD Operator: CT
Run Time: 04/09/09 13:32:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09571	35.66	.98600	1.3727	.35625	1271.	.34936
SDev	.00034	.34	.00964	.0127	.00304	10.	.00282
%RSD	.35474	.9608	.97786	.92606	.85334	.7782	.80637
#1	.09534	35.26	.97487	1.3580	.35274	1260.	.34611
#2	.09580	35.87	.99191	1.3805	.35795	1277.	.35098
#3	.09600	35.84	.99122	1.3795	.35807	1277.	.35100

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36979	.67547	.91914	76.973	47.30	778.9	6.9697
SDev	.00273	.00542	.00933	.678	.42	6.7	.0570
%RSD	.73792	.80278	1.0147	.88046	.8835	.8538	.81721
#1	.36664	.66922	.90837	76.191	46.82	771.3	6.9039
#2	.37135	.67823	.92431	77.334	47.52	782.5	7.0017
#3	.37138	.67895	.92474	77.393	47.57	783.0	7.0034

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36236	23.27	.48161	.39101	.84058	1.1984	.44394
SDev	.00308	.11	.00382	.00179	.00776	.0106	.00345
%RSD	.84887	.4932	.79273	.45769	.92345	.88136	.77677
#1	.35882	23.14	.47720	.38897	.83162	1.1862	.43997
#2	.36444	23.36	.48389	.39231	.84527	1.2046	.44617
#3	.36380	23.30	.48373	.39175	.84485	1.2044	.44567

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7490	.42335	.34885	2.9493	.36742	.22508	2.9439
SDev	.0320	.00518	.00542	.0106	.00122	.00030	.0035
%RSD	.85449	1.2229	1.5545	.35885	.33348	.13404	.11841
#1	3.7121	.41759	.34273	2.9371	.36605	.22473	2.9454
#2	3.7677	.42761	.35078	2.9540	.36842	.22526	2.9463
#3	3.7674	.42485	.35305	2.9566	.36779	.22526	2.9399

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.9519	.37367	.36430	.21727	.22923
SDev	.0168	.00086	.00149	.00063	.00044
%RSD	.56891	.23149	.40845	.28877	.19293
#1	2.9330	.37299	.36259	.21716	.22927
#2	2.9579	.37465	.36531	.21795	.22966
#3	2.9650	.37338	.36499	.21671	.22877

Method: KICAP Sample Name: 0904022-010ASD Operator: CT
Run Time: 04/09/09 13:36:20
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00117	30.85	.09042	1.2756	.00355	1175.	.01654
SDev	.00071	.04	.00854	.0016	.00059	2.	.00060
%RSD	61.118	.1404	9.4475	.12644	16.734	.1502	3.6149
#1	.00196	30.90	.09990	1.2775	.00423	1177.	.01721
#2	.00056	30.82	.08804	1.2747	.00333	1175.	.01634
#3	.00099	30.83	.08332	1.2747	.00310	1174.	.01607

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03086	.38488	.56315	84.274	4.130	674.6	7.6114
SDev	.00063	.00033	.00203	.052	.035	.4	.0038
%RSD	2.0445	.08644	.36070	.06220	.8488	.0637	.04935
#1	.03155	.38525	.56546	84.333	4.170	675.1	7.6157
#2	.03075	.38478	.56164	84.258	4.114	674.4	7.6089
#3	.03030	.38461	.56236	84.232	4.106	674.2	7.6096

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01536	1.604	.15348	.07030	.55951	1.3282	.15724
SDev	.00577	.034	.00104	.00619	.00091	.0017	.00117
%RSD	37.544	2.113	.67724	8.8121	.16304	.12916	.74455
#1	.02152	1.642	.15361	.07458	.56057	1.3302	.15849
#2	.01444	1.592	.15237	.07312	.55899	1.3275	.15618
#3	.01010	1.577	.15444	.06320	.55899	1.3270	.15706

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0260	.04560	.01814	3.1354	.00604	.00546	3.1429
SDev	.0034	.00195	.00891	.0109	.00558	.00596	.0078
%RSD	.08378	4.2699	49.146	.34745	92.368	109.33	.24851
#1	4.0292	.04784	.02823	3.1233	.01052	.00805	3.1493
#2	4.0224	.04464	.01131	3.1444	.00782	-.00137	3.1342
#3	4.0264	.04432	.01489	3.1386	-.00021	.00968	3.1452

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.1317	.01628	.00093	-.00718	.01551
SDev	.0198	.00809	.00660	.01070	.00296
%RSD	.63335	49.688	707.64	149.01	19.067
#1	3.1104	.01518	.00820	.00425	.01370
#2	3.1495	.02487	-.00069	-.01696	.01391
#3	3.1353	.00880	-.00471	-.00883	.01892

Method: KICAP Sample Name: 0904022-010APDS Operator: CT
Run Time: 04/09/09 13:39:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09737	30.98	1.0219	1.5189	.35705	1143.	.34971
SDev	.00052	.22	.0074	.0101	.00214	7.	.00187
%RSD	.53631	.7029	.71977	.66384	.59807	.6110	.53603
#1	.09679	30.72	1.0135	1.5073	.35461	1135.	.34757
#2	.09752	31.10	1.0257	1.5240	.35794	1146.	.35051
#3	.09780	31.10	1.0267	1.5254	.35859	1148.	.35105

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36985	.66009	.93014	75.024	44.43	680.4	7.1343
SDev	.00214	.00406	.00600	.455	.28	4.2	.0420
%RSD	.57958	.61478	.64462	.60713	.6261	.6206	.58836
#1	.36741	.65546	.92325	74.503	44.11	675.6	7.0862
#2	.37071	.66172	.93301	75.218	44.56	682.2	7.1533
#3	.37143	.66307	.93416	75.350	44.61	683.4	7.1634

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36849	23.14	.48655	.42083	.85248	1.5822	.50616
SDev	.00220	.12	.00218	.00322	.00514	.0099	.00335
%RSD	.59841	.5346	.44865	.76570	.60291	.62484	.66251
#1	.36595	22.99	.48418	.41763	.84657	1.5709	.50236
#2	.36965	23.22	.48699	.42407	.85498	1.5865	.50740
#3	.36988	23.19	.48848	.42078	.85589	1.5892	.50871

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9942	.42520	.35844	3.1653	.37199	.39130	3.1585
SDev	.0241	.00176	.00155	.0364	.00451	.00577	.0114
%RSD	.60371	.41327	.43394	1.1512	1.2120	1.4734	.36179
#1	3.9665	.42385	.35706	3.1232	.36680	.38464	3.1463
#2	4.0053	.42458	.35813	3.1869	.37497	.39459	3.1605
#3	4.0107	.42719	.36013	3.1857	.37419	.39466	3.1689

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.1686	.37873	.36862	.38541	.39448
SDev	.0494	.00381	.00543	.01191	.00235
%RSD	1.5594	1.0060	1.4739	3.0906	.59650
#1	3.1116	.37560	.36240	.37173	.39184
#2	3.2000	.38298	.37097	.39109	.39634
#3	3.1941	.37762	.37248	.39343	.39528

Method: KICAP Sample Name: 0904022-011A Operator: CT
Run Time: 04/09/09 13:43:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02886	48.98	.08566	6.1796	.00363	412.0	.01543
SDev	.00059	.12	.00084	.0100	.00005	.7	.00003
%RSD	2.0542	.2401	.97450	.16255	1.2765	.1642	.21806
#1	.02928	48.92	.08659	6.1819	.00368	411.7	.01542
#2	.02912	48.91	.08542	6.1686	.00361	411.5	.01546
#3	.02818	49.12	.08497	6.1883	.00359	412.7	.01539

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04644	.20448	1.4856	122.76	8.689	136.3	6.8407
SDev	.00038	.00072	.0028	.35	.020	.3	.0155
%RSD	.82887	.35442	.19027	.28584	.2266	.2527	.22651
#1	.04600	.20382	1.4855	122.49	8.669	136.0	6.8306
#2	.04667	.20435	1.4828	122.63	8.708	136.2	6.8330
#3	.04666	.20526	1.4884	123.16	8.690	136.6	6.8585

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01091	2.470	.15935	.23932	1.2854	1.3550	.16958
SDev	.00109	.004	.00085	.00148	.0026	.0022	.00014
%RSD	9.9521	.1714	.53201	.61911	.20596	.16560	.08248
#1	.01215	2.474	.15842	.23779	1.2849	1.3545	.16961
#2	.01019	2.469	.15958	.24075	1.2831	1.3531	.16943
#3	.01037	2.466	.16007	.23942	1.2883	1.3575	.16970

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.6356	.29499	.00467	506.84	.00652	26.040	S14.177
SDev	.0181	.00188	.00059	1.07	.00070	.085	.005
%RSD	.18748	.63802	12.606	.21203	10.791	.32508	.03522
#1	9.6247	.29360	.00480	506.23	.00571	25.975	S14.174
#2	9.6256	.29423	.00518	506.20	.00701	26.136	S14.175
#3	9.6564	.29713	.00402	508.08	.00684	26.010	S14.183

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	S13.667	.01109	.00424	26.036	26.043
SDev	.005	.00026	.00102	.225	.049
%RSD	.03580	2.3295	24.089	.86236	.18804
#1	S13.667	.01096	.00309	25.802	26.062
#2	S13.662	.01092	.00505	26.250	26.080
#3	S13.672	.01139	.00458	26.055	25.988

Method: KICAP Sample Name: 0904022-012A Operator: CT
Run Time: 04/09/09 13:46:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00346	111.3	.12699	3.4486	.00480	193.9	.02469
SDev	.00024	.4	.00018	.0096	.00001	.4	.00009
%RSD	6.9240	.3357	.14032	.27895	.27456	.2118	.37400
#1	.00374	111.4	.12701	3.4458	.00480	193.8	.02467
#2	.00337	111.6	.12715	3.4594	.00481	194.3	.02480
#3	.00328	110.8	.12680	3.4408	.00478	193.5	.02462

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06376	.19061	.97735	183.77	9.452	40.37	2.3212
SDev	.00012	.00057	.00319	.46	.045	.07	.0051
%RSD	.18610	.30133	.32651	.25020	.4723	.1854	.21954
#1	.06380	.19057	.97616	183.60	9.497	40.39	2.3205
#2	.06385	.19120	.98096	184.29	9.450	40.44	2.3267
#3	.06362	.19006	.97492	183.42	9.408	40.29	2.3166

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01601	5.364	.18648	.12539	1.3944	1.6589	.16480
SDev	.00053	.019	.00082	.00089	.0038	.0045	.00050
%RSD	3.3321	.3491	.44235	.71236	.27389	.27264	.30610
#1	.01590	5.378	.18653	.12481	1.3939	1.6565	.16501
#2	.01659	5.372	.18727	.12495	1.3985	1.6641	.16517
#3	.01554	5.343	.18562	.12642	1.3909	1.6561	.16423

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	22.510	.20569	-.00346	66.703	.00945	.31688	66.222
SDev	.024	.00069	.00128	.323	.00130	.02403	.346
%RSD	.10787	.33496	36.914	.48424	13.744	7.5842	.52229
#1	22.513	.20594	-.00493	66.877	.00795	.34370	66.606
#2	22.532	.20623	-.00276	66.902	.01032	.30965	66.125
#3	22.484	.20492	-.00269	66.330	.01006	.29729	65.935

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	66.878	.01095	.00869	.31682	.31766
SDev	.694	.00216	.00120	.03545	.01916
%RSD	1.0378	19.737	13.828	11.188	6.0315
#1	67.410	.00874	.00756	.35537	.33937
#2	67.130	.01106	.00996	.30945	.31050
#3	66.093	.01306	.00856	.28564	.30311

Method: KICAP Sample Name: 0904022-013A Operator: CT
Run Time: 04/09/09 13:50:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00071	52.65	.14556	.78492	.00377	168.0	.00171
SDev	.00071	.30	.00077	.00456	.00002	.9	.00002
%RSD	100.17	.5666	.53183	.58093	.64018	.5522	1.2127
#1	-.00028	52.50	.14508	.78294	.00376	167.7	.00173
#2	-.00032	52.46	.14514	.78168	.00375	167.3	.00171
#3	-.00154	53.00	.14645	.79013	.00379	169.1	.00169

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04343	.07852	.13187	137.12	7.872	29.09	2.4811
SDev	.00028	.00033	.00076	.81	.040	.15	.0140
%RSD	.64918	.42024	.57798	.59320	.5141	.5138	.56538
#1	.04360	.07849	.13151	136.71	7.894	29.03	2.4748
#2	.04311	.07821	.13136	136.60	7.825	28.97	2.4714
#3	.04359	.07886	.13275	138.06	7.896	29.25	2.4972

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01018	2.522	.10421	.01071	1.0196	1.9140	.13400
SDev	.00074	.012	.00017	.00082	.0059	.0117	.00026
%RSD	7.2531	.4783	.16369	7.6180	.58243	.61217	.19494
#1	.01061	2.522	.10427	.01065	1.0169	1.9077	.13383
#2	.01061	2.511	.10402	.01156	1.0154	1.9068	.13387
#3	.00933	2.535	.10435	.00993	1.0264	1.9275	.13430

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21521	.12833	-.00697	.14353	.00581	.01117	.13970
SDev	.00587	.00062	.00129	.01725	.00074	.00195	.00903
%RSD	2.7255	.48172	18.526	12.020	12.678	17.430	6.4623
#1	.22197	.12762	-.00554	.16261	.00496	.01326	.15012
#2	.21220	.12878	-.00732	.13896	.00630	.01083	.13429
#3	.21145	.12858	-.00805	.12902	.00616	.00941	.13468

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.14544	.00608	.00567	.00854	.01198
SDev	.02162	.00339	.00066	.00438	.00076
%RSD	14.868	55.756	11.651	51.308	6.3866
#1	.16884	.00219	.00634	.01258	.01285
#2	.14129	.00760	.00566	.00917	.01166
#3	.12620	.00843	.00502	.00388	.01142

Method: KICAP Sample Name: 0904022-014A Operator: CT
Run Time: 04/09/09 13:54:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05803	46.60	.10276	3.7776	.00458	206.3	.03146
SDev	.00090	.10	.00032	.0029	.00001	.2	.00012
%RSD	1.5528	.2204	.31496	.07635	.22924	.0993	.37021
#1	.05719	46.48	.10239	3.7742	.00457	206.1	.03137
#2	.05898	46.65	.10297	3.7789	.00459	206.5	.03159
#3	.05790	46.67	.10293	3.7796	.00458	206.4	.03142

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06706	.32109	1.8306	236.93	7.946	48.54	4.9561
SDev	.00027	.00051	.0020	.35	.023	.07	.0054
%RSD	.40707	.15855	.10979	.14579	.2935	.1479	.10855
#1	.06692	.32059	1.8283	236.54	7.939	48.46	4.9501
#2	.06737	.32161	1.8315	237.20	7.972	48.61	4.9604
#3	.06687	.32108	1.8320	237.05	7.926	48.54	4.9579

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05392	2.275	.27117	.83215	.67654	1.5905	.18053
SDev	.00097	.005	.00043	.00308	.00083	.0008	.00031
%RSD	1.7901	.2346	.15808	.36979	.12299	.04815	.17339
#1	.05482	2.274	.27067	.82867	.67559	1.5898	.18023
#2	.05290	2.281	.27141	.83449	.67689	1.5913	.18085
#3	.05404	2.271	.27141	.83330	.67714	1.5904	.18050

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.059	.43896	.00677	887.75	.01101	31.572	S13.245
SDev	.008	.00121	.00108	2.01	.00089	.314	.011
%RSD	.07661	.27569	15.926	.22638	8.1034	.99594	.08507
#1	10.053	.43832	.00612	885.44	.01044	31.209	S13.254
#2	10.067	.44036	.00802	889.13	.01055	31.760	S13.247
#3	10.055	.43821	.00618	888.67	.01204	31.747	S13.232

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	S11.057	.01354	.00975	31.917	31.401
SDev	.040	.00201	.00187	.644	.289
%RSD	.36221	14.814	19.235	2.0166	.92015
#1	S11.078	.01574	.00780	31.314	31.159
#2	S11.011	.01183	.00991	31.842	31.721
#3	S11.083	.01305	.01154	32.595	31.324

Method: KICAP Sample Name: CCVH4 Operator: CT
Run Time: 04/09/09 14:05:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	.0149	.00025	.00005	.00007	50.01	-.00008
SDev	.00053	.0032	.00050	.00008	.00001	.44	.00011
%RSD	104.32	21.11	201.14	173.27	20.603	.8742	141.73
#1	-.00071	.0113	-.00032	.00014	.00005	49.51	-.00020
#2	-.00090	.0161	.00060	-.00000	.00007	50.30	-.00001
#3	.00009	.0173	.00047	-.00000	.00008	50.23	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00065	5.1193	.00043	10.382	-.0894	.0049	.00003
SDev	.00055	.0615	.00023	.102	.0228	.0011	.00009
%RSD	84.864	1.2016	52.606	.98053	25.54	21.57	280.61
#1	-.00128	5.0483	.00066	10.264	-.1149	.0038	.00014
#2	-.00039	5.1564	.00020	10.441	-.0821	.0049	-.00003
#3	-.00028	5.1532	.00044	10.441	-.0710	.0060	-.00001
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	49.67	.00036	.00072	.00058	.00015	-.00031
SDev	.00007	.41	.00022	.00188	.00001	.00010	.00040
%RSD	18.312	.8213	61.289	259.54	1.8751	68.262	127.66
#1	.00046	49.20	.00027	-.00136	.00057	.00007	-.00046
#2	.00032	49.93	.00019	.00123	.00059	.00011	-.00061
#3	.00041	49.87	.00061	.00230	.00059	.00027	.00014
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00371	-.00184	-.00209	10.281	-.00035	.00349	10.271
SDev	.00027	.00099	.00269	.065	.00091	.00107	.039
%RSD	7.2847	54.044	128.50	.63242	257.38	30.744	.38320
#1	.00401	-.00242	-.00456	10.206	.00062	.00437	10.250
#2	.00350	-.00241	-.00248	10.318	-.00050	.00381	10.246
#3	.00361	-.00069	.00077	10.320	-.00118	.00230	10.316
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.275	.00530	-.00317	-.01263	.01129
SDev	.078	.00367	.00055	.00072	.00231
%RSD	.76083	69.347	17.261	5.6631	20.459
#1	10.199	.00944	-.00379	-.01309	.01384
#2	10.355	.00398	-.00273	-.01299	.01070
#3	10.270	.00246	-.00300	-.01180	.00934
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV4 Operator: CT
Run Time: 04/09/09 14:08:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25861	5.109	.51911	.51540	.51824	10.32	.52223
SDev	.00087	.015	.00336	.00158	.00207	.03	.00271
%RSD	.33666	.2875	.64783	.30695	.39875	.3068	.51863
#1	.25863	5.095	.51575	.51519	.51654	10.28	.51942
#2	.25773	5.109	.51912	.51393	.51764	10.33	.52243
#3	.25947	5.124	.52247	.51708	.52054	10.34	.52483
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52096	.52467	.51414	1.0482	10.86	10.26	.50930
SDev	.00263	.00140	.00124	.0020	.06	.05	.00187
%RSD	.50493	.26658	.24072	.18828	.5903	.4974	.36646
#1	.51826	.52310	.51360	1.0460	10.78	10.21	.50789
#2	.52109	.52512	.51327	1.0497	10.88	10.27	.50858
#3	.52352	.52578	.51556	1.0490	10.90	10.31	.51141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51893	9.898	.53671	.51953	.51567	.51945	.52468
SDev	.00432	.018	.00284	.00321	.00127	.00191	.00168
%RSD	.83150	.1797	.53007	.61840	.24568	.36821	.31970
#1	.51439	9.900	.53349	.51625	.51483	.51830	.52303
#2	.51941	9.879	.53779	.51968	.51504	.51840	.52464
#3	.52298	9.915	.53886	.52267	.51713	.52166	.52638
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51193	.52215	.52332	.52915	.52518	.51930	.53075
SDev	.00213	.00197	.00548	.00554	.00484	.00421	.00336
%RSD	.41533	.37728	1.0477	1.0469	.92105	.80977	.63354
#1	.51007	.52067	.51742	.52374	.52041	.51626	.53238
#2	.51146	.52138	.52430	.53481	.52507	.51755	.53300
#3	.51424	.52438	.52825	.52889	.53008	.52410	.52689
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.52834	.53058	.52249	.51448	.52296	
SDev	.00825	.00317	.00569	.00680	.00294	
%RSD	1.5623	.59821	1.0892	1.3213	.56279	
#1	.51942	.52777	.51673	.50751	.52137	
#2	.53571	.52995	.52264	.51485	.52114	
#3	.52989	.53402	.52811	.52109	.52635	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB4 Operator: CT
Run Time: 04/09/09 14:13:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00057	.0050	-.00126	-.00033	.00007	.0049	-.00029
SDev	.00063	.0037	.00052	.00016	.00009	.0047	.00016
%RSD	110.90	73.76	41.072	49.485	129.59	96.27	54.914
#1	.00065	.0092	-.00070	-.00014	.00017	.0099	-.00012
#2	-.00010	.0032	-.00137	-.00042	.00004	.0041	-.00031
#3	.00115	.0025	-.00172	-.00042	-.00001	.0006	-.00043

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00168	-.00130	-.00022	.00192	-.1784	-.0126	-.00025
SDev	.00036	.00042	.00015	.00149	.0211	.0049	.00014
%RSD	21.494	32.318	68.891	77.524	11.83	38.86	55.332
#1	-.00129	-.00085	-.00005	.00346	-.1547	-.0070	-.00010
#2	-.00173	-.00137	-.00033	.00179	-.1852	-.0146	-.00029
#3	-.00200	-.00168	-.00029	.00050	-.1952	-.0161	-.00037

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00046	-.0005	.00055	-.00253	-.00010	-.00075	.00044
SDev	.00161	.0028	.00017	.00130	.00012	.00021	.00044
%RSD	352.26	616.9	31.284	51.310	116.45	28.353	101.38
#1	.00225	.0026	.00036	-.00106	.00003	-.00051	.00045
#2	-.00085	-.0010	.00069	-.00301	-.00014	-.00082	-.00001
#3	-.00003	-.0030	.00060	-.00352	-.00020	-.00092	.00088

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	-.00052	-.00425	.00785	.00109	.00297	.00420
SDev	.00009	.00081	.00185	.00218	.00046	.00090	.00510
%RSD	1620.6	155.83	43.592	27.741	42.427	30.386	121.49
#1	.00010	.00040	-.00214	.01013	.00070	.00269	.00866
#2	-.00002	-.00112	-.00563	.00764	.00097	.00224	.00530
#3	-.00007	-.00083	-.00497	.00579	.00161	.00398	-.00136

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00968	-.00058	.00193	.00582	.00280
SDev	.00106	.00223	.00179	.00417	.00067
%RSD	10.956	385.74	92.785	71.643	23.944
#1	.01086	.00174	.00019	.00249	.00353
#2	.00882	-.00077	.00183	.00447	.00263
#3	.00935	-.00271	.00376	.01050	.00222

Method: KICAP Sample Name: 0904022-015A Operator: CT
Run Time: 04/09/09 14:16:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01862	49.37	.05039	2.4087	.00422	194.5	.01286
SDev	.00053	.41	.00081	.0211	.00004	1.7	.00019
%RSD	2.8603	.8360	1.6056	.87413	.92985	.8699	1.4429
#1	.01801	49.16	.04946	2.4036	.00418	193.5	.01265
#2	.01885	49.11	.05088	2.3908	.00421	193.5	.01290
#3	.01900	49.85	.05083	2.4319	.00426	196.5	.01302

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05408	.23768	1.3937	185.50	9.258	75.94	9.7187
SDev	.00073	.00222	.0122	1.66	.063	.66	.0797
%RSD	1.3547	.93585	.87243	.89617	.6849	.8629	.81959
#1	.05327	.23612	1.3899	184.51	9.206	75.48	9.6760
#2	.05428	.23669	1.3838	184.57	9.240	75.65	9.6694
#3	.05469	.24023	1.4073	187.42	9.329	76.69	9.8106

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02028	1.403	.25113	.78725	.51194	1.6560	.21713
SDev	.00032	.012	.00201	.00639	.00448	.0135	.00205
%RSD	1.5611	.8363	.79946	.81220	.87426	.81237	.94458
#1	.02047	1.396	.25014	.78204	.51040	1.6492	.21593
#2	.02047	1.397	.24981	.78531	.50844	1.6472	.21597
#3	.01992	1.417	.25344	.79439	.51698	1.6714	.21950

Elem	Zn2138	As1890	Tl1908	Pb ✓	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.2153	.24380	-.02053	310.82	.00837	3.7265	S14.675
SDev	.0554	.00301	.00258	2.90	.00133	.0350	.007
%RSD	.76818	1.2330	12.553	.93453	15.878	.93809	.04848
#1	7.1875	.24350	-.02350	309.61	.00696	3.6866	S14.682
#2	7.1793	.24096	-.01885	308.73	.00853	3.7412	S14.675
#3	7.2791	.24695	-.01925	314.14	.00960	3.7517	S14.668

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	S15.068	.01345	.00583	3.7081	3.7349
SDev	.010	.00413	.00317	.0518	.0259
%RSD	.06639	30.730	54.479	1.3961	.69451
#1	S15.079	.01256	.00417	3.6486	3.7056
#2	S15.065	.01796	.00383	3.7331	3.7445
#3	S15.060	.00984	.00949	3.7427	3.7547

Method: KICAP Sample Name: 0904022-016A Operator: CT
Run Time: 04/09/09 14:22:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	132.8	.06086	2.0565	.00804	216.5	.00761
SDev	.00065	.6	.00059	.0106	.00003	.9	.00004
%RSD	68.415	.4789	.96285	.51352	.35510	.4274	.54675
#1	.00147	132.8	.06125	2.0581	.00804	216.6	.00765
#2	.00022	133.5	.06114	2.0662	.00807	217.3	.00761
#3	.00118	132.3	.06019	2.0453	.00801	215.5	.00757

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09462	.22664	.38595	217.32	24.65	57.10	6.5957
SDev	.00026	.00114	.00207	1.03	.12	.23	.0293
%RSD	.27049	.50141	.53739	.47549	.5047	.3956	.44481
#1	.09469	.22713	.38678	217.42	24.73	57.15	6.6000
#2	.09484	.22746	.38748	218.30	24.72	57.29	6.6227
#3	.09434	.22535	.38359	216.24	24.51	56.85	6.5645

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00997	1.257	.24790	.04117	.63724	2.2448	.27481
SDev	.00064	.006	.00089	.00117	.00315	.0103	.00120
%RSD	6.4344	.4555	.35782	2.8415	.49472	.45956	.43860
#1	.00991	1.260	.24828	.03992	.63730	2.2451	.27504
#2	.00937	1.260	.24853	.04134	.64036	2.2550	.27588
#3	.01065	1.250	.24688	.04225	.63405	2.2344	.27350

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5175	.13871	-.02100	8.8717	.00650	.02289	8.2397
SDev	.0125	.00052	.00094	.0440	.00053	.00168	.0575
%RSD	.49556	.37249	4.4734	.49604	8.1596	7.3440	.69738
#1	2.5198	.13901	-.02045	8.8797	.00611	.02117	8.2662
#2	2.5287	.13900	-.02047	8.9112	.00710	.02453	8.2792
#3	2.5040	.13811	-.02209	8.8243	.00627	.02297	8.1738

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	8.1804	.00725	.00612	.01824	.02521
SDev	.0400	.00429	.00227	.00499	.00154
%RSD	.48875	59.148	37.096	27.375	6.1304
#1	8.1883	.01107	.00364	.01250	.02699
#2	8.1371	.00805	.00663	.02061	.02423
#3	8.2159	.00261	.00810	.02161	.02440

Method: KICAP Sample Name: 0904022-017A Operator: CT
Run Time: 04/09/09 14:25:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	90.20	.05195	.92204	.00589	244.3	.00275
SDev	.00067	.41	.00020	.00608	.00001	1.1	.00007
%RSD	505.09	.4586	.38133	.65954	.17913	.4463	2.5184
#1	.00090	89.81	.05211	.91610	.00588	243.2	.00283
#2	-.00035	90.15	.05200	.92176	.00589	244.4	.00272
#3	-.00015	90.63	.05173	.92826	.00589	245.4	.00270

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07710	.13391	.33788	258.70	18.47	50.46	4.2863
SDev	.00014	.00009	.00185	1.29	.01	.14	.0210
%RSD	.18513	.06665	.54640	.49695	.0295	.2768	.48961
#1	.07695	.13381	.33643	257.36	18.48	50.31	4.2647
#2	.07723	.13396	.33725	258.81	18.47	50.49	4.2876
#3	.07711	.13396	.33996	259.92	18.47	50.59	4.3066

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00832	.8817	.19156	.01810	.51233	2.1015	.21762
SDev	.00032	.0007	.00148	.00150	.00334	.0120	.00109
%RSD	3.8432	.0772	.77512	8.2900	.65195	.56966	.49882
#1	.00846	.8817	.19011	.01956	.50905	2.0897	.21681
#2	.00855	.8811	.19151	.01816	.51220	2.1010	.21721
#3	.00796	.8824	.19307	.01656	.51573	2.1137	.21886

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.69200	.07430	-.02827	36.275	.00592	.14809	34.290
SDev	.00365	.00074	.00115	.202	.00108	.00082	.140
%RSD	.52694	.99593	4.0533	.55580	18.253	.55720	.40717
#1	.68825	.07348	-.02696	36.098	.00472	.14807	34.449
#2	.69221	.07449	-.02911	36.232	.00682	.14727	34.187
#3	.69553	.07492	-.02872	36.494	.00622	.14892	34.235

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	34.258	.00671	.00552	.14383	.14996
SDev	.204	.00200	.00255	.00472	.00102
%RSD	.59404	29.776	46.108	3.2840	.68162
#1	34.094	.00897	.00260	.14043	.15113
#2	34.195	.00597	.00724	.14183	.14924
#3	34.486	.00519	.00673	.14922	.14952

Method: KICAP Sample Name: 0904022-018A Operator: CT
Run Time: 04/09/09 14:29:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	47.64	.25138	1.1152	.00386	38.18	.00039
SDev	.00055	.27	.00249	.0071	.00005	.32	.00012
%RSD	81.843	.5583	.99188	.63587	1.3369	.8443	29.880
#1	-.00126	47.68	.25085	1.1170	.00384	38.22	.00031
#2	-.00018	47.89	.25410	1.1212	.00391	38.49	.00053
#3	-.00056	47.36	.24920	1.1074	.00382	37.85	.00033

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01982	.03805	.09466	82.571	1.937	4.206	.42615
SDev	.00059	.00054	.00086	.654	.034	.041	.00356
%RSD	2.9797	1.4186	.91044	.79177	1.762	.9660	.83567
#1	.01958	.03786	.09419	82.512	1.923	4.206	.42671
#2	.02049	.03866	.09565	83.252	1.976	4.247	.42941
#3	.01938	.03763	.09413	81.948	1.912	4.165	.42235

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00607	3.753	.05208	.00445	1.8153	2.3834	.11669
SDev	.00108	.018	.00029	.00012	.0112	.0184	.00107
%RSD	17.821	.4761	.55511	2.6399	.61742	.77325	.91788
#1	.00540	3.758	.05239	.00452	1.8163	2.3842	.11616
#2	.00732	3.768	.05205	.00431	1.8260	2.4014	.11792
#3	.00549	3.733	.05181	.00451	1.8037	2.3646	.11599

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14066	.15777	-.01160	.28508	.00475	.00762	.28137
SDev	.00121	.00127	.00224	.01639	.00045	.00129	.00602
%RSD	.85720	.80448	19.340	5.7507	9.4070	16.906	2.1394
#1	.14071	.15647	-.01358	.30337	.00459	.00615	.28758
#2	.14184	.15900	-.00916	.28018	.00526	.00854	.28098
#3	.13943	.15785	-.01205	.27170	.00441	.00816	.27556

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.28694	.00959	.00233	.00150	.01092
SDev	.02165	.00209	.00112	.00255	.00065
%RSD	7.5438	21.830	47.959	169.68	5.9795
#1	.31125	.01168	.00105	-.00125	.01059
#2	.27978	.00960	.00308	.00378	.01167
#3	.26978	.00749	.00286	.00198	.01049

Method: KICAP Sample Name: 0904022-019A Operator: CT
Run Time: 04/09/09 14:32:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01214	82.92	.05576	1.7438	.00503	230.4	.01283
SDev	.00070	.33	.00090	.0090	.00004	1.2	.00004
%RSD	5.7392	.3940	1.6206	.51771	.83962	.5186	.31624
#1	.01239	83.26	.05647	1.7531	.00507	231.6	.01285
#2	.01267	82.90	.05606	1.7431	.00503	230.5	.01287
#3	.01135	82.61	.05474	1.7351	.00499	229.2	.01279

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07374	.24626	4.6024	193.80	20.26	47.85	4.5534
SDev	.00050	.00133	.0263	1.12	.10	.27	.0249
%RSD	.67888	.54017	.57170	.57828	.5096	.5620	.54708
#1	.07427	.24750	4.6302	194.89	20.37	48.11	4.5779
#2	.07367	.24641	4.5990	193.86	20.24	47.87	4.5542
#3	.07328	.24486	4.5779	192.65	20.17	47.57	4.5281

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01316	1.083	.24813	.18131	.72391	1.7426	.19400
SDev	.00020	.005	.00126	.00255	.00437	.0089	.00171
%RSD	1.5131	.4180	.50897	1.4059	.60340	.51062	.87935
#1	.01338	1.088	.24956	.18378	.72834	1.7511	.19553
#2	.01302	1.082	.24767	.18146	.72379	1.7433	.19431
#3	.01307	1.079	.24717	.17869	.71961	1.7333	.19216

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6053	.12004	-.01001	718.38	.00847	1.2836	S13.707
SDev	.0189	.00105	.00179	3.80	.00154	.0101	.007
%RSD	.52532	.87584	17.922	.52914	18.218	.78488	.05432
#1	3.6241	.12120	-.00804	722.38	.00673	1.2889	S13.705
#2	3.6055	.11974	-.01044	717.93	.00965	1.2899	S13.700
#3	3.5862	.11916	-.01155	714.82	.00905	1.2720	S13.715

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	S12.397	.01005	.00769	1.2875	1.2819
SDev	.068	.00138	.00208	.0155	.0183
%RSD	.54518	13.709	27.049	1.2052	1.4268
#1	S12.333	.00958	.00530	1.2699	1.2991
#2	S12.388	.01160	.00868	1.2991	1.2838
#3	S12.468	.00896	.00909	1.2935	1.2627

Method: KICAP Sample Name: 0904022-020A Operator: CT
Run Time: 04/09/09 14:36:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00299	116.0	.03347	1.7881	.00589	87.23	.00625
SDev	.00089	.5	.00074	.0101	.00002	.15	.00019
%RSD	29.652	.4501	2.2199	.56740	.28081	.1744	3.0952
#1	.00327	116.0	.03288	1.7906	.00589	87.21	.00616
#2	.00200	116.6	.03323	1.7968	.00588	87.39	.00611
#3	.00370	115.6	.03430	1.7770	.00591	87.09	.00647

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09178	.28406	1.0978	206.18	16.60	47.12	6.5320
SDev	.00083	.00065	.0057	.35	.03	.09	.0138
%RSD	.90635	.22897	.52168	.17065	.1704	.1843	.21157
#1	.09118	.28336	1.0991	205.97	16.57	47.03	6.5306
#2	.09143	.28421	1.1028	206.58	16.61	47.14	6.5465
#3	.09273	.28463	1.0916	205.98	16.63	47.20	6.5190

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01437	.5048	.28717	.03936	.33920	1.7659	.26389
SDev	.00124	.0014	.00038	.00217	.00161	.0061	.00010
%RSD	8.6019	.2760	.13299	5.5139	.47318	.34720	.03717
#1	.01398	.5035	.28684	.03793	.33967	1.7676	.26382
#2	.01338	.5046	.28708	.03829	.34051	1.7710	.26384
#3	.01576	.5062	.28758	.04186	.33741	1.7591	.26400

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5456	.09413	-.02326	22.801	.00974	.11635	21.774
SDev	.0069	.00085	.00247	.147	.00116	.00131	.096
%RSD	.27096	.90664	10.601	.64554	11.905	1.1267	.43973
#1	2.5456	.09370	-.02381	22.925	.00843	.11753	21.696
#2	2.5525	.09357	-.02541	22.840	.01064	.11494	21.746
#3	2.5387	.09511	-.02057	22.638	.01015	.11658	21.881

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	21.907	.01167	.00877	.11196	.11929
SDev	.078	.00619	.00138	.00571	.00199
%RSD	.35590	52.988	15.700	5.1040	1.6716
#1	21.991	.00456	.01036	.11827	.11717
#2	21.838	.01581	.00806	.10712	.11959
#3	21.891	.01465	.00790	.11049	.12112

Method: KICAP Sample Name: MB-9223 Operator: CT
Run Time: 04/09/09 14:55:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.0158	-.00188	-.00033	-.00004	.0433	-.00043
SDev	.00083	.0010	.00006	.00004	.00001	.0005	.00000
%RSD	448.30	6.579	3.2389	12.371	23.751	1.071	.92264
#1	-.00072	.0146	-.00184	-.00035	-.00004	.0429	-.00043
#2	-.00060	.0165	-.00184	-.00035	-.00003	.0438	-.00043
#3	.00077	.0164	-.00195	-.00028	-.00003	.0432	-.00043

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00196	-.00125	.00051	.01436	-.1883	.0035	.00011
SDev	.00011	.00016	.00031	.00056	.0100	.0011	.00002
%RSD	5.4709	12.834	60.226	3.9165	5.293	31.68	17.667
#1	-.00207	-.00140	.00086	.01377	-.1923	.0023	.00009
#2	-.00195	-.00126	.00038	.01442	-.1955	.0038	.00012
#3	-.00186	-.00108	.00029	.01489	-.1769	.0044	.00013

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00043	.0040	.00027	-.00296	-.00015	-.00061	.00008
SDev	.00052	.0002	.00038	.00040	.00001	.00010	.00056
%RSD	120.72	6.059	138.81	13.559	5.9627	16.623	677.08
#1	.00102	.0039	-.00006	-.00257	-.00016	-.00071	-.00022
#2	.00015	.0039	.00019	-.00337	-.00016	-.00061	-.00026
#3	.00011	.0043	.00069	-.00293	-.00014	-.00051	.00073

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00249	-.00020	-.00573	.00661	-.00009	.00107	.00833
SDev	.00010	.00082	.00038	.00018	.00083	.00071	.00434
%RSD	3.9473	407.68	6.6735	2.7892	905.30	66.559	52.107
#1	.00241	-.00083	-.00616	.00641	-.00008	.00037	.01155
#2	.00246	-.00051	-.00543	.00678	-.00093	.00179	.01005
#3	.00260	.00073	-.00561	.00664	.00074	.00105	.00340

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00575	-.00083	.00027	-.00166	.00268
SDev	.00226	.00632	.00415	.00524	.00337
%RSD	39.384	764.91	1508.7	316.28	125.75
#1	.00385	.00419	-.00222	-.00652	.00531
#2	.00515	.00125	-.00202	-.00234	.00385
#3	.00825	-.00793	.00506	.00389	-.00112

Method: KICAP Sample Name: LCS-9223 Operator: CT
Run Time: 04/09/09 14:58:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04752	.9489	.46432	.18945	.19498	9.563	.18879
SDev	.00032	.0050	.00296	.00102	.00114	.053	.00099
%RSD	.66518	.5254	.63779	.53976	.58407	.5531	.52441
#1	.04770	.9449	.46137	.18852	.19386	9.513	.18777
#2	.04716	.9545	.46730	.19054	.19614	9.618	.18975
#3	.04772	.9473	.46429	.18929	.19492	9.559	.18885

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18797	.19556	.19988	1.0029	9.385	9.467	.19614
SDev	.00110	.00126	.00074	.0056	.047	.054	.00108
%RSD	.58393	.64431	.37036	.56334	.4988	.5746	.54959
#1	.18672	.19432	.19913	.99730	9.336	9.410	.19511
#2	.18879	.19684	.20061	1.0086	9.430	9.518	.19726
#3	.18840	.19553	.19989	1.0027	9.390	9.473	.19606

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19183	9.014	.20134	.18587	.19259	.20425	.19910
SDev	.00139	.042	.00110	.00177	.00108	.00107	.00065
%RSD	.72662	.4613	.54696	.95246	.55992	.52295	.32599
#1	.19028	8.972	.20062	.18400	.19165	.20318	.19852
#2	.19224	9.056	.20261	.18752	.19377	.20532	.19980
#3	.19297	9.015	.20079	.18607	.19236	.20425	.19899

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19193	.19345	.18345	.19129	.18724	.20195	.19415
SDev	.00116	.00238	.00321	.00124	.00146	.00090	.00154
%RSD	.60423	1.2286	1.7520	.64983	.78201	.44646	.79418
#1	.19068	.19118	.17974	.19064	.18665	.20141	.19241
#2	.19298	.19592	.18512	.19050	.18617	.20145	.19465
#3	.19212	.19325	.18548	.19272	.18891	.20299	.19537

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.18986	.18757	.18708	.19875	.20254
SDev	.00148	.00323	.00078	.00370	.00027
%RSD	.78223	1.7197	.41490	1.8617	.13449
#1	.18975	.18726	.18635	.19851	.20285
#2	.18843	.18451	.18699	.19518	.20233
#3	.19140	.19094	.18790	.20257	.20245

Method: KICAP Sample Name: 0904022-021A Operator: CT
Run Time: 04/09/09 15:02:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	143.0	.03658	.89458	.00663	91.90	.00231
SDev	.00036	.7	.00054	.00409	.00005	.41	.00002
%RSD	99.560	.4890	1.4673	.45689	.70860	.4477	.70564
#1	-.00004	143.8	.03714	.89929	.00668	92.37	.00230
#2	.00048	142.5	.03607	.89258	.00661	91.66	.00229
#3	.00065	142.6	.03653	.89188	.00660	91.66	.00232

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08543	.20417	.17571	196.73	20.13	47.07	8.3393
SDev	.00044	.00101	.00103	.82	.09	.19	.0356
%RSD	.52060	.49372	.58819	.41750	.4448	.4028	.42720
#1	.08588	.20533	.17685	197.68	20.23	47.29	8.3804
#2	.08499	.20359	.17542	196.23	20.06	46.95	8.3192
#3	.08543	.20359	.17485	196.29	20.09	46.98	8.3182

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00586	.5821	.20173	.00631	.24805	1.5162	.24854
SDev	.00084	.0034	.00128	.00127	.00109	.0065	.00142
%RSD	14.285	.5929	.63527	20.055	.43953	.43173	.57222
#1	.00681	.5861	.20307	.00743	.24930	1.5237	.25018
#2	.00521	.5799	.20052	.00494	.24751	1.5133	.24772
#3	.00558	.5803	.20159	.00656	.24734	1.5116	.24771

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76515	.05200	-.02191	1.5054	.00598	.02193	1.5096
SDev	.00333	.00061	.00119	.0185	.00105	.00034	.0063
%RSD	.43490	1.1802	5.4159	1.2275	17.488	1.5467	.41916
#1	.76899	.05270	-.02070	1.4842	.00488	.02154	1.5025
#2	.76305	.05177	-.02307	1.5141	.00697	.02218	1.5113
#3	.76342	.05154	-.02196	1.5179	.00609	.02206	1.5148

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.5033	.01066	.00364	.01522	.02603
SDev	.0246	.00210	.00159	.00380	.00085
%RSD	1.6365	19.708	43.729	24.997	3.2836
#1	1.4750	.01095	.00186	.01147	.02657
#2	1.5155	.01261	.00415	.01510	.02647
#3	1.5194	.00844	.00492	.01908	.02504

Method: KICAP Sample Name: 0904022-022A Operator: CT
Run Time: 04/09/09 15:06:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	108.1	.02210	.62934	.00593	17.82	.00256
SDev	.00051	.7	.00066	.00378	.00005	.13	.00006
%RSD	169.82	.6782	2.9750	.60007	.88093	.7437	2.3551
#1	.00029	107.3	.02167	.62503	.00587	17.68	.00260
#2	-.00063	108.4	.02178	.63090	.00593	17.83	.00249
#3	-.00056	108.6	.02286	.63208	.00598	17.94	.00259

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06459	.14860	.16835	232.56	11.74	28.39	2.8158
SDev	.00093	.00121	.00099	1.88	.09	.22	.0189
%RSD	1.4411	.81157	.58576	.80687	.7549	.7780	.66972
#1	.06373	.14734	.16721	230.52	11.63	28.16	2.7954
#2	.06447	.14873	.16896	232.93	11.77	28.42	2.8196
#3	.06558	.14974	.16887	234.22	11.80	28.59	2.8325

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00837	.5789	.15152	.00641	.25192	1.4141	.25770
SDev	.00087	.0037	.00075	.00118	.00159	.0090	.00132
%RSD	10.375	.6465	.49671	18.388	.63078	.63805	.51075
#1	.00741	.5747	.15070	.00537	.25012	1.4039	.25620
#2	.00910	.5801	.15169	.00617	.25253	1.4174	.25819
#3	.00859	.5818	.15218	.00769	.25312	1.4210	.25869

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96779	.05979	-.02052	9.5586	.00932	.02678	9.2504
SDev	.00666	.00089	.00212	.0744	.00023	.00042	.0612
%RSD	.68760	1.4804	10.341	.77886	2.4622	1.5778	.66136
#1	.96047	.05905	-.02288	9.4742	.00906	.02720	9.1821
#2	.96943	.06077	-.01990	9.5866	.00944	.02636	9.3001
#3	.97348	.05955	-.01877	9.6149	.00947	.02677	9.2691

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.1975	.00956	.00920	.01951	.03040
SDev	.0905	.00217	.00102	.00346	.00119
%RSD	.98398	22.697	11.028	17.727	3.9092
#1	9.1144	.00856	.00931	.02179	.02990
#2	9.1842	.01205	.00814	.01553	.03176
#3	9.2940	.00808	.01016	.02120	.02955

Method: KICAP Sample Name: CCVH5 Operator: CT
Run Time: 04/09/09 15:10:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.0770	.00038	.00026	.00008	48.86	-.00010
SDev	.00047	.0523	.00021	.00033	.00000	.08	.00006
%RSD	288.34	67.95	56.115	128.90	.20307	.1554	65.141
#1	-.00006	.1358	.00061	.00063	.00008	48.79	-.00003
#2	-.00015	.0597	.00034	.00014	.00008	48.94	-.00016
#3	.00070	.0355	.00019	-.00000	.00008	48.85	-.00010
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00067	4.9999	-.00021	10.261	-.0839	.0206	.00174
SDev	.00022	.0044	.00024	.098	.0083	.0163	.00160
%RSD	32.408	.08737	116.83	.95928	9.881	79.00	91.719
#1	-.00063	4.9950	.00003	10.368	-.0752	.0388	.00353
#2	-.00090	5.0035	-.00021	10.239	-.0917	.0154	.00125
#3	-.00047	5.0012	-.00045	10.175	-.0849	.0075	.00045
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	49.10	.00030	-.00011	.00067	.00100	.00024
SDev	.00076	.14	.00034	.00064	.00013	.00079	.00030
%RSD	174.39	.2786	114.29	580.73	18.989	78.759	123.09
#1	.00129	49.08	.00019	.00015	.00081	.00190	.00015
#2	-.00017	49.24	.00003	-.00084	.00064	.00062	.00000
#3	.00019	48.97	.00069	.00036	.00056	.00047	.00057
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00299	-.00106	-.00251	10.137	-.00059	-.00330	10.010
SDev	.00046	.00053	.00052	.020	.00070	.00225	.046
%RSD	15.318	49.458	20.753	.20210	117.85	68.071	.46116
#1	.00350	-.00114	-.00309	10.117	-.00100	-.00238	9.9577
#2	.00284	-.00051	-.00208	10.158	.00021	-.00586	10.025
#3	.00262	-.00155	-.00237	10.135	-.00099	-.00166	10.046
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.9307	-.00022	-.00078	-.01421	.00189
SDev	.0692	.00334	.00096	.00218	.00137
%RSD	.69717	1488.4	123.70	15.362	72.150
#1	9.9259	-.00010	-.00146	-.01252	.00118
#2	10.002	.00306	-.00120	-.01667	.00103
#3	9.8639	-.00363	.00032	-.01343	.00347
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV5 Operator: CT
Run Time: 04/09/09 15:13:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25073	4.948	.49929	.49924	.49877	9.984	.50135
SDev	.00127	.028	.00385	.00325	.00301	.053	.00319
%RSD	.50485	.5601	.77196	.65058	.60298	.5274	.63674
#1	.24962	4.928	.49611	.49598	.49715	9.982	.50050
#2	.25047	4.936	.49819	.49927	.49692	9.932	.49866
#3	.25211	4.980	.50358	.50248	.50224	10.04	.50488
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49996	.50511	.49745	1.0209	10.53	9.894	.49178
SDev	.00334	.00275	.00381	.0047	.08	.069	.00286
%RSD	.66783	.54355	.76698	.45856	.7358	.7017	.58153
#1	.49934	.50559	.49388	1.0261	10.55	9.887	.49013
#2	.49697	.50216	.49699	1.0170	10.44	9.828	.49014
#3	.50356	.50759	.50147	1.0197	10.59	9.967	.49508
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50111	9.681	.51716	.49642	.50033	.50071	.50690
SDev	.00364	.035	.00371	.00427	.00320	.00310	.00305
%RSD	.72567	.3647	.71711	.86031	.63977	.61985	.60119
#1	.49826	9.669	.51595	.49710	.49716	.49884	.50484
#2	.49986	9.653	.51421	.49185	.50026	.49900	.50545
#3	.50521	9.721	.52132	.50032	.50356	.50430	.51040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49332	.50210	.49828	.49376	.50213	.49705	.49501
SDev	.00308	.00430	.00696	.00534	.00365	.00127	.00751
%RSD	.62486	.85628	1.3971	1.0811	.72755	.25559	1.5161
#1	.49133	.50080	.49693	.49950	.50173	.49815	.49985
#2	.49177	.49860	.49209	.48894	.49868	.49566	.48636
#3	.49687	.50690	.50581	.49283	.50596	.49733	.49880
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.49313	.50383	.50128	.48868	.50147	
SDev	.00536	.00805	.00156	.00147	.00259	
%RSD	1.0870	1.5977	.31085	.29991	.51734	
#1	.49932	.50405	.50058	.49033	.50206	
#2	.49023	.49567	.50019	.48820	.49863	
#3	.48985	.51176	.50306	.48752	.50372	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB5 Operator: CT
Run Time: 04/09/09 15:17:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.0170	.00086	.00002	.00018	.0053	.00008
SDev	.00037	.0011	.00069	.00011	.00014	.0033	.00012
%RSD	306.11	6.264	80.739	458.60	77.348	62.56	141.07
#1	-.00001	.0158	.00157	.00014	.00034	.0087	.00021
#2	-.00053	.0176	.00083	-.00000	.00013	.0054	.00005
#3	.00018	.0176	.00018	-.00007	.00007	.0020	-.00001

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00021	-.00008	-.00013	.00544	-.0817	-.0000	.00013
SDev	.00012	.00014	.00011	.00141	.0070	.0026	.00013
%RSD	56.977	171.91	86.679	25.866	8.510	11050.	103.59
#1	-.00015	-.00000	-.00019	.00516	-.0898	.0028	.00024
#2	-.00013	-.00000	-.00019	.00696	-.0772	-.0004	.00015
#3	-.00034	-.00025	.00000	.00419	-.0783	-.0024	-.00002

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00180	.0028	.00047	-.00098	.00007	-.00014	.00014
SDev	.00071	.0017	.00017	.00019	.00013	.00021	.00030
%RSD	39.713	60.02	36.758	19.128	178.48	151.25	206.68
#1	.00262	.0047	.00028	-.00109	.00022	.00010	.00049
#2	.00143	.0025	.00061	-.00077	.00003	-.00026	-.00005
#3	.00134	.0013	.00052	-.00109	-.00003	-.00025	-.00001

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	-.00050	-.00009	.00178	.00027	.00126	.00284
SDev	.00018	.00009	.00172	.00022	.00177	.00091	.00280
%RSD	131.22	17.776	1885.3	12.410	653.10	72.167	98.788
#1	.00005	-.00058	.00189	.00174	.00226	.00222	-.00033
#2	-.00016	-.00052	-.00090	.00158	-.00035	.00112	.00382
#3	-.00031	-.00040	-.00126	.00202	-.00110	.00042	.00501

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00125	.00230	-.00074	-.00136	.00206
SDev	.00131	.00163	.00326	.00305	.00104
%RSD	104.61	70.766	438.84	224.69	50.706
#1	.00277	.00134	.00273	.00196	.00085
#2	.00047	.00138	-.00121	-.00198	.00267
#3	.00053	.00418	-.00374	-.00405	.00266

Method: KICAP Sample Name: 0904022-023A Operator: CT
Run Time: 04/09/09 15:20:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	80.42	.03112	.58275	.00503	560.3	.00226
SDev	.00091	.34	.00063	.00248	.00004	2.8	.00006
%RSD	267.45	.4277	2.0182	.42545	.86333	.5021	2.5376
#1	-.00138	80.72	.03182	.58482	.00508	563.2	.00230
#2	.00011	80.49	.03096	.58343	.00503	560.2	.00219
#3	.00025	80.04	.03059	.58001	.00500	557.6	.00229

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05271	.09565	.16718	150.00	12.12	24.35	2.7976
SDev	.00075	.00085	.00094	.90	.08	.15	.0151
%RSD	1.4289	.88455	.56221	.59857	.6730	.6257	.54002
#1	.05354	.09655	.16809	150.91	12.21	24.51	2.8126
#2	.05252	.09552	.16725	149.99	12.10	24.33	2.7977
#3	.05208	.09488	.16621	149.11	12.05	24.21	2.7824

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00525	.7520	.36843	.01136	.66943	1.1741	.19778
SDev	.00087	.0039	.00306	.00155	.00298	.0057	.00065
%RSD	16.662	.5172	.82940	13.652	.44561	.48673	.32950
#1	.00618	.7563	.37151	.01268	.67209	1.1796	.19835
#2	.00513	.7511	.36838	.01174	.67000	1.1746	.19791
#3	.00444	.7486	.36540	.00965	.66620	1.1682	.19707

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.63737	.04181	-.01432	3.3104	.00391	.03733	3.3250
SDev	.00349	.00042	.00125	.0169	.00112	.00168	.0099
%RSD	.54816	1.0091	8.7370	.50906	28.615	4.4896	.29821
#1	.64079	.04140	-.01294	3.2915	.00263	.03546	3.3361
#2	.63751	.04224	-.01538	3.3160	.00472	.03784	3.3172
#3	.63381	.04179	-.01463	3.3238	.00437	.03870	3.3215

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.3031	.00736	.00219	.03091	.04054
SDev	.0298	.00394	.00337	.00710	.00192
%RSD	.90208	53.559	154.36	22.966	4.7341
#1	3.2692	.01105	-.00157	.02273	.04257
#2	3.3153	.00780	.00318	.03451	.03875
#3	3.3249	.00321	.00495	.03549	.04030

Method: KICAP Sample Name: 0904022-024A Operator: CT
Run Time: 04/09/09 15:24:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00511	60.82	.06034	5.6047	.00362	389.4	.02148
SDev	.00044	.47	.00092	.0355	.00004	2.8	.00022
%RSD	8.6408	.7738	1.5293	.63394	1.1017	.7281	1.0404
#1	.00502	60.56	.05970	5.5944	.00360	388.1	.02131
#2	.00559	60.54	.05992	5.5754	.00360	387.4	.02139
#3	.00472	61.36	.06140	5.6442	.00366	392.6	.02173

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05566	.28026	.38631	129.22	11.61	156.7	4.2365
SDev	.00064	.00262	.00283	1.03	.06	1.3	.0317
%RSD	1.1564	.93523	.73149	.79933	.5388	.8423	.74811
#1	.05525	.27920	.38449	128.67	11.59	156.0	4.2221
#2	.05532	.27833	.38487	128.57	11.56	155.8	4.2146
#3	.05640	.28325	.38957	130.41	11.68	158.2	4.2729

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00801	1.495	.13919	.07103	.93647	1.2473	.16726
SDev	.00062	.008	.00074	.00180	.00654	.0095	.00089
%RSD	7.7657	.5396	.53361	2.5388	.69862	.76063	.53235
#1	.00822	1.493	.13842	.06908	.93386	1.2424	.16664
#2	.00731	1.488	.13925	.07137	.93164	1.2413	.16685
#3	.00849	1.504	.13991	.07263	.94392	1.2582	.16828

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.6365	.08106	-.01776	5.9665	.01011	.00503	6.0103
SDev	.0529	.00055	.00133	.0561	.00011	.00258	.0232
%RSD	.69213	.68133	7.5092	.94005	1.0566	51.358	.38530
#1	7.6145	.08094	-.01828	5.9203	.01021	.00761	5.9858
#2	7.5982	.08058	-.01877	6.0289	.01013	.00245	6.0134
#3	7.6968	.08167	-.01625	5.9503	.01000	.00502	6.0318

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.9446	.01593	.00721	-.00399	.00928
SDev	.0805	.00227	.00129	.00616	.00324
%RSD	1.3536	14.241	17.917	154.55	34.887
#1	5.8876	.01369	.00848	.00199	.00892
#2	6.0367	.01588	.00726	-.00363	.00624
#3	5.9096	.01822	.00590	-.01032	.01268

Method: KICAP Sample Name: 0904022-026A Operator: CT
Run Time: 04/09/09 15:27:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	118.0	.05845	.94043	.00588	417.5	.00716
SDev	.00065	.0	.00015	.00142	.00001	.3	.00005
%RSD	1169.3	.0275	.26180	.15082	.21206	.0803	.71152
#1	-.00076	118.0	.05861	.94206	.00587	417.3	.00712
#2	.00053	118.0	.05846	.93975	.00589	417.8	.00722
#3	.00006	118.0	.05830	.93947	.00589	417.3	.00715

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09458	.49133	.27031	201.92	30.55	166.1	6.2401
SDev	.00033	.00085	.00044	.25	.05	.2	.0045
%RSD	.34857	.17237	.16245	.12165	.1760	.1486	.07224
#1	.09448	.49042	.26986	201.67	30.57	165.9	6.2362
#2	.09494	.49210	.27074	202.16	30.58	166.4	6.2450
#3	.09431	.49145	.27035	201.95	30.49	166.0	6.2390

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00350	4.088	.22237	.02008	.54900	1.6572	.23120
SDev	.00101	.006	.00084	.00070	.00006	.0007	.00020
%RSD	28.854	.1564	.37716	3.4755	.01063	.04306	.08864
#1	.00272	4.095	.22147	.01992	.54894	1.6574	.23096
#2	.00464	4.087	.22312	.02084	.54900	1.6578	.23135
#3	.00314	4.083	.22254	.01948	.54906	1.6564	.23128

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1617	.04393	-.01965	1.6513	.00004	.00804	1.6598
SDev	.0019	.00063	.00100	.0209	.00084	.00080	.0034
%RSD	.06166	1.4220	5.0844	1.2686	1881.7	9.9316	.20338
#1	3.1629	.04447	-.02045	1.6273	.00039	.00721	1.6595
#2	3.1629	.04325	-.01853	1.6609	-.00092	.00880	1.6565
#3	3.1595	.04407	-.01998	1.6658	.00066	.00813	1.6633

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.6471	.00375	-.00180	.00145	.01109
SDev	.0312	.00057	.00113	.00147	.00026
%RSD	1.8914	15.301	62.811	102.08	2.3137
#1	1.6112	.00439	-.00160	-.00025	.01093
#2	1.6631	.00330	-.00302	.00211	.01138
#3	1.6670	.00355	-.00078	.00247	.01095

Method: KICAP Sample Name: 0904022-027A Operator: CT
Run Time: 04/09/09 15:31:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00145	130.7	.06541	1.1890	.00639	557.9	.00464
SDev	.00089	.3	.00035	.0018	.00002	1.4	.00003
%RSD	61.250	.2206	.52949	.14824	.36259	.2538	.74635
#1	-.00043	130.9	.06529	1.1902	.00640	559.2	.00463
#2	-.00189	130.8	.06579	1.1899	.00640	558.1	.00461
#3	-.00202	130.3	.06513	1.1870	.00636	556.4	.00468

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08419	.31010	.26253	224.28	39.45	166.0	4.6190
SDev	.00032	.00080	.00022	.61	.14	.5	.0117
%RSD	.37689	.25623	.08322	.27088	.3662	.3129	.25275
#1	.08448	.31091	.26277	224.83	39.60	166.5	4.6298
#2	.08424	.31009	.26247	224.37	39.44	166.1	4.6205
#3	.08385	.30932	.26235	223.63	39.31	165.5	4.6066

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00583	1.360	.24496	.01482	.68850	1.9365	.26896
SDev	.00162	.005	.00116	.00128	.00139	.0037	.00103
%RSD	27.854	.3542	.47192	8.6064	.20170	.19173	.38487
#1	.00424	1.365	.24614	.01629	.68958	1.9393	.26970
#2	.00575	1.360	.24490	.01421	.68900	1.9379	.26939
#3	.00749	1.355	.24383	.01397	.68693	1.9323	.26778

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4877	.04853	-.02269	.47716	.00009	.00414	.47956
SDev	.0040	.00054	.00141	.00228	.00093	.00142	.00588
%RSD	.27053	1.1050	6.1969	.47776	976.29	34.399	1.2267
#1	1.4909	.04832	-.02130	.47976	.00082	.00262	.47622
#2	1.4892	.04913	-.02268	.47547	-.00095	.00545	.47611
#3	1.4832	.04812	-.02411	.47627	.00042	.00435	.48636

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.47597	.00400	-.00186	-.00315	.00753
SDev	.00519	.00559	.00288	.00991	.00498
%RSD	1.0908	139.53	155.14	314.15	66.074
#1	.48152	.00011	.00117	.00470	.00308
#2	.47514	.00149	-.00217	.00013	.00660
#3	.47124	.01041	-.00457	-.01429	.01291

Method: KICAP Sample Name: 0904022-028A Operator: CT
Run Time: 04/09/09 15:34:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00380	73.35	.04291	.77021	.00416	315.9	.02453
SDev	.00032	.40	.00026	.00294	.00001	1.1	.00016
%RSD	8.3416	.5462	.60532	.38213	.12170	.3399	.64780
#1	.00346	72.96	.04280	.76741	.00416	314.9	.02440
#2	.00386	73.34	.04272	.76993	.00416	315.6	.02448
#3	.00409	73.76	.04321	.77328	.00417	317.1	.02470

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05486	.46405	.44030	190.19	16.62	83.89	6.5848
SDev	.00015	.00178	.00183	.75	.06	.30	.0243
%RSD	.28083	.38264	.41618	.39185	.3643	.3597	.36901
#1	.05473	.46274	.43829	189.49	16.59	83.64	6.5617
#2	.05482	.46333	.44074	190.09	16.58	83.80	6.5826
#3	.05503	.46607	.44187	190.97	16.69	84.23	6.6101

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02266	.9249	.19511	.12422	.45405	1.1996	.16972
SDev	.00066	.0042	.00100	.00141	.00153	.0039	.00041
%RSD	2.9234	.4512	.51080	1.1328	.33703	.32540	.24360
#1	.02201	.9218	.19434	.12274	.45262	1.1955	.16930
#2	.02264	.9233	.19475	.12439	.45386	1.2001	.16972
#3	.02333	.9297	.19624	.12554	.45566	1.2033	.17013

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.7336	.04462	-.02387	1.9536	.00222	.00502	1.9572
SDev	.0209	.00032	.00081	.0108	.00042	.00117	.0120
%RSD	.36504	.72378	3.3933	.55190	19.089	23.213	.61287
#1	5.7138	.04472	-.02349	1.9425	.00178	.00369	1.9447
#2	5.7317	.04426	-.02480	1.9640	.00263	.00589	1.9583
#3	5.7555	.04488	-.02331	1.9545	.00224	.00547	1.9687

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.9519	.00673	-.00004	-.00113	.00834
SDev	.0133	.00233	.00083	.00233	.00147
%RSD	.68332	34.654	2205.1	205.29	17.584
#1	1.9414	.00585	-.00025	-.00017	.00712
#2	1.9669	.00938	-.00074	-.00379	.00997
#3	1.9474	.00497	.00087	.00056	.00793

Method: KICAP Sample Name: 0904022-029A Operator: CT
Run Time: 04/09/09 15:38:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01291	55.72	.04079	.66429	.00469	155.3	.06322
SDev	.00047	.16	.00004	.00011	.00001	.1	.00005
%RSD	3.6468	.2859	.10904	.01605	.25557	.0545	.08231
#1	.01302	55.55	.04074	.66420	.00467	155.2	.06316
#2	.01239	55.78	.04083	.66441	.00469	155.3	.06325
#3	.01332	55.85	.04080	.66427	.00469	155.4	.06323

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03756	.70229	.69168	261.31	8.247	25.35	13.241
SDev	.00011	.00154	.00066	.47	.032	.03	.015
%RSD	.29334	.21962	.09504	.17834	.3861	.1045	.11125
#1	.03760	.70063	.69095	260.78	8.245	25.32	13.225
#2	.03744	.70368	.69222	261.51	8.217	25.35	13.249
#3	.03765	.70256	.69189	261.64	8.280	25.37	13.251

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06848	.9566	.22936	.36052	.35341	1.3164	.15326
SDev	.00065	.0024	.00013	.00175	.00027	.0015	.00033
%RSD	.94888	.2547	.05486	.48618	.07710	.11391	.21573
#1	.06804	.9567	.22933	.35852	.35314	1.3147	.15294
#2	.06818	.9541	.22925	.36127	.35368	1.3175	.15324
#3	.06923	.9590	.22949	.36178	.35341	1.3169	.15360

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.487	.05688	-.03295	5.2539	.00650	.01210	5.2665
SDev	.005	.00029	.00113	.0382	.00081	.00086	.0411
%RSD	.04648	.51148	3.4305	.72772	12.420	7.1478	.78059
#1	11.481	.05711	-.03422	5.2143	.00643	.01287	5.2292
#2	11.491	.05656	-.03258	5.2568	.00734	.01116	5.2597
#3	11.489	.05698	-.03205	5.2906	.00573	.01226	5.3106

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.2477	.00944	.00503	.00275	.01701
SDev	.0375	.00586	.00311	.00433	.00137
%RSD	.71446	62.008	61.957	157.30	8.0839
#1	5.2069	.00268	.00830	.00750	.01554
#2	5.2554	.01265	.00468	-.00098	.01722
#3	5.2807	.01300	.00210	.00174	.01827

Method: KICAP Sample Name: 0904022-030A Operator: CT
Run Time: 04/09/09 15:41:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00149	278.1	.37311	2.4026	.04275	1466.	.01065
SDev	.00021	.7	.00082	.0072	.00005	2.	.00003
%RSD	13.944	.2574	.21928	.29992	.11090	.1578	.31704
#1	-.00126	278.7	.37290	2.4093	.04277	1466.	.01061
#2	-.00156	277.3	.37241	2.3950	.04270	1463.	.01066
#3	-.00166	278.3	.37401	2.4036	.04279	1468.	.01068

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04916	.30100	.29292	125.76	34.89	155.1	23.594
SDev	.00032	.00067	.00090	.18	.06	.2	.035
%RSD	.64987	.22198	.30655	.14182	.1775	.1389	.14868
#1	.04880	.30073	.29357	125.74	34.96	155.1	23.608
#2	.04937	.30051	.29189	125.58	34.84	154.9	23.554
#3	.04933	.30176	.29329	125.94	34.88	155.3	23.620

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00362	9.346	.19438	.04378	1.8724	9.5025	.18164
SDev	.00134	.021	.00058	.00125	.0041	.0170	.00021
%RSD	36.932	.2260	.29641	2.8504	.21786	.17934	.11327
#1	.00475	9.370	.19443	.04357	1.8752	9.5154	.18180
#2	.00397	9.334	.19378	.04512	1.8677	9.4832	.18141
#3	.00214	9.332	.19493	.04265	1.8743	9.5088	.18172

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2370	.04140	-.00366	2.0504	.01639	.01032	2.0644
SDev	.0041	.00051	.00262	.0080	.00213	.00034	.0040
%RSD	.33253	1.2348	71.559	.39116	13.002	3.2601	.19226
#1	1.2415	.04114	-.00640	2.0420	.01424	.01024	2.0674
#2	1.2335	.04106	-.00341	2.0580	.01643	.01004	2.0659
#3	1.2360	.04198	-.00118	2.0513	.01851	.01069	2.0599

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.0435	.02342	.01289	.00302	.01397
SDev	.0127	.00077	.00295	.00430	.00138
%RSD	.62297	3.2775	22.882	142.48	9.8822
#1	2.0293	.02321	.00977	-.00188	.01554
#2	2.0540	.02277	.01327	.00475	.01342
#3	2.0470	.02427	.01563	.00619	.01294

Method: KICAP Sample Name: 0904022-031A Operator: CT
Run Time: 04/09/09 15:45:29
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	251.9	.30023	1.7970	.03729	1545.	.00644
SDev	.00036	1.2	.00133	.0079	.00014	7.	.00008
%RSD	105.92	.4733	.44280	.44020	.38245	.4295	1.2091
#1	-.00018	251.0	.29997	1.7932	.03725	1543.	.00645
#2	-.00008	253.2	.30167	1.8061	.03745	1552.	.00651
#3	-.00074	251.4	.29905	1.7918	.03718	1539.	.00636

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04308	.32631	.23528	86.111	34.17	159.3	22.527
SDev	.00033	.00120	.00086	.365	.21	.7	.088
%RSD	.77152	.36613	.36623	.42404	.6274	.4367	.38850
#1	.04321	.32600	.23491	86.012	34.12	159.1	22.504
#2	.04332	.32763	.23627	86.516	34.41	160.1	22.623
#3	.04270	.32530	.23466	85.806	33.99	158.7	22.453

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00158	9.579	.14079	.05268	1.6517	9.6158	.11489
SDev	.00035	.043	.00054	.00094	.0073	.0409	.00065
%RSD	22.120	.4540	.38441	1.7945	.44072	.42549	.56545
#1	.00150	9.553	.14052	.05368	1.6493	9.5972	.11451
#2	.00127	9.630	.14141	.05180	1.6599	9.6627	.11564
#3	.00196	9.556	.14043	.05257	1.6459	9.5874	.11452

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.89361	.04589	-.00084	2.0352	.01697	.01944	2.0489
SDev	.00412	.00053	.00177	.0058	.00047	.00033	.0109
%RSD	.46133	1.1617	210.21	.28468	2.7481	1.6978	.53295
#1	.89205	.04529	.00073	2.0300	.01714	.01981	2.0579
#2	.89828	.04632	-.00050	2.0415	.01733	.01932	2.0521
#3	.89049	.04605	-.00276	2.0340	.01644	.01919	2.0368

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.0283	.02668	.01212	.01230	.02250
SDev	.0107	.00265	.00139	.00491	.00285
%RSD	.52680	9.9403	11.432	39.929	12.661
#1	2.0161	.02971	.01086	.00668	.02562
#2	2.0361	.02479	.01360	.01575	.02185
#3	2.0326	.02554	.01191	.01449	.02004

Method: KICAP Sample Name: 0904022-032A Operator: CT
Run Time: 04/09/09 15:49:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00060	148.1	.04913	1.2194	.00798	560.8	.00376
SDev	.00026	.4	.00015	.0027	.00002	1.1	.00004
%RSD	43.781	.2576	.31339	.21811	.19153	.2030	1.0994
#1	-.00090	147.7	.04915	1.2171	.00796	559.6	.00372
#2	-.00039	148.4	.04927	1.2223	.00799	561.9	.00375
#3	-.00051	148.2	.04896	1.2189	.00798	560.9	.00380

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09899	.30050	.28825	217.32	45.83	304.2	5.1163
SDev	.00057	.00094	.00045	.70	.13	.9	.0095
%RSD	.58021	.31267	.15683	.32102	.2765	.3065	.18506
#1	.09833	.29941	.28773	216.52	45.70	303.1	5.1062
#2	.09931	.30102	.28849	217.79	45.95	304.8	5.1250
#3	.09933	.30106	.28853	217.66	45.85	304.6	5.1178

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00344	1.258	.22498	.01351	.35949	1.6716	.27429
SDev	.00049	.002	.00013	.00040	.00065	.0024	.00119
%RSD	14.336	.1340	.05687	2.9980	.18091	.14475	.43395
#1	.00365	1.257	.22512	.01334	.35897	1.6697	.27295
#2	.00287	1.260	.22495	.01397	.36022	1.6744	.27524
#3	.00379	1.257	.22487	.01321	.35928	1.6709	.27467

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1858	.06453	-.01885	.85809	.00087	.00279	.86414
SDev	.0029	.00090	.00062	.00380	.00091	.00094	.00138
%RSD	.24439	1.3994	3.3031	.44333	104.84	33.652	.15979
#1	1.1825	.06513	-.01954	.85404	-.00001	.00308	.86300
#2	1.1881	.06349	-.01866	.85864	.00181	.00175	.86375
#3	1.1867	.06497	-.01834	.86159	.00080	.00356	.86568

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.85507	.00668	-.00204	-.00665	.00726
SDev	.00507	.00214	.00050	.00128	.00238
%RSD	.59275	31.980	24.703	19.306	32.754
#1	.84957	.00429	-.00215	-.00678	.00874
#2	.85609	.00840	-.00149	-.00531	.00452
#3	.85955	.00736	-.00247	-.00786	.00852

Method: KICAP Sample Name: 0904022-032AMS Operator: CT
Run Time: 04/09/09 15:52:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09890	150.9	.96987	1.4980	.39511	441.0	.36369
SDev	.00038	.3	.00249	.0062	.00127	1.1	.00080
%RSD	.37974	.1958	.25641	.41188	.32038	.2582	.21977
#1	.09893	151.0	.96970	1.5016	.39580	441.5	.36400
#2	.09926	151.1	.97245	1.5015	.39588	441.9	.36429
#3	.09851	150.5	.96748	1.4909	.39365	439.7	.36278

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46117	.65582	.70160	203.45	92.46	232.3	5.1864
SDev	.00093	.00161	.00268	.56	.28	.5	.0149
%RSD	.20269	.24626	.38192	.27432	.3010	.2082	.28687
#1	.46144	.65613	.70322	203.71	92.31	232.4	5.1935
#2	.46194	.65725	.70308	203.84	92.78	232.7	5.1964
#3	.46013	.65407	.69851	202.81	92.29	231.7	5.1693

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36964	21.98	.58747	.36869	.73136	2.1954	.65942
SDev	.00170	.04	.00157	.00227	.00291	.0072	.00208
%RSD	.46083	.1689	.26755	.61591	.39734	.32757	.31571
#1	.37084	21.95	.58736	.36768	.73280	2.1991	.66001
#2	.37038	21.96	.58909	.37129	.73326	2.1999	.66114
#3	.36769	22.02	.58596	.36710	.72801	2.1871	.65711

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4323	.45280	.35994	1.2964	.37734	.14559	1.3046
SDev	.0052	.00214	.00271	.0055	.00433	.00054	.0032
%RSD	.36510	.47352	.75301	.42253	1.1481	.37197	.24601
#1	1.4347	.45385	.35682	1.2902	.37236	.14497	1.3082
#2	1.4359	.45422	.36174	1.2987	.38023	.14593	1.3036
#3	1.4263	.45033	.36125	1.3004	.37944	.14588	1.3021

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.2924	.38402	.37401	.13604	.14936
SDev	.0098	.00366	.00821	.00761	.00318
%RSD	.75914	.95381	2.1941	5.5934	2.1290
#1	1.2812	.38804	.36453	.12731	.15303
#2	1.2963	.38315	.37877	.14126	.14751
#3	1.2996	.38088	.37872	.13955	.14754

Method: KICAP Sample Name: CCVH6 Operator: CT
Run Time: 04/09/09 15:56:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00054	.0978	.00268	.00070	.00028	48.69	.00003
SDev	.00049	.0917	.00217	.00098	.00024	.16	.00030
%RSD	91.224	93.77	81.009	140.01	86.865	.3199	999.94
#1	.00107	.2022	.00514	.00182	.00055	48.73	.00037
#2	.00009	.0603	.00185	.00028	.00018	48.83	-.00007
#3	.00046	.0307	.00105	-.00000	.00010	48.53	-.00021
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00095	4.9471	.00010	10.167	-.0831	.1451	.00307
SDev	.00065	.0158	.00065	.091	.0671	.1525	.00334
%RSD	68.412	.31930	645.29	.89863	80.69	105.0	109.03
#1	-.00020	4.9457	.00084	10.260	-.0057	.3185	.00686
#2	-.00136	4.9635	-.00041	10.162	-.1232	.0848	.00180
#3	-.00128	4.9320	-.00013	10.077	-.1204	.0321	.00054
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	48.80	.00088	-.00174	.00093	.00135	.00065
SDev	.00070	.21	.00055	.00057	.00047	.00166	.00070
%RSD	107.60	.4340	62.568	33.047	50.147	123.15	108.00
#1	.00125	49.02	.00151	-.00108	.00147	.00325	.00143
#2	.00083	48.78	.00060	-.00213	.00074	.00059	.00008
#3	-.00012	48.60	.00052	-.00200	.00060	.00020	.00044
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00352	-.00200	-.00220	10.018	.00199	-.00279	9.9713
SDev	.00089	.00144	.00278	.039	.00053	.00063	.0283
%RSD	25.409	71.914	126.12	.38655	26.698	22.585	.28361
#1	.00453	-.00039	.00098	9.9849	.00140	-.00239	9.9709
#2	.00318	-.00316	-.00345	10.061	.00216	-.00246	9.9433
#3	.00285	-.00243	-.00414	10.009	.00242	-.00352	9.9998
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.9431	.00222	.00188	-.01363	.00212
SDev	.0354	.00083	.00043	.00204	.00028
%RSD	.35637	37.300	22.774	14.963	13.092
#1	9.9178	.00142	.00139	-.01161	.00221
#2	9.9836	.00217	.00216	-.01358	.00235
#3	9.9279	.00307	.00210	-.01569	.00181
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV6 Operator: CT
Run Time: 04/09/09 15:59:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25086	4.960	.50288	.50020	.50211	10.10	.50580
SDev	.00150	.018	.00472	.00140	.00310	.04	.00385
%RSD	.59744	.3634	.93843	.27974	.61700	.4370	.76181
#1	.24951	4.940	.49767	.49913	.49870	10.05	.50145
#2	.25060	4.966	.50413	.49969	.50288	10.12	.50715
#3	.25248	4.975	.50686	.50178	.50475	10.13	.50880
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50506	.51004	.49858	1.0194	10.64	9.958	.49388
SDev	.00409	.00258	.00176	.0022	.07	.084	.00287
%RSD	.81004	.50609	.35341	.21372	.6988	.8409	.58213
#1	.50043	.50717	.49661	1.0169	10.56	9.863	.49069
#2	.50654	.51077	.49914	1.0207	10.68	9.992	.49465
#3	.50820	.51217	.49999	1.0206	10.69	10.02	.49628
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50566	9.757	.52190	.50300	.50217	.50161	.50997
SDev	.00481	.012	.00397	.00719	.00171	.00237	.00287
%RSD	.95134	.1186	.76152	1.4294	.34073	.47319	.56294
#1	.50055	9.746	.51744	.49470	.50065	.49904	.50669
#2	.50635	9.757	.52323	.50734	.50185	.50205	.51118
#3	.51010	9.769	.52505	.50695	.50402	.50373	.51204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49445	.50484	.50567	.50102	.50658	.50094	.50231
SDev	.00281	.00354	.01029	.00075	.00651	.00354	.00181
%RSD	.56799	.70064	2.0355	.14941	1.2859	.70634	.35958
#1	.49144	.50083	.49398	.50016	.49916	.49712	.50026
#2	.49492	.50622	.50965	.50153	.50920	.50160	.50300
#3	.49700	.50749	.51338	.50136	.51137	.50410	.50367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50037	.50962	.50507	.49294	.50468	
SDev	.00038	.00522	.00717	.00472	.00247	
%RSD	.07521	1.0239	1.4201	.95719	.48901	
#1	.50011	.50377	.49686	.48765	.50184	
#2	.50080	.51126	.50818	.49445	.50592	
#3	.50020	.51381	.51016	.49671	.50629	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB6 Operator: CT
Run Time: 04/09/09 16:03:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	.0251	.00223	.00026	.00029	.0140	.00033
SDev	.00108	.0065	.00069	.00011	.00012	.0038	.00015
%RSD	247.44	25.74	30.809	41.663	39.987	27.08	45.773
#1	.00110	.0236	.00288	.00035	.00042	.0123	.00045
#2	-.00081	.0194	.00151	.00014	.00026	.0184	.00016
#3	.00102	.0321	.00230	.00028	.00019	.0114	.00039

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00077	.00115	.00060	.00444	-.0331	.0082	.00023
SDev	.00080	.00052	.00043	.00116	.0490	.0038	.00008
%RSD	103.91	44.885	70.737	26.114	148.2	46.29	36.114
#1	.00080	.00096	.00038	.00311	-.0341	.0102	.00032
#2	-.00004	.00075	.00033	.00522	-.0815	.0038	.00016
#3	.00156	.00173	.00110	.00498	.0165	.0107	.00020

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00283	.0078	.00069	.00102	.00021	.00039	.00047
SDev	.00089	.0004	.00050	.00205	.00010	.00038	.00060
%RSD	31.457	5.340	72.058	200.77	49.961	98.127	128.61
#1	.00372	.0082	.00069	.00178	.00033	.00041	.00088
#2	.00285	.0074	.00019	-.00130	.00016	-.00000	-.00022
#3	.00193	.0076	.00119	.00258	.00014	.00076	.00074

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00003	.00046	.00359	.00282	.00061	.00061	.00499
SDev	.00013	.00055	.00245	.00036	.00195	.00086	.00396
%RSD	445.17	117.68	68.172	12.872	318.50	142.32	79.445
#1	.00017	.00086	.00495	.00299	.00159	.00157	.00048
#2	-.00007	-.00016	.00076	.00307	.00189	-.00010	.00793
#3	-.00002	.00069	.00505	.00240	-.00163	.00035	.00654

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00174	.00348	-.00082	-.00497	.00364
SDev	.00217	.00370	.00359	.00592	.00272
%RSD	124.89	106.26	438.40	119.11	74.736
#1	.00424	-.00051	.00264	.00185	.00068
#2	.00064	.00679	-.00056	-.00873	.00421
#3	.00034	.00417	-.00453	-.00802	.00603

Method: KICAP Sample Name: 0904022-032AMSD Operator: CT
Run Time: 04/09/09 16:08:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09817	83.08	.95702	.96852	.39103	236.2	.36501
SDev	.00046	.16	.00203	.00209	.00026	.2	.00010
%RSD	.46648	.1889	.21242	.21541	.06621	.0874	.02619
#1	.09858	83.11	.95477	.96780	.39078	235.9	.36509
#2	.09768	83.22	.95872	.97087	.39130	236.3	.36503
#3	.09825	82.91	.95757	.96689	.39101	236.3	.36490

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41911	1.5545	.55472	110.16	57.68	228.7	3.5359
SDev	.00034	.0009	.00111	.04	.09	.1	.0026
%RSD	.08147	.06026	.19912	.03649	.1505	.0310	.07355
#1	.41883	1.5551	.55459	110.13	57.72	228.7	3.5345
#2	.41900	1.5550	.55588	110.20	57.73	228.6	3.5389
#3	.41949	1.5534	.55369	110.14	57.58	228.7	3.5344

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.37262	20.71	.49327	.36109	.57862	1.7242	.54367
SDev	.00092	.07	.00067	.00003	.00102	.0023	.00030
%RSD	.24654	.3339	.13542	.00764	.17620	.13375	.05600
#1	.37288	20.64	.49399	.36106	.57854	1.7217	.54361
#2	.37160	20.73	.49266	.36109	.57968	1.7262	.54400
#3	.37339	20.77	.49316	.36112	.57764	1.7247	.54340

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0756	.42557	.36598	.85139	.37306	.16819	.86020
SDev	.0013	.00059	.00295	.00269	.00145	.00062	.00381
%RSD	.12040	.13855	.80509	.31569	.38865	.36845	.44340
#1	1.0750	.42615	.36318	.84975	.37165	.16817	.86190
#2	1.0770	.42559	.36570	.85449	.37300	.16757	.85583
#3	1.0746	.42497	.36906	.84993	.37454	.16881	.86287

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.84698	.37728	.37096	.15916	.17244
SDev	.00592	.00305	.00143	.00125	.00082
%RSD	.69862	.80917	.38514	.78290	.47517
#1	.84367	.37625	.36935	.15785	.17332
#2	.85382	.37487	.37207	.15930	.17171
#3	.84346	.38071	.37147	.16033	.17230

Method: KICAP Sample Name: 0904022-032ASD Operator: CT
Run Time: 04/09/09 16:12:27
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00156	147.4	.05612	1.2433	.00932	550.9	.00318
SDev	.00035	.9	.01026	.0081	.00097	3.0	.00097
%RSD	22.340	.6282	18.285	.65410	10.461	.5436	30.671
#1	-.00196	148.4	.06784	1.2526	.01042	554.3	.00429
#2	-.00136	146.8	.05175	1.2397	.00896	549.1	.00276
#3	-.00136	146.8	.04876	1.2376	.00857	549.2	.00249

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09968	.34039	.27918	227.60	29.80	307.2	5.3811
SDev	.00130	.00464	.00063	.96	.43	1.6	.0272
%RSD	1.3095	1.3624	.22616	.42057	1.441	.5198	.50608
#1	.10116	.34573	.27985	228.70	30.30	309.0	5.4125
#2	.09871	.33736	.27908	227.00	29.54	306.2	5.3644
#3	.09916	.33809	.27860	227.09	29.57	306.3	5.3663

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00767	1.114	.23870	.00305	.36771	1.7275	.28218
SDev	.00449	.055	.00394	.00024	.00316	.0112	.00184
%RSD	58.547	4.947	1.6489	7.9196	.85983	.65064	.65165
#1	.01285	1.177	.24282	.00316	.37134	1.7404	.28424
#2	.00531	1.093	.23498	.00278	.36623	1.7202	.28159
#3	.00485	1.073	.23829	.00323	.36556	1.7217	.28070

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2094	.06697	-.02047	.90346	.01033	.00177	.91095
SDev	.0061	.00154	.01056	.00295	.01048	.00336	.00791
%RSD	.50600	2.3009	51.564	.32610	101.47	190.24	.86788
#1	1.2165	.06551	-.00833	.90127	.02229	.00461	.90402
#2	1.2061	.06858	-.02564	.90230	.00596	-.00194	.90928
#3	1.2057	.06682	-.02745	.90681	.00274	.00263	.91956

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.89972	.02388	.00356	-.01016	.01022
SDev	.00083	.00219	.01489	.01327	.00509
%RSD	.09175	9.1797	418.20	130.63	49.773
#1	.89990	.02555	.02066	.00514	.00435
#2	.89882	.02470	-.00340	-.01706	.01310
#3	.90044	.02140	-.00657	-.01856	.01321

Method: KICAP Sample Name: 0904022-032APDS Operator: CT
Run Time: 04/09/09 16:15:59
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09562	145.3	1.0004	1.5216	.37539	560.6	.34649
SDev	.00073	.2	.0049	.0037	.00111	1.6	.00128
%RSD	.76245	.1352	.48904	.24342	.29483	.2904	.36839
#1	.09545	145.1	.99480	1.5175	.37411	558.8	.34503
#2	.09642	145.2	1.0027	1.5248	.37607	561.7	.34742
#3	.09500	145.5	1.0037	1.5224	.37598	561.4	.34701

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44755	.64821	.67034	212.68	90.06	314.3	5.3020
SDev	.00145	.00210	.00172	.72	.20	1.0	.0145
%RSD	.32356	.32390	.25703	.33734	.2198	.3045	.27345
#1	.44588	.64582	.66837	211.85	89.88	313.2	5.2854
#2	.44843	.64974	.67157	213.12	90.27	315.0	5.3115
#3	.44834	.64908	.67109	213.07	90.04	314.8	5.3092

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.36511	21.81	.57918	.38068	.69790	2.0079	.63574
SDev	.00196	.07	.00227	.00204	.00186	.0058	.00239
%RSD	.53673	.3166	.39194	.53565	.26730	.28974	.37674
#1	.36289	21.73	.57656	.37838	.69578	2.0016	.63304
#2	.36659	21.87	.58037	.38225	.69926	2.0130	.63761
#3	.36586	21.84	.58061	.38143	.69868	2.0090	.63658

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5159	.44614	.35408	1.1805	.37364	.39707	1.1886
SDev	.0042	.00173	.00126	.0096	.00391	.00516	.0030
%RSD	.28015	.38748	.35431	.81286	1.0454	1.2995	.24925
#1	1.5111	.44429	.35292	1.1701	.37120	.39121	1.1858
#2	1.5192	.44771	.35392	1.1823	.37159	.39902	1.1917
#3	1.5173	.44643	.35541	1.1890	.37815	.40096	1.1883

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.1764	.38504	.36796	.38308	.40380
SDev	.0136	.00188	.00541	.01520	.00069
%RSD	1.1553	.48958	1.4703	3.9668	.16990
#1	1.1623	.38286	.36537	.36601	.40380
#2	1.1776	.38614	.36432	.38807	.40449
#3	1.1894	.38612	.37417	.39515	.40312

Method: KICAP Sample Name: 0904022-033A Operator: CT
Run Time: 04/09/09 16:19:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00591	316.7	.68664	4.8174	.05948	1157.	.00792
SDev	.00022	1.4	.00337	.0114	.00028	4.	.00005
%RSD	3.6665	.4557	.49131	.23704	.47187	.3355	.65486
#1	-.00616	317.9	.69050	4.8287	.05980	1161.	.00796
#2	-.00581	315.1	.68425	4.8059	.05931	1154.	.00792
#3	-.00576	317.2	.68516	4.8175	.05932	1155.	.00786

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10618	.39809	.36159	393.41	36.06	146.1	50.899
SDev	.00115	.00195	.00114	1.58	.16	.7	.165
%RSD	1.0861	.48962	.31493	.40063	.4473	.4673	.32506
#1	.10748	.40033	.36286	395.23	36.25	146.9	51.090
#2	.10577	.39677	.36124	392.47	36.00	145.7	50.815
#3	.10528	.39718	.36067	392.54	35.94	145.6	50.793

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00986	6.801	.24377	.06121	2.1517	6.5155	.12744
SDev	.00104	.021	.00216	.00198	.0053	.0158	.00042
%RSD	10.598	.3162	.88784	3.2345	.24522	.24223	.32648
#1	.01104	6.826	.24624	.06349	2.1575	6.5331	.12791
#2	.00945	6.787	.24221	.06021	2.1471	6.5027	.12715
#3	.00908	6.790	.24286	.05992	2.1505	6.5108	.12725

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93624	.44530	-.02319	.76499	.04261	.00532	.77263
SDev	.00327	.00192	.00417	.00432	.00159	.00128	.00918
%RSD	.34925	.43114	17.999	.56535	3.7386	24.107	1.1887
#1	.93994	.44749	-.01949	.76765	.04247	.00610	.78094
#2	.93374	.44453	-.02237	.76732	.04427	.00602	.77418
#3	.93505	.44389	-.02771	.76000	.04109	.00384	.76277

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.76118	.05894	.03446	-.00418	.01082
SDev	.00264	.00898	.00393	.00614	.00481
%RSD	.34732	15.230	11.403	146.70	44.496
#1	.76102	.06761	.02992	-.01050	.01514
#2	.76390	.05952	.03665	-.00380	.01168
#3	.75862	.04969	.03680	.00176	.00563

Method: KICAP Sample Name: 0904022-034A Operator: CT
Run Time: 04/09/09 16:23:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00180	61.90	.10198	1.5044	.00578	389.6	.01113
SDev	.00008	.24	.00135	.0086	.00005	1.7	.00004
%RSD	4.3511	.3956	1.3245	.57252	.80954	.4317	.37255
#1	.00180	62.01	.10352	1.5091	.00583	390.8	.01115
#2	.00172	61.62	.10100	1.4945	.00574	387.7	.01108
#3	.00187	62.06	.10143	1.5096	.00578	390.3	.01115

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04515	.13876	.83094	157.15	10.31	102.8	3.3570
SDev	.00014	.00034	.00531	.67	.04	.4	.0251
%RSD	.30079	.24642	.63865	.42530	.3722	.3459	.74659
#1	.04508	.13905	.83373	157.50	10.35	103.0	3.3834
#2	.04530	.13838	.82482	156.38	10.27	102.4	3.3336
#3	.04506	.13884	.83426	157.57	10.30	103.0	3.3541

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01111	2.983	.14132	.04312	.68202	2.1864	.17164
SDev	.00075	.012	.00111	.00032	.00374	.0101	.00090
%RSD	6.7333	.3960	.78365	.75247	.54811	.46087	.52661
#1	.01029	2.992	.14179	.04315	.68456	2.1924	.17189
#2	.01175	2.970	.14006	.04342	.67773	2.1747	.17064
#3	.01129	2.988	.14212	.04278	.68377	2.1920	.17239

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1534	.08826	-.01685	11.803	.00790	.06945	11.004
SDev	.0104	.00014	.00030	.045	.00123	.00124	.063
%RSD	.48258	.16179	1.7601	.38224	15.587	1.7801	.57473
#1	2.1584	.08811	-.01707	11.829	.00925	.07085	10.983
#2	2.1414	.08828	-.01651	11.751	.00683	.06850	10.953
#3	2.1603	.08839	-.01696	11.830	.00763	.06899	11.075

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.991	.00974	.00698	.06773	.07081
SDev	.079	.00209	.00097	.00097	.00060
%RSD	.72112	21.459	13.873	1.4251	.85294
#1	10.933	.01215	.00780	.06872	.07116
#2	10.959	.00866	.00591	.06679	.07011
#3	11.082	.00841	.00724	.06768	.07115

Method: KICAP Sample Name: 0904022-035A Operator: CT
Run Time: 04/09/09 16:26:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	120.8	.43155	1.2385	.00604	232.6	.00692
SDev	.00036	.0	.00101	.0025	.00002	.2	.00012
%RSD	51.908	.0401	.23293	.19909	.25995	.0805	1.7756
#1	.00039	120.8	.43044	1.2408	.00602	232.5	.00678
#2	.00108	120.7	.43179	1.2359	.00605	232.5	.00702
#3	.00059	120.8	.43241	1.2389	.00605	232.8	.00695

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10150	.32255	.52013	222.04	24.43	60.52	7.4799
SDev	.00037	.00060	.00092	.28	.01	.12	.0076
%RSD	.36132	.18487	.17744	.12763	.0565	.1976	.10191
#1	.10111	.32189	.52068	221.75	24.42	60.39	7.4745
#2	.10183	.32270	.51906	222.05	24.43	60.57	7.4767
#3	.10157	.32306	.52065	222.32	24.44	60.62	7.4886

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05125	12.62	.26142	.05108	.40092	1.8455	.24491
SDev	.00016	.01	.00063	.00077	.00068	.0022	.00010
%RSD	.30873	.0948	.24125	1.4996	.17056	.11681	.04142
#1	.05116	12.62	.26128	.05020	.40157	1.8458	.24481
#2	.05116	12.61	.26087	.05145	.40021	1.8431	.24491
#3	.05144	12.63	.26210	.05159	.40097	1.8474	.24501

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.8710	.15474	-.01826	1.6882	.00386	.02366	1.6904
SDev	.0013	.00092	.00196	.0091	.00000	.00153	.0053
%RSD	.06886	.59149	10.723	.53924	.07282	6.4842	.31435
#1	1.8704	.15403	-.02052	1.6797	.00386	.02189	1.6899
#2	1.8701	.15577	-.01724	1.6870	.00386	.02460	1.6959
#3	1.8725	.15440	-.01703	1.6978	.00386	.02449	1.6853

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.6871	.00804	.00177	.01579	.02809
SDev	.0152	.00216	.00108	.00631	.00163
%RSD	.90220	26.873	61.093	39.964	5.7896
#1	1.6746	.01048	.00055	.00991	.02937
#2	1.6825	.00729	.00215	.01501	.02863
#3	1.7040	.00635	.00262	.02246	.02626

Method: KICAP Sample Name: 0904022-036A Operator: CT
Run Time: 04/09/09 16:30:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00025	116.2	.09711	2.1125	.00930	314.9	.01100
SDev	.00029	.3	.00162	.0050	.00005	1.2	.00011
%RSD	118.25	.2860	1.6666	.23771	.52295	.3796	.96587
#1	.00040	116.4	.09897	2.1141	.00934	316.1	.01112
#2	.00043	116.5	.09628	2.1165	.00930	314.9	.01093
#3	-.00009	115.9	.09608	2.1068	.00925	313.7	.01095

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09227	.53494	.80142	221.86	23.62	102.4	7.8789
SDev	.00095	.00239	.00233	.87	.08	.5	.0285
%RSD	1.0285	.44753	.29075	.38993	.3459	.4765	.36124
#1	.09335	.53746	.80266	222.71	23.70	102.9	7.9061
#2	.09191	.53467	.80287	221.88	23.62	102.3	7.8813
#3	.09155	.53269	.79873	220.98	23.54	101.9	7.8493

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01387	1.415	.25489	.05567	.49503	2.0132	.23720
SDev	.00129	.005	.00182	.00230	.00157	.0048	.00118
%RSD	9.2759	.3623	.71299	4.1236	.31663	.23686	.49533
#1	.01496	1.420	.25668	.05832	.49612	2.0172	.23837
#2	.01245	1.415	.25494	.05446	.49574	2.0145	.23720
#3	.01419	1.410	.25304	.05425	.49323	2.0079	.23602

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7571	.13609	-.02369	2.7008	.00720	.02564	2.6935
SDev	.0103	.00103	.00123	.0011	.00136	.00153	.0167
%RSD	.37346	.75992	5.1754	.04118	18.829	5.9640	.62022
#1	2.7662	.13667	-.02227	2.7002	.00713	.02577	2.7008
#2	2.7591	.13670	-.02443	2.7021	.00859	.02709	2.6744
#3	2.7459	.13489	-.02436	2.7001	.00588	.02404	2.7053

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.7045	.00930	.00616	.01770	.02960
SDev	.0100	.00417	.00409	.00704	.00169
%RSD	.36978	44.842	66.435	39.762	5.7131
#1	2.6999	.00847	.00646	.01786	.02897
#2	2.7160	.00561	.01009	.02466	.02830
#3	2.6976	.01382	.00192	.01059	.03151

Method: KICAP Sample Name: 0904022-037A Operator: CT
Run Time: 04/09/09 16:33:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00305	43.41	.07225	1.7057	.00335	806.7	.01482
SDev	.00045	.16	.00030	.0068	.00001	2.4	.00007
%RSD	14.781	.3740	.41621	.40047	.40689	.3007	.49585
#1	.00337	43.26	.07241	1.6983	.00337	804.2	.01482
#2	.00325	43.39	.07191	1.7070	.00335	807.0	.01474
#3	.00253	43.58	.07244	1.7118	.00335	809.0	.01489

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03374	.18822	.47933	102.36	11.71	266.5	3.5198
SDev	.00021	.00032	.00199	.30	.01	.6	.0099
%RSD	.62380	.17245	.41459	.29405	.0939	.2213	.28239
#1	.03397	.18795	.47705	102.04	11.71	265.9	3.5093
#2	.03368	.18813	.48030	102.39	11.70	266.5	3.5210
#3	.03356	.18858	.48065	102.64	11.72	267.0	3.5291

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00896	1.695	.13209	.05434	.84497	1.1848	.12179
SDev	.00080	.005	.00080	.00053	.00283	.0046	.00041
%RSD	8.8926	.2869	.60216	.97840	.33444	.38421	.34033
#1	.00804	1.691	.13118	.05484	.84189	1.1798	.12133
#2	.00951	1.695	.13242	.05379	.84557	1.1860	.12189
#3	.00932	1.701	.13267	.05440	.84744	1.1887	.12214

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0448	.05689	-.01740	11.905	.00591	.07337	10.538
SDev	.0117	.00068	.00128	.024	.00067	.00145	.031
%RSD	.28921	1.1938	7.3447	.20126	11.346	1.9832	.29546
#1	4.0329	.05642	-.01641	11.888	.00518	.07229	10.510
#2	4.0452	.05767	-.01695	11.895	.00650	.07281	10.572
#3	4.0563	.05658	-.01885	11.933	.00607	.07503	10.533

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.592	.00838	.00468	.07085	.07513
SDev	.137	.00167	.00020	.00106	.00119
%RSD	1.2974	19.976	4.3237	1.4978	1.5788
#1	10.434	.00649	.00453	.07083	.07376
#2	10.686	.00967	.00491	.06980	.07581
#3	10.654	.00898	.00461	.07193	.07583

Method: KICAP Sample Name: ICSA-FINAL Operator: CT
Run Time: 04/09/09 16:43:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	481.8	.00314	-.00044	.00022	477.0	-.00008
SDev	.00056	1.3	.00049	.00008	.00001	.9	.00009
%RSD	441.92	.2775	15.699	18.834	5.4795	.1989	102.48
#1	.00077	480.3	.00367	-.00034	.00023	476.0	.00001
#2	-.00015	482.4	.00307	-.00048	.00022	477.3	-.00011
#3	-.00024	482.8	.00269	-.00048	.00020	477.8	-.00015
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00266	.00430	-.00150	178.84	-.0649	477.6	-.00020
SDev	.00047	.00054	.00028	.36	.0425	.2	.00008
%RSD	17.639	12.494	18.585	.19960	65.47	.0337	41.137
#1	.00320	.00491	-.00120	178.44	-.0160	477.4	-.00011
#2	.00243	.00404	-.00156	178.99	-.0863	477.6	-.00025
#3	.00234	.00393	-.00175	179.10	-.0925	477.7	-.00026
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.0	
Range				20.000		20.00	

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00168	.0202	.00078	.00736	.00005	.00029	.00043
SDev	.00014	.0015	.00056	.00115	.00005	.00029	.00038
%RSD	8.1821	7.252	72.225	15.586	87.215	100.51	89.750
#1	-.00181	.0219	.00139	.00696	.00011	.00060	.00086
#2	-.00154	.0195	.00030	.00865	.00004	.00025	.00028
#3	-.00168	.0192	.00063	.00646	.00002	.00002	.00014
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00066	.00045	.01044	.00239	.00307	.00052	-.00174
SDev	.00009	.00124	.00173	.00126	.00178	.00121	.00326
%RSD	13.634	277.01	16.544	52.808	58.181	233.24	187.26
#1	-.00064	.00106	.01243	.00131	.00480	-.00088	.00175
#2	-.00058	-.00098	.00964	.00378	.00318	.00126	-.00226
#3	-.00076	.00127	.00926	.00208	.00123	.00118	-.00472
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value Range					
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00446	.00388	.00266	-.00486	.00296
SDev	.00298	.00691	.00252	.01229	.00389
%RSD	66.965	177.99	94.895	253.15	131.75
#1	.00110	.01164	.00138	-.01897	.00740
#2	.00680	-.00162	.00557	.00350	.00014
#3	.00547	.00163	.00103	.00090	.00132
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value Range					

Method: KICAP Sample Name: ICSAB-FINAL Operator: CT
Run Time: 04/09/09 16:46:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19734	472.9	.47421	.45207	.46761	467.1	.86993
SDev	.00077	.8	.00091	.00085	.00099	.8	.00092
%RSD	.39003	.1653	.19175	.18716	.21134	.1624	.10515
#1	.19645	472.1	.47316	.45116	.46653	466.4	.86912
#2	.19776	473.7	.47476	.45284	.46847	467.9	.87092
#3	.19781	472.9	.47471	.45221	.46784	467.2	.86974
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.0	.50000	.50000	.50000	500.0	1.0000
Range	20.000	20.00	20.000	20.000	20.000	20.00	20.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44286	.45489	.50256	175.14	7.623	465.5	.45206
SDev	.00067	.00081	.00066	.33	.005	.8	.00081
%RSD	.15160	.17872	.13092	.18643	.0664	.1776	.17809
#1	.44211	.45432	.50216	174.80	7.628	464.7	.45117
#2	.44341	.45582	.50332	175.46	7.623	466.3	.45274
#3	.44305	.45453	.50222	175.16	7.618	465.5	.45228
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00		500.0	.50000
Range	20.000	20.000	20.000	20.000		20.00	20.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44810	1.161	.90524	.45807	.44486	.46808	.46415
SDev	.00217	.001	.00076	.00092	.00072	.00112	.00079
%RSD	.48391	.1049	.08434	.20178	.16123	.23975	.16926
#1	.44573	1.160	.90437	.45787	.44416	.46679	.46343
#2	.44998	1.162	.90559	.45908	.44559	.46877	.46499
#3	.44861	1.160	.90577	.45726	.44482	.46869	.46403
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000		1.0000	.50000	.50000	.50000	.50000
Range	20.000		20.000	20.000	20.000	20.000	20.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93756	.09774	.09835	.04624	.04777	.59686	.04375
SDev	.00235	.00068	.00096	.00176	.00127	.00155	.00382
%RSD	.25113	.69964	.97555	3.8032	2.6611	.25996	8.7411
#1	.93489	.09848	.09736	.04422	.04715	.59596	.04796
#2	.93935	.09760	.09927	.04744	.04924	.59865	.04281
#3	.93843	.09713	.09841	.04706	.04693	.59597	.04048
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	1.0000	.10000	.10000	.05000	.05000	.60000
Range	20.000	20.000	20.000	20.000	20.000	20.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.04749	.05507	.04413	.58721	.60192	
SDev	.00445	.00631	.00403	.01854	.00940	
%RSD	9.3691	11.461	9.1372	3.1577	1.5612	
#1	.04236	.06219	.03964	.56581	.61250	
#2	.04976	.05282	.04745	.59851	.59872	
#3	.05034	.05018	.04531	.59732	.59454	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: CCVH7 Operator: CT
Run Time: 04/09/09 16:50:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00073	.2699	.00130	.00014	.00027	48.13	.00030
SDev	.00019	.1637	.00112	.00028	.00016	.25	.00036
%RSD	26.118	60.67	86.379	200.27	60.231	.5262	121.72
#1	.00067	.4466	.00248	.00042	.00045	48.03	.00069
#2	.00095	.2399	.00115	.00014	.00024	47.95	.00022
#3	.00058	.1232	.00026	-.00014	.00013	48.42	-.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00077	4.9027	.00046	9.9996	-.0897	.2691	.00006
SDev	.00050	.0283	.00034	.0340	.0381	.1661	.00022
%RSD	65.598	.57747	73.641	.34043	42.45	61.74	363.40
#1	-.00028	4.8755	.00082	10.020	-.0563	.4468	.00030
#2	-.00074	4.9005	.00039	9.9603	-.0816	.2428	.00003
#3	-.00128	4.9320	.00016	10.019	-.1311	.1177	-.00014
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00203	48.08	.00118	-.00238	.00075	.00028	.00052
SDev	.00161	.10	.00058	.00057	.00017	.00040	.00013
%RSD	79.380	.2145	48.933	23.790	23.030	143.64	24.251
#1	.00354	47.97	.00143	-.00172	.00093	.00070	.00051
#2	.00221	48.10	.00159	-.00270	.00074	.00024	.00066
#3	.00033	48.17	.00052	-.00271	.00058	-.00010	.00040
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00452	-.00215	-.00499	9.7667	.00071	-.00098	9.8687
SDev	.00029	.00028	.00139	.0699	.00130	.00217	.0579
%RSD	6.4247	12.955	27.807	.71542	182.72	220.50	.58644
#1	.00484	-.00245	-.00340	9.7212	.00217	.00115	9.8172
#2	.00446	-.00210	-.00560	9.7317	.00027	-.00319	9.8575
#3	.00427	-.00190	-.00597	9.8471	-.00031	-.00091	9.9313
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.9003	.00153	.00030	-.01094	.00374
SDev	.0746	.00100	.00192	.00230	.00125
%RSD	.75335	65.245	630.97	21.028	33.328
#1	9.8861	.00199	.00227	-.00853	.00448
#2	9.8338	.00038	.00021	-.01118	.00230
#3	9.9810	.00221	-.00156	-.01311	.00443
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV7 Operator: CT
Run Time: 04/09/09 17:00:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24850	4.929	.49516	.49589	.49725	9.940	.49940
SDev	.00140	.027	.00329	.00234	.00227	.054	.00240
%RSD	.56180	.5431	.66510	.47187	.45655	.5468	.47984
#1	.24781	4.940	.49281	.49424	.49611	9.959	.49895
#2	.25011	4.948	.49892	.49857	.49987	9.983	.50199
#3	.24758	4.898	.49374	.49487	.49578	9.879	.49727
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49879	.50246	.49336	1.0145	10.52	9.877	.48891
SDev	.00214	.00232	.00237	.0100	.05	.049	.00238
%RSD	.42935	.46167	.47958	.98799	.4966	.4918	.48769
#1	.49831	.50246	.49178	1.0226	10.55	9.894	.48784
#2	.50113	.50478	.49608	1.0176	10.54	9.914	.49164
#3	.49692	.50015	.49221	1.0033	10.46	9.822	.48724
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49909	9.743	.51278	.49471	.49488	.49873	.50300
SDev	.00250	.035	.00326	.00203	.00215	.00205	.00290
%RSD	.50060	.3544	.63576	.41046	.43479	.41057	.57633
#1	.49639	9.758	.51223	.49553	.49361	.49742	.50235
#2	.50132	9.767	.51628	.49621	.49736	.50109	.50616
#3	.49954	9.703	.50983	.49240	.49367	.49768	.50047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49025	.49692	.49563	.49473	.49826	.49215	.49594
SDev	.00247	.00438	.00348	.00290	.00411	.00101	.00419
%RSD	.50373	.88177	.70271	.58641	.82387	.20499	.84577
#1	.48911	.49419	.49347	.49600	.49631	.49274	.49418
#2	.49308	.50197	.49964	.49678	.50298	.49273	.49292
#3	.48855	.49459	.49377	.49141	.49549	.49099	.50073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.49413	.50148	.49665	.48681	.49482	
SDev	.00644	.00596	.00798	.01109	.00451	
%RSD	1.3040	1.1893	1.6065	2.2788	.91074	
#1	.49691	.49722	.49586	.49024	.49249	
#2	.49871	.49892	.50500	.49579	.49196	
#3	.48676	.50829	.48910	.47441	.50002	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB7 Operator: CT
Run Time: 04/09/09 17:05:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00057	.0134	.00064	.00105	.00016	.0228	.00006
SDev	.00065	.0026	.00009	.00007	.00007	.0028	.00007
%RSD	115.09	19.57	14.500	6.6665	44.116	12.17	119.21
#1	.00109	.0116	.00059	.00105	.00023	.0256	.00005
#2	.00079	.0164	.00075	.00112	.00016	.0227	.00014
#3	-.00017	.0122	.00059	.00098	.00009	.0200	-.00000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	.00005	.00086	.00268	-.0642	.0028	-.00003
SDev	.00028	.00020	.00050	.00053	.0250	.0018	.00006
%RSD	79.683	421.50	57.733	19.749	38.99	66.19	224.79
#1	-.00068	-.00012	.00057	.00272	-.0880	.0017	.00001
#2	-.00017	.00028	.00143	.00319	-.0381	.0049	-.00000
#3	-.00022	-.00001	.00057	.00213	-.0664	.0017	-.00009

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00161	.0046	.00077	-.00339	.00024	-.00002	.00017
SDev	.00083	.0011	.00044	.00104	.00006	.00011	.00032
%RSD	51.646	24.68	56.708	30.567	25.336	592.46	190.77
#1	.00216	.0048	.00110	-.00275	.00029	-.00005	.00017
#2	.00203	.0056	.00094	-.00459	.00026	.00010	.00049
#3	.00065	.0033	.00028	-.00284	.00017	-.00010	-.00015

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00044	-.00267	.00091	.00006	.00128	.00211
SDev	.00007	.00052	.00071	.00034	.00061	.00118	.00221
%RSD	36.792	117.63	26.746	37.047	952.14	92.207	104.48
#1	-.00021	.00008	-.00339	.00063	.00071	.00089	-.00028
#2	-.00012	.00104	-.00196	.00081	-.00000	.00261	.00407
#3	-.00026	.00020	-.00266	.00128	-.00051	.00035	.00254

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.00261	-.00121	-.00368	.00326
SDev	.00100	.00327	.00223	.00398	.00261
%RSD	328.32	125.02	184.53	107.89	80.149
#1	.00108	-.00041	.00127	.00040	.00113
#2	-.00082	.00607	-.00304	-.00754	.00617
#3	.00065	.00217	-.00185	-.00391	.00247

Method: KICAP Sample Name: 0904022-038A Operator: CT
Run Time: 04/09/09 17:09:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00116	90.15	.06260	1.7373	.00522	314.1	.00992
SDev	.00028	.64	.00058	.0096	.00005	2.1	.00006
%RSD	24.360	.7101	.92544	.55454	.98572	.6741	.65383
#1	.00149	89.75	.06215	1.7326	.00517	313.3	.00994
#2	.00104	89.80	.06239	1.7309	.00523	312.5	.00984
#3	.00097	90.89	.06325	1.7483	.00527	316.5	.00996

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06969	.42698	.68188	249.95	19.17	95.63	4.6213
SDev	.00088	.00341	.00482	1.78	.13	.71	.0301
%RSD	1.2584	.79900	.70632	.71258	.6677	.7379	.65198
#1	.06944	.42549	.68039	249.18	19.11	95.37	4.6093
#2	.06897	.42457	.67799	248.69	19.08	95.10	4.5990
#3	.07067	.43088	.68727	251.99	19.31	96.43	4.6556

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00704	2.933	.20384	.06710	.52777	1.9955	.19777
SDev	.00044	.015	.00162	.00070	.00332	.0119	.00098
%RSD	6.2400	.5145	.79371	1.0380	.62964	.59447	.49672
#1	.00743	2.923	.20290	.06783	.52607	1.9911	.19755
#2	.00711	2.925	.20290	.06644	.52564	1.9866	.19691
#3	.00657	2.950	.20571	.06702	.53160	2.0090	.19884

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.2771	.08830	-.02285	13.658	.00449	.09092	12.895
SDev	.0213	.00045	.00053	.101	.00225	.00070	.027
%RSD	.65102	.51201	2.3342	.73791	50.104	.77362	.20992
#1	3.2683	.08883	-.02321	13.592	.00230	.09076	12.925
#2	3.2616	.08806	-.02311	13.608	.00438	.09169	12.887
#3	3.3015	.08803	-.02224	13.774	.00680	.09031	12.873

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	12.910	.01064	.00142	.08286	.09545
SDev	.106	.00352	.00425	.00649	.00140
%RSD	.82021	33.120	298.68	7.8307	1.4682
#1	12.788	.01376	-.00342	.07544	.09691
#2	12.960	.00682	.00317	.08745	.09531
#3	12.981	.01135	.00452	.08569	.09412

Method: KICAP Sample Name: 0904022-039A Operator: CT
Run Time: 04/09/09 17:14:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00101	30.40	.04377	.74208	.00278	43.40	.00359
SDev	.00044	.05	.00056	.00167	.00002	.19	.00021
%RSD	42.985	.1785	1.2791	.22557	.83472	.4488	5.7898
#1	.00098	30.43	.04430	.74301	.00281	43.61	.00343
#2	.00147	30.43	.04318	.74308	.00278	43.36	.00353
#3	.00060	30.34	.04383	.74015	.00276	43.23	.00383

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03818	.05428	.31292	1227.8	5.017	12.53	1.2954
SDev	.00085	.00059	.00147	8.3	.043	.08	.0051
%RSD	2.2282	1.0893	.46976	.67530	.8493	.6014	.39332
#1	.03916	.05497	.31458	1236.9	5.066	12.61	1.3008
#2	.03775	.05395	.31243	1226.0	4.993	12.50	1.2946
#3	.03762	.05393	.31176	1220.6	4.990	12.47	1.2907

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05342	.4701	.12407	.05384	.22323	2.7554	.12409
SDev	.00037	.0022	.00112	.00089	.00068	.0071	.00043
%RSD	.69997	.4641	.89967	1.6474	.30292	.25690	.34432
#1	.05383	.4726	.12518	.05484	.22371	2.7625	.12422
#2	.05310	.4692	.12410	.05315	.22353	2.7554	.12443
#3	.05333	.4685	.12294	.05352	.22246	2.7483	.12361

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.84794	.12006	-.12067	5.6502	.05282	.08675	5.6448
SDev	.00286	.00066	.00070	.0200	.00137	.00285	.0509
%RSD	.33778	.54935	.57804	.35369	2.5928	3.2850	.90174
#1	.85105	.12066	-.12029	5.6342	.05345	.08469	5.6881
#2	.84735	.12017	-.12025	5.6726	.05125	.09000	5.6576
#3	.84541	.11935	-.12147	5.6438	.05377	.08554	5.5887

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.6529	.02173	.06835	.06817	.09702
SDev	.0398	.00337	.00136	.00720	.00144
%RSD	.70319	15.499	1.9872	10.569	1.4792
#1	5.6073	.02524	.06754	.06068	.09818
#2	5.6801	.01853	.06759	.07506	.09746
#3	5.6713	.02141	.06992	.06877	.09541

Method: KICAP Sample Name: 0904022-040A Operator: CT
Run Time: 04/09/09 17:18:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	78.74	.07646	2.5282	.00806	486.8	.03029
SDev	.00115	.39	.00032	.0142	.00003	2.4	.00021
%RSD	119.24	.5013	.42409	.56147	.40280	.4828	.70831
#1	.00194	78.39	.07648	2.5144	.00803	484.7	.03031
#2	.00125	78.67	.07613	2.5274	.00806	486.4	.03007
#3	-.00030	79.17	.07678	2.5428	.00810	489.3	.03049

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04681	1.1813	.68426	186.52	9.502	173.9	4.3374
SDev	.00013	.0055	.00389	.96	.027	.7	.0212
%RSD	.28602	.46295	.56911	.51469	.2890	.4159	.48786
#1	.04694	1.1762	.68061	185.66	9.487	173.3	4.3183
#2	.04667	1.1805	.68383	186.34	9.485	173.7	4.3338
#3	.04682	1.1871	.68836	187.55	9.533	174.7	4.3602

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00982	2.903	.15515	.06232	.78606	2.5455	.12479
SDev	.00067	.014	.00062	.00090	.00432	.0141	.00033
%RSD	6.7746	.4939	.39994	1.4408	.54970	.55553	.26644
#1	.00908	2.891	.15480	.06176	.78190	2.5320	.12476
#2	.01003	2.899	.15587	.06186	.78576	2.5443	.12514
#3	.01035	2.919	.15479	.06336	.79052	2.5602	.12448

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5673	.07758	-.02145	16.259	.00510	.11947	15.093
SDev	.0077	.00072	.00042	.096	.00059	.00059	.100
%RSD	.48839	.92209	1.9602	.59068	11.568	.49451	.65925
#1	1.5602	.07733	-.02100	16.170	.00562	.11936	15.003
#2	1.5663	.07838	-.02153	16.247	.00446	.12010	15.077
#3	1.5754	.07701	-.02183	16.361	.00523	.11894	15.200

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	15.158	.00803	.00365	.11544	.12223
SDev	.035	.00745	.00402	.00856	.00306
%RSD	.22908	92.764	110.24	7.4195	2.5033
#1	15.124	.00107	.00790	.12231	.11939
#2	15.193	.00713	.00313	.11818	.12181
#3	15.156	.01588	-.00009	.10585	.12547

Method: KICAP Sample Name: 0904022-041A Operator: CT
Run Time: 04/09/09 17:23:05
Comment:
Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	81.04	.10062	1.0797	.00685	190.0	.00928
SDev	.00052	.54	.00032	.0064	.00004	1.0	.00019
%RSD	53.661	.6651	.32222	.59233	.54116	.5138	2.0777
#1	.00072	80.43	.10040	1.0724	.00682	188.9	.00949
#2	.00155	81.24	.10047	1.0828	.00685	190.5	.00924
#3	.00061	81.45	.10099	1.0840	.00689	190.6	.00911

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06889	.24107	.51015	632.09	10.63	47.44	6.1057
SDev	.00033	.00083	.00203	4.29	.01	.21	.0382
%RSD	.47594	.34245	.39715	.67927	.1129	.4353	.62482
#1	.06851	.24012	.50784	627.15	10.64	47.20	6.0619
#2	.06912	.24162	.51095	634.16	10.62	47.55	6.1234
#3	.06903	.24148	.51165	634.95	10.62	47.57	6.1318

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01412	1.847	.22407	.14311	.78703	2.1310	.18654
SDev	.00138	.001	.00206	.00249	.00528	.0121	.00103
%RSD	9.8017	.0600	.92024	1.7395	.67142	.56732	.55164
#1	.01253	1.846	.22242	.14054	.78102	2.1171	.18535
#2	.01473	1.847	.22638	.14328	.78911	2.1371	.18714
#3	.01509	1.848	.22341	.14551	.79096	2.1389	.18713

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5519	.14704	-.05270	19.172	.01133	.20512	18.584
SDev	.0106	.00096	.00274	.108	.00151	.00280	.050
%RSD	.68105	.65106	5.2013	.56448	13.307	1.3664	.26785
#1	1.5397	.14612	-.05049	19.050	.01026	.20208	18.533
#2	1.5568	.14698	-.05186	19.211	.01305	.20569	18.633
#3	1.5590	.14803	-.05577	19.256	.01067	.20761	18.587

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	18.567	.01428	.00985	.19477	.20930
SDev	.180	.00453	.00451	.01296	.00325
%RSD	.97100	31.766	45.780	6.6555	1.5525
#1	18.372	.01683	.00698	.18056	.21133
#2	18.601	.00904	.01505	.20596	.20555
#3	18.727	.01696	.00753	.19778	.21101

Method: KICAP Sample Name: 0904022-003A Operator: CT
Run Time: 04/09/09 17:27:33
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00846	443.8	.52342	2.7484	.07016	2440.	.00152
SDev	.00663	1.0	.00383	.0067	.00011	2.	.00056
%RSD	78.312	.2249	.73160	.24241	.16171	.0623	37.005
#1	-.00788	444.7	.52259	2.7519	.07006	2441.	.00137
#2	-.01536	443.8	.52007	2.7526	.07014	2438.	.00106
#3	-.00214	442.7	.52759	2.7407	.07028	2440.	.00215

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03430	1.6175	.25727	164.88	39.70	132.0	40.496
SDev	.00284	.0034	.00146	.19	.24	.2	.021
%RSD	8.2813	.20828	.56620	.11781	.6011	.1803	.05063
#1	.03378	1.6195	.25823	165.10	39.89	132.1	40.520
#2	.03174	1.6136	.25559	164.74	39.43	131.8	40.486
#3	.03736	1.6194	.25798	164.80	39.79	132.3	40.483

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00018	13.08	.11410	.07439	2.9598	12.831	.10482
SDev	.00185	.05	.00213	.00713	.0083	.015	.00393
%RSD	1018.4	.3536	1.8662	9.5871	.27910	.11947	3.7495
#1	.00180	13.14	.11354	.07619	2.9646	12.831	.10624
#2	-.00186	13.07	.11230	.06654	2.9646	12.846	.10038
#3	-.00049	13.05	.11645	.08046	2.9503	12.816	.10784

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42202	.04978	-.03759	1.4861	.03785	.01073	1.4973
SDev	.00071	.00183	.00537	.0023	.00668	.00053	.0245
%RSD	.16703	3.6675	14.278	.15648	17.659	4.9265	1.6344
#1	.42272	.05014	-.03724	1.4882	.04028	.01014	1.4912
#2	.42131	.04780	-.04313	1.4836	.04297	.01116	1.5242
#3	.42201	.05140	-.03241	1.4865	.03029	.01089	1.4764

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.4805	.05586	.02885	-.01186	.02076
SDev	.0151	.02309	.01008	.03241	.01448
%RSD	1.0189	41.339	34.948	273.21	69.739
#1	1.4867	.03986	.04049	-.00250	.01645
#2	1.4633	.08234	.02332	-.04792	.03691
#3	1.4915	.04539	.02275	.01483	.00893

Method: KICAP Sample Name: 0904022-004A Operator: CT
Run Time: 04/09/09 17:32:01
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00274	248.5	.43662	3.3120	.04908	1480.	.00591
SDev	.00068	.4	.00395	.0033	.00020	4.	.00053
%RSD	24.851	.1651	.90439	.10021	.39964	.2717	8.8974
#1	-.00196	248.4	.44117	3.3119	.04930	1484.	.00650
#2	-.00309	249.0	.43413	3.3154	.04899	1479.	.00572
#3	-.00318	248.2	.43455	3.3088	.04894	1476.	.00550

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06217	.84736	.26258	96.703	19.09	255.6	34.617
SDev	.00336	.00312	.00249	.245	.26	.9	.075
%RSD	5.4108	.36845	.94908	.25340	1.370	.3453	.21554
#1	.06600	.85082	.26457	96.963	19.40	256.6	34.687
#2	.05968	.84654	.26337	96.669	18.96	255.4	34.625
#3	.06084	.84474	.25978	96.477	18.93	254.9	34.538

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01791	7.468	.23385	.02224	2.0850	7.5277	.15208
SDev	.00542	.025	.00227	.00496	.0030	.0126	.00051
%RSD	30.236	.3343	.97065	22.306	.14248	.16796	.33361
#1	.02241	7.497	.23124	.02785	2.0865	7.5295	.15238
#2	.01190	7.457	.23536	.02044	2.0870	7.5394	.15237
#3	.01944	7.451	.23495	.01844	2.0816	7.5143	.15149

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1471	.05131	-.04221	1.5405	.02438	.00945	1.5481
SDev	.0024	.00208	.01032	.0010	.00265	.00528	.0180
%RSD	.20804	4.0521	24.457	.06706	10.864	55.850	1.1617
#1	1.1491	.05046	-.03058	1.5405	.02354	.00413	1.5688
#2	1.1477	.05368	-.05030	1.5395	.02735	.00952	1.5395
#3	1.1444	.04979	-.04576	1.5416	.02226	.01468	1.5361

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.5367	.03884	.01717	-.01290	.01685
SDev	.0093	.01725	.00908	.02098	.00259
%RSD	.60433	44.399	52.880	162.66	15.385
#1	1.5264	.05726	.00670	-.03452	.01968
#2	1.5395	.03619	.02294	-.01153	.01629
#3	1.5443	.02308	.02185	.00737	.01459

Method: KICAP Sample Name: 0904022-005A Operator: CT
Run Time: 04/09/09 17:36:29
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00087	316.8	.33607	2.1817	.05606	1646.	.00369
SDev	.00114	1.7	.00509	.0109	.00043	10.	.00026
%RSD	130.15	.5444	1.5141	.50129	.76612	.6193	7.0787
#1	.00195	314.8	.33046	2.1692	.05557	1634.	.00341
#2	-.00032	317.8	.33738	2.1891	.05627	1651.	.00372
#3	.00099	317.7	.34039	2.1870	.05635	1653.	.00393

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04446	.23445	.59465	148.25	20.81	92.09	21.160
SDev	.00238	.00330	.00397	1.07	.19	.67	.131
%RSD	5.3590	1.4083	.66695	.72319	.9034	.7319	.61956
#1	.04203	.23090	.59007	147.02	20.63	91.33	21.009
#2	.04457	.23505	.59705	148.76	20.80	92.32	21.225
#3	.04679	.23742	.59682	148.98	21.01	92.62	21.246

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00554	8.254	.13964	.07695	2.1748	8.0857	.19494
SDev	.00242	.028	.00119	.00462	.0121	.0463	.00132
%RSD	43.615	.3394	.85112	6.0047	.55489	.57303	.67811
#1	.00828	8.223	.13896	.07187	2.1608	8.0324	.19372
#2	.00372	8.265	.13894	.07808	2.1822	8.1161	.19475
#3	.00463	8.276	.14101	.08090	2.1813	8.1087	.19635

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1629	.08628	-.01783	60.127	.02350	.57039	58.731
SDev	.0081	.00294	.01117	.415	.00581	.00738	.287
%RSD	.69521	3.4060	62.654	.69011	24.717	1.2932	.48786
#1	1.1539	.08290	-.02327	59.653	.01953	.56330	58.403
#2	1.1654	.08773	-.02524	60.309	.02081	.56986	58.864
#3	1.1695	.08821	-.00498	60.421	.03016	.57802	58.928

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	58.974	.04918	.01068	.54894	.58485
SDev	.314	.00656	.00998	.01985	.00900
%RSD	.53249	13.347	93.455	3.6152	1.5382
#1	58.641	.05615	.00124	.54096	.57820
#2	59.016	.04311	.00967	.53434	.59509
#3	59.265	.04827	.02112	.57154	.58126

Method: KICAP Sample Name: 0904022-009A Operator: CT
Run Time: 04/09/09 17:40:56
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01346	62.48	.06742	3.7694	.00608	204.5	.01584
SDev	.00422	.10	.00163	.0123	.00003	.4	.00018
%RSD	31.344	.1572	2.4226	.32644	.53740	.2195	1.1357
#1	.00917	62.56	.06605	3.7794	.00605	204.9	.01586
#2	.01760	62.37	.06699	3.7557	.00610	204.0	.01565
#3	.01360	62.52	.06923	3.7731	.00610	204.5	.01601

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16033	.33825	3.5972	229.06	8.447	56.92	15.400
SDev	.00103	.00058	.0093	.42	.103	.09	.029
%RSD	.63955	.17162	.25871	.18531	1.222	.1664	.18690
#1	.15925	.33808	3.6040	229.21	8.329	56.92	15.419
#2	.16043	.33777	3.5866	228.58	8.494	56.83	15.367
#3	.16130	.33890	3.6009	229.39	8.519	57.02	15.414

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01734	2.344	.24827	.46451	.81770	2.5155	.24466
SDev	.00251	.001	.00290	.00898	.00203	.0042	.00116
%RSD	14.452	.0265	1.1694	1.9333	.24837	.16653	.47439
#1	.01650	2.343	.24523	.45470	.81944	2.5190	.24460
#2	.01536	2.344	.24854	.46648	.81547	2.5109	.24586
#3	.02016	2.344	.25102	.47234	.81820	2.5167	.24354

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.1216	.18821	-.02181	151.80	.01435	1.6802	152.89
SDev	.0170	.00449	.00678	.25	.00205	.0067	.26
%RSD	.18678	2.3876	31.087	.16517	14.321	.39618	.16691
#1	9.1321	.18342	-.02933	152.04	.01208	1.6728	153.16
#2	9.1019	.19233	-.01994	151.54	.01489	1.6820	152.65
#3	9.1308	.18889	-.01616	151.83	.01607	1.6857	152.85

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	153.28	.01523	.01391	1.6758	1.6823
SDev	.14	.01350	.00949	.0197	.0023
%RSD	.09382	88.666	68.229	1.1785	.13517
#1	153.45	.03025	.00300	1.6530	1.6826
#2	153.19	.00407	.02030	1.6861	1.6799
#3	153.22	.01138	.01842	1.6883	1.6844

Method: KICAP Sample Name: 0904022-010A Operator: CT
Run Time: 04/09/09 17:45:24
Comment:
Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00151	30.62	.12044	1.2660	.00234	1176.	.01415
SDev	.00100	.21	.00205	.0080	.00003	8.	.00016
%RSD	65.734	.6885	1.7009	.63538	1.4246	.7002	1.1163
#1	.00089	30.46	.11816	1.2604	.00231	1169.	.01397
#2	.00099	30.86	.12213	1.2752	.00235	1185.	.01423
#3	.00266	30.55	.12101	1.2624	.00237	1175.	.01425

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02333	.34140	.57201	79.197	4.769	672.7	7.3821
SDev	.00097	.00297	.00520	.593	.053	5.0	.0514
%RSD	4.1764	.86858	.90945	.74831	1.103	.7496	.69673
#1	.02221	.33822	.56826	78.642	4.712	668.0	7.3382
#2	.02375	.34409	.57795	79.821	4.779	678.0	7.4387
#3	.02402	.34188	.56981	79.128	4.816	672.2	7.3695

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01106	2.118	.14653	.05161	.55024	1.2949	.15396
SDev	.00124	.009	.00069	.00204	.00360	.0092	.00123
%RSD	11.170	.4185	.46934	3.9442	.65504	.70806	.79975
#1	.00988	2.110	.14576	.04931	.54800	1.2874	.15254
#2	.01234	2.128	.14708	.05235	.55440	1.3052	.15480
#3	.01097	2.115	.14675	.05318	.54833	1.2922	.15453

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.9140	.04595	-.02606	3.0156	.00261	.00509	3.0222
SDev	.0275	.00126	.00123	.0170	.00042	.00270	.0040
%RSD	.70293	2.7464	4.7154	.56536	16.143	52.989	.13350
#1	3.8901	.04450	-.02653	2.9968	.00306	.00558	3.0182
#2	3.9441	.04660	-.02467	3.0300	.00223	.00218	3.0262
#3	3.9079	.04676	-.02698	3.0199	.00253	.00752	3.0223

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.0123	.01255	-.00236	-.00552	.01139
SDev	.0236	.00252	.00152	.00638	.00083
%RSD	.78322	20.119	64.303	115.47	7.2968
#1	2.9861	.01304	-.00192	-.00567	.01120
#2	3.0320	.01479	-.00404	-.01182	.01067
#3	3.0187	.00982	-.00111	.00093	.01230

Method: KICAP Sample Name: 0904022-010AMS Operator: CT
Run Time: 04/09/09 17:49:51
Comment:
Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09907	28.83	1.0027	1.2576	.38019	1231.	.37642
SDev	.00267	.75	.0226	.0316	.00951	31.	.00909
%RSD	2.6979	2.586	2.2553	2.5105	2.5019	2.547	2.4156
#1	.10162	29.30	1.0163	1.2773	.38647	1252.	.38265
#2	.09929	29.22	1.0153	1.2743	.38484	1246.	.38061
#3	.09629	27.97	.97663	1.2212	.36924	1195.	.36598

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39178	.74798	.96265	78.131	38.91	723.4	7.0180
SDev	.00950	.01804	.02457	1.889	1.21	18.9	.1715
%RSD	2.4257	2.4113	2.5522	2.4176	3.118	2.608	2.4441
#1	.39820	.76056	.97727	79.378	39.79	736.4	7.1316
#2	.39628	.75607	.97640	79.057	39.42	732.0	7.1016
#3	.38086	.72732	.93429	75.958	37.53	701.8	6.8206

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38102	26.09	.51452	.39901	.82085	1.2942	.47258
SDev	.01060	.69	.01200	.01132	.02022	.0326	.01138
%RSD	2.7812	2.662	2.3328	2.8381	2.4637	2.5203	2.4080
#1	.38611	26.56	.52218	.40728	.83358	1.3152	.48081
#2	.38812	26.41	.52069	.40364	.83144	1.3107	.47734
#3	.36884	25.29	.50069	.38610	.79753	1.2566	.45959

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4741	.43853	.35375	3.1222	.38735	.25137	3.0873
SDev	.1357	.01099	.00451	.0673	.00629	.00444	.0830
%RSD	2.4794	2.5067	1.2743	2.1551	1.6229	1.7661	2.6894
#1	5.5614	.44632	.35428	3.1713	.39094	.25560	3.1587
#2	5.5432	.44332	.35797	3.1498	.39102	.25175	3.1072
#3	5.3177	.42596	.34900	3.0455	.38009	.24675	2.9962

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.1397	.38924	.38641	.24888	.25311
SDev	.0603	.00938	.00584	.00527	.00539
%RSD	1.9194	2.4087	1.5110	2.1180	2.1307
#1	3.1777	.39855	.38714	.25401	.25490
#2	3.1711	.38937	.39185	.24348	.25738
#3	3.0702	.37980	.38024	.24914	.24705

Method: KICAP Sample Name: CCVH8 Operator: CT
Run Time: 04/09/09 17:54:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.0231	.00221	.00037	.00014	48.56	.00020
SDev	.00080	.0073	.00101	.00021	.00005	.53	.00017
%RSD	966480.	31.72	45.624	57.284	37.319	1.090	83.313
#1	.00082	.0295	.00319	.00056	.00019	48.97	.00036
#2	-.00005	.0246	.00226	.00042	.00015	48.74	.00024
#3	-.00078	.0151	.00118	.00014	.00009	47.96	.00002
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	5.0243	-.00005	10.083	.0010	.0799	.00073
SDev	.00089	.0705	.00061	.110	.0420	.0543	.00058
%RSD	103.89	1.4034	1205.1	1.0918	4136.	68.01	79.814
#1	.00157	5.0730	.00037	10.164	.0377	.1387	.00134
#2	.00113	5.0564	.00023	10.127	.0102	.0693	.00067
#3	-.00014	4.9434	-.00075	9.9577	-.0448	.0316	.00018
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	49.07	.00022	.00116	.00071	.00082	-.00011
SDev	.00073	.66	.00054	.00231	.00011	.00037	.00036
%RSD	564.50	1.344	243.47	199.70	15.946	45.159	318.51
#1	.00060	49.62	.00077	.00276	.00083	.00116	.00008
#2	.00051	49.26	.00019	.00220	.00071	.00087	.00011
#3	-.00072	48.34	-.00030	-.00149	.00060	.00043	-.00052
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00174	-.00184	.00033	9.9566	.00026	-.00306	9.9989
SDev	.00046	.00167	.00332	.1046	.00091	.00087	.0359
%RSD	26.357	90.831	1016.8	1.0502	351.82	28.460	.35882
#1	.00221	-.00014	.00374	10.034	.00109	-.00387	10.018
#2	.00172	-.00189	.00013	9.9981	-.00072	-.00214	10.021
#3	.00130	-.00348	-.00289	9.8377	.00041	-.00316	9.9575
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.066	.00112	-.00017	-.01556	.00344
SDev	.004	.00098	.00185	.00233	.00086
%RSD	.04370	87.829	1100.4	14.990	24.961
#1	10.066	.00029	.00149	-.01420	.00279
#2	10.061	.00220	-.00217	-.01825	.00441
#3	10.070	.00086	.00018	-.01422	.00311
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV8 Operator: CT
Run Time: 04/09/09 17:58:45
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24643	4.853	.48930	.49047	.49277	9.875	.49461
SDev	.00104	.026	.00492	.00323	.00382	.054	.00382
%RSD	.42222	.5389	1.0059	.65925	.77593	.5508	.77265
#1	.24570	4.830	.48480	.48746	.48924	9.827	.49138
#2	.24596	4.848	.48855	.49005	.49223	9.864	.49361
#3	.24762	4.881	.49455	.49389	.49683	9.934	.49883
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49459	.49779	.48809	.98940	10.50	9.779	.48537
SDev	.00382	.00302	.00301	.00587	.05	.074	.00355
%RSD	.77318	.60653	.61657	.59334	.4543	.7596	.73140
#1	.49120	.49496	.48515	.98399	10.51	9.716	.48216
#2	.49384	.49744	.48796	.98857	10.45	9.759	.48475
#3	.49874	.50097	.49116	.99564	10.54	9.861	.48918
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49351	9.722	.50696	.49062	.49017	.49390	.49843
SDev	.00582	.017	.00378	.00452	.00299	.00370	.00370
%RSD	1.1795	.1784	.74605	.92042	.61029	.74904	.74266
#1	.48744	9.722	.50363	.48638	.48735	.49034	.49512
#2	.49406	9.704	.50619	.49013	.48984	.49365	.49773
#3	.49904	9.739	.51107	.49537	.49331	.49773	.50243
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48552	.49119	.49105	.49160	.49155	.48811	.49168
SDev	.00343	.00468	.00425	.00185	.00522	.00495	.00214
%RSD	.70651	.95279	.86618	.37700	1.0619	1.0143	.43542
#1	.48217	.48666	.48734	.48967	.48571	.48437	.48921
#2	.48537	.49088	.49012	.49177	.49317	.48623	.49284
#3	.48902	.49601	.49569	.49336	.49576	.49373	.49299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.49156	.49438	.49013	.48604	.48914	
SDev	.00185	.00604	.00486	.00488	.00378	
%RSD	.37607	1.2214	.99098	1.0045	.77242	
#1	.48989	.48745	.48484	.48298	.48582	
#2	.49123	.49716	.49118	.48348	.48836	
#3	.49355	.49852	.49438	.49167	.49325	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB8 Operator: CT
Run Time: 04/09/09 18:03:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00066	.0263	.00226	.00100	.00020	.0222	.00039
SDev	.00110	.0021	.00040	.00004	.00006	.0016	.00006
%RSD	166.97	8.113	17.461	4.0283	29.700	7.391	15.815
#1	.00159	.0242	.00271	.00105	.00026	.0232	.00044
#2	-.00055	.0261	.00198	.00098	.00019	.0231	.00032
#3	.00093	.0285	.00209	.00098	.00015	.0203	.00041

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00137	.00165	.00046	.00271	.0223	.0133	.00021
SDev	.00021	.00006	.00053	.00016	.0106	.0009	.00008
%RSD	15.171	3.7909	114.34	6.0979	47.29	6.812	38.204
#1	.00133	.00169	.00053	.00274	.0221	.0139	.00029
#2	.00119	.00158	.00095	.00254	.0119	.0123	.00014
#3	.00160	.00168	-.00010	.00286	.0330	.0139	.00018

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00149	.0091	.00066	.00059	.00028	.00071	.00032
SDev	.00086	.0010	.00052	.00073	.00007	.00020	.00055
%RSD	57.465	10.93	79.203	124.38	24.226	28.634	171.51
#1	.00225	.0100	.00127	-.00023	.00036	.00071	.00077
#2	.00166	.0091	.00036	.00083	.00025	.00051	-.00029
#3	.00056	.0080	.00036	.00116	.00023	.00092	.00049

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00014	.00027	.00329	.00197	.00030	.00091	.00271
SDev	.00019	.00074	.00064	.00045	.00184	.00150	.00544
%RSD	132.77	275.09	19.555	23.048	620.60	164.83	200.59
#1	.00007	.00083	.00401	.00247	-.00090	.00232	.00051
#2	-.00026	.00055	.00308	.00159	-.00062	-.00067	.00891
#3	-.00023	-.00057	.00278	.00185	.00241	.00108	-.00128

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00160	.00350	-.00130	-.00143	.00208
SDev	.00317	.00562	.00457	.00952	.00346
%RSD	198.05	160.52	350.27	665.65	166.46
#1	.00346	-.00024	-.00123	.00485	.00105
#2	-.00206	.00996	-.00591	-.01238	.00593
#3	.00341	.00078	.00322	.00324	-.00075

Method: KICAP Sample Name: 0904022-010AMSD Operator: CT
Run Time: 04/09/09 18:07:39
Comment:
Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09900	37.30	1.0286	1.4550	.38202	1324.	.37413
SDev	.00308	.82	.0214	.0311	.00814	29.	.00811
%RSD	3.1133	2.191	2.0850	2.1356	2.1306	2.155	2.1675
#1	.10141	37.97	1.0471	1.4809	.38899	1349.	.38127
#2	.10006	37.54	1.0337	1.4636	.38400	1331.	.37581
#3	.09553	36.39	1.0051	1.4205	.37308	1293.	.36532

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39137	.72981	.95322	83.262	40.03	788.2	7.5499
SDev	.00844	.01522	.02065	1.759	1.13	18.3	.1612
%RSD	2.1578	2.0854	2.1661	2.1124	2.814	2.324	2.1355
#1	.39881	.74347	.97030	84.767	41.03	804.2	7.6889
#2	.39310	.73255	.95909	83.689	40.26	792.2	7.5876
#3	.38219	.71340	.93027	81.328	38.81	768.2	7.3731

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38011	26.36	.51958	.40538	.89803	1.2718	.47345
SDev	.00792	.60	.01238	.00958	.01927	.0268	.01093
%RSD	2.0844	2.285	2.3828	2.3624	2.1463	2.1109	2.3087
#1	.38565	26.87	.53071	.41493	.91443	1.2948	.48305
#2	.38364	26.51	.52178	.40543	.90284	1.2784	.47575
#3	.37103	25.69	.50624	.39577	.87680	1.2423	.46156

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0013	.44074	.35474	3.1282	.38548	.23621	3.1203
SDev	.0856	.00772	.00424	.0654	.00940	.00328	.0749
%RSD	2.1388	1.7521	1.1942	2.0910	2.4373	1.3877	2.3996
#1	4.0741	.44806	.35598	3.1766	.39260	.23940	3.1910
#2	4.0227	.44150	.35822	3.1541	.38900	.23637	3.1279
#3	3.9070	.43267	.35002	3.0538	.37483	.23285	3.0419

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.1321	.38906	.38369	.22773	.23944
SDev	.0627	.01144	.00852	.00426	.00483
%RSD	2.0025	2.9416	2.2214	1.8702	2.0169
#1	3.1694	.39937	.38922	.22929	.24446
#2	3.1672	.39107	.38797	.23099	.23905
#3	3.0597	.37675	.37387	.22291	.23482

Method: KICAP Sample Name: 0904022-010ASD Operator: CT
Run Time: 04/09/09 18:12:06
Comment:
Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00237	31.35	.10919	1.3157	.00317	1175.	.01410
SDev	.01115	.09	.00408	.0063	.00009	4.	.00134
%RSD	471.14	.2994	3.7366	.48172	2.7031	.3718	9.4830
#1	-.01524	31.45	.10453	1.3229	.00315	1179.	.01256
#2	.00442	31.28	.11213	1.3110	.00326	1171.	.01478
#3	.00372	31.31	.11090	1.3131	.00309	1173.	.01495

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02034	.41292	.57077	88.121	2.663	680.9	7.8573
SDev	.00647	.00423	.00371	.179	.427	1.2	.0301
%RSD	31.819	1.0249	.64940	.20302	16.04	.1833	.38268
#1	.01297	.40811	.56775	88.287	2.174	682.1	7.8907
#2	.02509	.41610	.56965	87.931	2.964	679.6	7.8324
#3	.02295	.41453	.57491	88.145	2.851	680.9	7.8488

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01368	1.706	.15787	.03445	.57455	1.3674	.15841
SDev	.00976	.008	.00517	.01664	.00286	.0038	.00459
%RSD	71.344	.4733	3.2737	48.304	.49851	.27725	2.8961
#1	.00241	1.697	.15207	.01625	.57782	1.3716	.15318
#2	.01931	1.713	.15953	.03823	.57249	1.3643	.16174
#3	.01931	1.708	.16200	.04888	.57334	1.3663	.16031

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0772	.05186	-.03845	3.1990	.00726	.00564	3.1888
SDev	.0183	.01202	.01614	.0276	.00494	.00264	.0240
%RSD	.44811	23.187	41.964	.86293	67.985	46.829	.75367
#1	4.0982	.03802	-.05598	3.1680	.00156	.00346	3.1885
#2	4.0648	.05777	-.03518	3.2083	.01003	.00488	3.1649
#3	4.0686	.05979	-.02420	3.2208	.01019	.00858	3.2130

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.2041	.04144	-.00980	-.04512	.03348
SDev	.0402	.02204	.01840	.01035	.00983
%RSD	1.2557	53.192	187.64	22.936	29.357
#1	3.1578	.06688	-.03105	-.04794	.04411
#2	3.2299	.02800	.00105	-.03366	.03161
#3	3.2248	.02943	.00058	-.05377	.02472

Method: KICAP Sample Name: 0904022-010APDS Operator: CT
Run Time: 04/09/09 18:16:33
Comment:
Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19477	33.60	2.0465	1.9225	.74088	1177.	.71436
SDev	.00079	.25	.0194	.0121	.00546	8.	.00521
%RSD	.40473	.7392	.94749	.63082	.73669	.6956	.72973
#1	.19386	33.32	2.0242	1.9090	.73468	1168.	.70838
#2	.19518	33.79	2.0599	1.9325	.74497	1183.	.71791
#3	.19526	33.68	2.0553	1.9261	.74298	1180.	.71680

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.73709	1.0536	1.3336	80.824	73.00	691.9	7.8749
SDev	.00589	.0088	.0083	.634	.36	5.1	.0546
%RSD	.79872	.83842	.62469	.78500	.4929	.7393	.69346
#1	.73037	1.0434	1.3242	80.097	72.60	686.0	7.8130
#2	.74131	1.0592	1.3402	81.269	73.31	695.6	7.9161
#3	.73960	1.0583	1.3363	81.104	73.08	694.0	7.8956

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.74389	42.96	.87340	.79888	1.2420	2.0177	.89921
SDev	.00762	.37	.00937	.00713	.0088	.0132	.00671
%RSD	1.0249	.8643	1.0727	.89296	.70908	.65409	.74676
#1	.73585	42.67	.86265	.79067	1.2320	2.0029	.89158
#2	.74480	43.38	.87770	.80359	1.2487	2.0282	.90423
#3	.75102	42.84	.87985	.80238	1.2452	2.0221	.90182

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.5305	.82118	.73745	3.6411	.76078	.79955	3.6491
SDev	.0318	.00967	.01208	.0242	.00889	.00774	.0130
%RSD	.70273	1.1776	1.6383	.66407	1.1685	.96795	.35529
#1	4.4945	.81003	.72459	3.6154	.75067	.79081	3.6426
#2	4.5551	.82625	.73918	3.6633	.76431	.80232	3.6406
#3	4.5418	.82726	.74857	3.6447	.76737	.80553	3.6640

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.6372	.77352	.75442	.78323	.80770
SDev	.0365	.00399	.01378	.01882	.00719
%RSD	1.0031	.51549	1.8259	2.4028	.89000
#1	3.6018	.77500	.73853	.76263	.80338
#2	3.6746	.76901	.76197	.79951	.80371
#3	3.6351	.77656	.76278	.78756	.81599

Method: KICAP Sample Name: 0904022-011A Operator: CT
Run Time: 04/09/09 18:21:00
Comment:
Mode: CONC Corr. Factor: 20

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01358	48.28	.12688	6.3514	.00621	408.9	.01960
SDev	.01686	.10	.01654	.0154	.00119	3.0	.00173
%RSD	124.13	.2023	13.034	.24227	19.183	.7424	8.8462
#1	-.00298	48.33	.14595	6.3589	.00757	412.0	.02133
#2	.01301	48.33	.11650	6.3617	.00576	408.8	.01960
#3	.03073	48.16	.11819	6.3337	.00531	406.0	.01787

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06335	.25132	1.4309	129.19	4.676	140.5	7.1606
SDev	.00179	.00602	.0040	.42	.282	1.3	.0275
%RSD	2.8233	2.3936	.27826	.32285	6.021	.9452	.38396
#1	.06501	.25812	1.4354	129.52	4.964	141.9	7.1836
#2	.06358	.24669	1.4278	129.34	4.401	140.3	7.1681
#3	.06145	.24915	1.4297	128.72	4.662	139.3	7.1302

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03470	1.848	.16439	.25634	1.3150	1.3805	.16181
SDev	.01725	.057	.01630	.01738	.0050	.0074	.01208
%RSD	49.698	3.105	9.9164	6.7787	.38188	.53604	7.4626
#1	.04963	1.913	.14567	.27073	1.3192	1.3889	.14951
#2	.03866	1.827	.17211	.26126	1.3163	1.3778	.16229
#3	.01582	1.804	.17541	.23704	1.3094	1.3748	.17364

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.715	.27991	.04667	501.10	.01466	25.591	512.17
SDev	.028	.01804	.01052	.97	.01361	.108	3.09
%RSD	.26499	6.4446	22.534	.19402	92.836	.42135	.60392
#1	10.729	.26011	.03573	501.67	.02947	25.466	515.73
#2	10.733	.28421	.05671	501.64	.01181	25.655	510.22
#3	10.682	.29541	.04757	499.97	.00270	25.651	510.55

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	510.25	.11814	-.03700	25.410	25.671
SDev	4.42	.08657	.02853	.560	.130
%RSD	.86663	73.274	77.114	2.2027	.50499
#1	505.16	.21513	-.06322	24.775	25.796
#2	513.12	.04870	-.00661	25.831	25.537
#3	512.48	.09060	-.04118	25.624	25.679

Method: KICAP Sample Name: 0904022-014A Operator: CT
Run Time: 04/09/09 18:25:28
Comment:
Mode: CONC Corr. Factor: 50

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04755	46.95	.15679	3.9231	.00769	208.7	.04012
SDev	.03426	.44	.03141	.0161	.00127	1.3	.00623
%RSD	72.039	.9369	20.036	.41116	16.466	.6387	15.537
#1	.07854	46.45	.14035	3.9044	.00648	207.2	.03520
#2	.05336	47.09	.13700	3.9324	.00760	209.1	.03804
#3	.01077	47.30	.19301	3.9324	.00900	209.7	.04713

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11365	.39261	1.7858	248.77	4.258	52.92	5.2846
SDev	.03100	.02611	.0365	1.64	1.737	.64	.0342
%RSD	27.279	6.6501	2.0446	.66088	40.78	1.201	.64730
#1	.08874	.37467	1.7459	246.92	2.956	52.23	5.2484
#2	.10383	.38060	1.7938	249.30	3.588	53.03	5.2892
#3	.14837	.42256	1.8177	250.08	6.230	53.49	5.3164

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04566	1.726	.29447	.88194	.70577	1.6384	.17543
SDev	.02981	.072	.00712	.09828	.00454	.0183	.01650
%RSD	65.290	4.168	2.4182	11.143	.64381	1.1187	9.4071
#1	.01216	1.674	.29857	.80266	.70084	1.6232	.19378
#2	.05556	1.696	.29858	.85127	.70668	1.6333	.16181
#3	.06926	1.808	.28624	.99190	.70979	1.6587	.17070

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.593	.38759	.08802	914.74	.00082	31.966	939.77
SDev	.067	.07017	.08615	5.55	.06933	.116	1.71
%RSD	.57972	18.105	97.882	.60630	8505.7	.36145	.18239
#1	11.521	.31054	.04776	908.51	-.00763	31.919	937.80
#2	11.604	.40439	.02936	916.60	.07398	31.882	940.64
#3	11.654	.44784	.18693	919.12	-.06390	32.098	940.89

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	937.10	.01960	-.00856	31.971	31.964
SDev	8.72	.36191	.17587	.528	.216
%RSD	.93090	1846.7	2054.1	1.6530	.67678
#1	936.88	-.38691	.18172	32.392	31.720
#2	928.49	.30679	-.04225	31.378	32.133
#3	945.93	.13890	-.16516	32.144	32.037

Method: KICAP Sample Name: 0904022-015A Operator: CT
Run Time: 04/09/09 18:29:55
Comment:
Mode: CONC Corr. Factor: 20

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00893	47.11	.06883	2.3515	.00533	191.5	.01578
SDev	.01722	.39	.01575	.0138	.00036	1.6	.00214
%RSD	192.80	.8327	22.882	.58608	6.7160	.8324	13.550
#1	.00951	47.50	.08660	2.3608	.00573	193.0	.01815
#2	-.00857	47.12	.05656	2.3580	.00507	191.7	.01399
#3	.02586	46.72	.06334	2.3357	.00518	189.8	.01522

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06732	.27210	1.3091	192.26	5.176	78.77	10.059
SDev	.01016	.00853	.0133	1.54	.732	.65	.067
%RSD	15.094	3.1369	1.0154	.80107	14.14	.8308	.66563
#1	.07869	.28195	1.3203	193.73	5.972	79.43	10.113
#2	.05912	.26678	1.3126	192.41	4.533	78.76	10.081
#3	.06415	.26758	1.2944	190.66	5.022	78.13	9.9840

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01095	1.059	.25640	.77628	.50308	1.6354	.20679
SDev	.00140	.036	.00573	.04668	.00391	.0139	.00645
%RSD	12.749	3.418	2.2361	6.0137	.77629	.84726	3.1191
#1	.01125	1.099	.25972	.81937	.50640	1.6503	.21150
#2	.00942	1.030	.24978	.78279	.50407	1.6330	.19944
#3	.01217	1.047	.25970	.72669	.49878	1.6229	.20943

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.6799	.21844	-.02033	298.75	.01882	3.5834	303.19
SDev	.0466	.02785	.03596	2.65	.02140	.0175	1.99
%RSD	.60678	12.748	176.93	.88600	113.67	.48971	.65533
#1	7.7134	.25001	.01994	301.24	.03516	3.5635	305.41
#2	7.6996	.20790	-.03167	299.03	.02670	3.5902	301.56
#3	7.6267	.19740	-.04925	295.97	-.00539	3.5965	302.61

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	304.81	.06163	-.00255	3.5272	3.6065
SDev	.94	.03558	.02689	.0151	.0069
%RSD	.30859	57.738	1054.7	.42808	.19129
#1	304.28	.05061	.02745	3.5104	3.6050
#2	305.90	.10142	-.01061	3.5397	3.6005
#3	304.26	.03286	-.02449	3.5315	3.6140

Method: KICAP Sample Name: 0904022-019A Operator: CT
Run Time: 04/09/09 18:34:23
Comment:
Mode: CONC Corr. Factor: 40

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01115	83.15	.09361	1.7936	.00702	234.9	.01893
SDev	.00633	.46	.02033	.0074	.00113	1.3	.00637
%RSD	56.746	.5476	21.718	.41211	16.059	.5390	33.684
#1	.00649	82.65	.07043	1.7852	.00582	233.5	.01228
#2	.01835	83.55	.10841	1.7992	.00806	235.9	.02499
#3	.00861	83.26	.10198	1.7964	.00717	235.3	.01951

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10966	.30391	4.5338	209.17	10.23	53.72	4.9158
SDev	.02613	.02614	.0282	1.00	1.51	.46	.0214
%RSD	23.828	8.6026	.62113	.47820	14.74	.8479	.43445
#1	.08212	.27603	4.5032	208.04	8.811	53.21	4.8917
#2	.13411	.32788	4.5586	209.95	11.82	54.09	4.9325
#3	.11274	.30782	4.5395	209.53	10.08	53.85	4.9231

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03409	.8847	.29252	.21779	.74821	1.8301	.20034
SDev	.03281	.0638	.00691	.03729	.00371	.0177	.00997
%RSD	96.231	7.209	2.3616	17.122	.49627	.96825	4.9788
#1	-.00306	.8200	.28478	.17887	.74395	1.8098	.19320
#2	.05906	.9475	.29805	.25320	.75080	1.8423	.21174
#3	.04627	.8867	.29473	.22130	.74987	1.8383	.19608

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8303	.14861	.03700	731.44	.03795	1.3749	751.13
SDev	.0236	.05145	.09355	3.45	.00540	.0312	3.27
%RSD	.61592	34.623	252.85	.47171	14.218	2.2726	.43514
#1	3.8032	.09416	-.05271	727.70	.04235	1.3808	747.70
#2	3.8462	.19642	.13396	734.49	.03957	1.3411	754.20
#3	3.8415	.15524	.02975	732.14	.03193	1.4027	751.48

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	751.05	.15479	-.02038	1.1670	1.4386
SDev	5.73	.11686	.06151	.1750	.0612
%RSD	.76323	75.498	301.83	14.993	4.2511
#1	747.39	.03294	.04705	1.3443	1.3691
#2	748.10	.26592	-.07343	.99445	1.4841
#3	757.65	.16550	-.03475	1.1624	1.4627

Method: KICAP Sample Name: 0904022-029A Operator: CT
Run Time: 04/09/09 18:38:51
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01497	57.03	.05198	.68724	.00543	166.9	.06996
SDev	.00063	.18	.00138	.00185	.00001	.5	.00015
%RSD	4.2019	.3147	2.6473	.26887	.26357	.3141	.21198
#1	.01424	56.83	.05095	.68515	.00542	166.4	.06982
#2	.01537	57.11	.05355	.68794	.00544	167.0	.07012
#3	.01529	57.16	.05145	.68864	.00544	167.4	.06993

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05144	.76332	.69951	276.52	6.490	28.14	14.570
SDev	.00037	.00267	.00140	.89	.011	.07	.035
%RSD	.72276	.35028	.20052	.32355	.1634	.2492	.23734
#1	.05120	.76029	.69892	275.52	6.493	28.06	14.533
#2	.05126	.76432	.70111	276.83	6.499	28.15	14.576
#3	.05187	.76534	.69850	277.23	6.478	28.20	14.601

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07053	.8578	.24776	.39935	.36844	1.3870	.16041
SDev	.00026	.0016	.00133	.00368	.00086	.0037	.00093
%RSD	.37379	.1833	.53577	.92155	.23479	.26630	.57796
#1	.07038	.8569	.24721	.40266	.36751	1.3827	.15972
#2	.07038	.8596	.24928	.40001	.36860	1.3886	.16005
#3	.07084	.8569	.24680	.39539	.36922	1.3896	.16147

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.833	.06268	-.01125	5.7445	.01002	.02198	5.7529
SDev	.033	.00258	.00642	.0264	.00253	.00356	.0068
%RSD	.24073	4.1108	57.066	.45896	25.286	16.185	.11849
#1	13.798	.06256	-.01672	5.7144	.01124	.02408	5.7535
#2	13.839	.06531	-.00418	5.7559	.01171	.01787	5.7458
#3	13.863	.06017	-.01284	5.7634	.00711	.02398	5.7594

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.7404	.02473	.00268	.00260	.02791
SDev	.0394	.01232	.00235	.00837	.00844
%RSD	.68715	49.803	87.858	321.97	30.231
#1	5.6949	.03029	.00174	-.00704	.03588
#2	5.7609	.03329	.00094	.00796	.01907
#3	5.7653	.01061	.00536	.00688	.02877

Method: KICAP Sample Name: 0904022-030A Operator: CT
Run Time: 04/09/09 18:43:18
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	301.8	.38721	2.6240	.04758	1549.	.01123
SDev	.00236	2.3	.00064	.0217	.00030	10.	.00055
%RSD	2628.4	.7716	.16525	.82749	.62174	.6302	4.8932
#1	.00229	299.1	.38784	2.5994	.04731	1538.	.01187
#2	.00038	303.5	.38656	2.6406	.04790	1557.	.01089
#3	-.00240	302.7	.38722	2.6319	.04754	1551.	.01094

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05445	.35566	.30410	143.98	23.97	173.8	28.001
SDev	.00226	.00063	.00189	.87	.11	.8	.181
%RSD	4.1483	.17651	.62250	.60286	.4571	.4847	.64778
#1	.05706	.35566	.30191	143.04	24.10	173.0	27.804
#2	.05310	.35628	.30532	144.75	23.90	174.6	28.161
#3	.05320	.35503	.30506	144.16	23.92	173.9	28.038

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00447	8.627	.22267	.04460	2.0747	10.615	.20112
SDev	.00324	.034	.00192	.00097	.0159	.084	.00133
%RSD	72.523	.3916	.86301	2.1857	.76586	.78833	.66132
#1	.00508	8.588	.22380	.04567	2.0570	10.520	.20054
#2	.00097	8.648	.22045	.04439	2.0879	10.680	.20264
#3	.00736	8.645	.22377	.04375	2.0791	10.643	.20017

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3306	.04488	-.01622	2.3274	.01755	.01554	2.3488
SDev	.0090	.00044	.00450	.0192	.00314	.00763	.0106
%RSD	.67733	.98952	27.745	.82320	17.900	49.127	.45032
#1	1.3216	.04532	-.01313	2.3091	.01865	.01850	2.3596
#2	1.3396	.04444	-.01414	2.3473	.02000	.00687	2.3481
#3	1.3306	.04487	-.02138	2.3258	.01401	.02124	2.3385

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.3167	.02292	.01487	.00082	.01914
SDev	.0316	.01193	.01010	.00853	.00792
%RSD	1.3648	52.047	67.922	1044.1	41.378
#1	2.2839	.02765	.01416	-.00861	.02454
#2	2.3469	.00935	.02532	.00800	.01005
#3	2.3195	.03176	.00515	.00306	.02282

Method: KICAP Sample Name: 0904022-031A Operator: CT
Run Time: 04/09/09 18:47:45
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00003	268.3	.29322	1.9316	.04019	1596.	.00444
SDev	.00351	1.1	.00055	.0073	.00018	6.	.00035
%RSD	12212.	.4186	.18804	.37675	.44328	.3784	7.8624
#1	.00403	267.2	.29265	1.9237	.03998	1589.	.00466
#2	-.00205	269.4	.29327	1.9380	.04029	1600.	.00404
#3	-.00206	268.2	.29375	1.9331	.04029	1598.	.00463

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03658	.36638	.23985	96.874	22.55	173.4	26.088
SDev	.00123	.00105	.00246	.378	.04	.6	.097
%RSD	3.3595	.28589	1.0257	.39049	.1621	.3535	.37302
#1	.03686	.36542	.23776	96.441	22.54	172.7	25.977
#2	.03524	.36622	.24256	97.143	22.53	173.8	26.160
#3	.03765	.36749	.23922	97.038	22.60	173.7	26.126

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	8.722	.15489	.03244	1.7940	10.550	.12215
SDev	.00686	.027	.00207	.00688	.0067	.042	.00154
%RSD	1921.5	.3049	1.3379	21.225	.37430	.39343	1.2618
#1	-.00360	8.692	.15462	.02451	1.7868	10.503	.12393
#2	.00828	8.743	.15708	.03587	1.8001	10.582	.12126
#3	-.00360	8.730	.15296	.03694	1.7951	10.564	.12125

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.93796	.04290	-.04659	2.2690	.02170	.01933	2.2738
SDev	.00393	.00711	.00177	.0070	.00518	.00551	.0041
%RSD	.41907	16.569	3.7979	.30716	23.857	28.494	.17972
#1	.93403	.04497	-.04479	2.2618	.02764	.02218	2.2716
#2	.94189	.04874	-.04833	2.2696	.01927	.01298	2.2785
#3	.93796	.03498	-.04666	2.2757	.01818	.02282	2.2712

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.2667	.03759	.01376	.00453	.02796
SDev	.0106	.01341	.01053	.01720	.00256
%RSD	.46890	35.669	76.500	379.71	9.1482
#1	2.2569	.03510	.02392	.01830	.02786
#2	2.2651	.05206	.00289	-.01475	.03057
#3	2.2780	.02560	.01448	.01005	.02546

Method: KICAP Sample Name: CCVH9 Operator: CT
Run Time: 04/09/09 18:52:13
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	.0313	.00234	.00037	.00012	49.04	.00030
SDev	.00030	.0058	.00024	.00008	.00002	.45	.00004
%RSD	508.84	18.61	10.390	21.651	13.907	.9152	14.172
#1	.00039	.0355	.00243	.00042	.00010	48.54	.00028
#2	-.00018	.0336	.00252	.00042	.00014	49.42	.00035
#3	-.00003	.0246	.00206	.00028	.00013	49.15	.00027
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00119	5.1026	.00031	10.203	.0151	.0243	.00127
SDev	.00030	.0582	.00083	.108	.0077	.0046	.00071
%RSD	25.523	1.1413	262.77	1.0594	51.30	19.07	55.942
#1	.00106	5.0424	.00046	10.082	.0140	.0279	.00195
#2	.00154	5.1587	.00106	10.288	.0233	.0259	.00131
#3	.00098	5.1067	-.00057	10.240	.0080	.0191	.00054
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	49.53	.00052	.00202	.00075	.00137	-.00023
SDev	.00174	.31	.00008	.00094	.00004	.00033	.00029
%RSD	436.73	.6279	15.811	46.479	5.6504	24.228	123.66
#1	.00019	49.19	.00044	.00119	.00078	.00159	-.00006
#2	.00224	49.81	.00061	.00304	.00076	.00152	-.00007
#3	-.00123	49.59	.00052	.00183	.00070	.00099	-.00057
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00124	-.00116	.00107	10.006	-.00023	-.00290	10.075
SDev	.00007	.00110	.00178	.099	.00105	.00098	.091
%RSD	5.7692	94.901	166.68	.98663	454.57	33.911	.90558
#1	.00119	-.00219	-.00033	9.8923	.00038	-.00403	9.9825
#2	.00132	.00000	.00307	10.072	-.00145	-.00231	10.165
#3	.00120	-.00130	.00047	10.053	.00037	-.00235	10.077
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.149	.00328	-.00199	-.01848	.00463
SDev	.157	.00575	.00390	.00676	.00226
%RSD	1.5449	174.99	196.50	36.593	48.880
#1	9.9871	.00659	-.00272	-.02015	.00401
#2	10.161	.00662	-.00547	-.02426	.00714
#3	10.300	-.00335	.00223	-.01104	.00274
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV9 Operator: CT
Run Time: 04/09/09 18:56:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25123	4.969	.50259	.49766	.50483	10.15	.50897
SDev	.00142	.025	.00281	.00206	.00201	.04	.00207
%RSD	.56334	.4972	.56005	.41422	.39894	.3508	.40724
#1	.25012	4.949	.49996	.49661	.50347	10.14	.50737
#2	.25282	4.996	.50556	.50003	.50715	10.20	.51131
#3	.25073	4.961	.50224	.49633	.50389	10.13	.50824
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51026	.51197	.49618	1.0143	10.83	10.11	.49774
SDev	.00202	.00193	.00232	.0036	.03	.04	.00201
%RSD	.39650	.37748	.46697	.35000	.3000	.3943	.40473
#1	.50859	.51091	.49474	1.0134	10.81	10.08	.49635
#2	.51251	.51420	.49885	1.0182	10.86	10.16	.50005
#3	.50968	.51080	.49493	1.0112	10.81	10.10	.49683
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50591	9.902	.52139	.50965	.49902	.50383	.51000
SDev	.00330	.028	.00272	.00353	.00200	.00203	.00203
%RSD	.65130	.2876	.52156	.69359	.40015	.40282	.39880
#1	.50233	9.902	.51935	.50666	.49773	.50261	.50840
#2	.50882	9.930	.52447	.51355	.50132	.50617	.51229
#3	.50658	9.873	.52034	.50873	.49802	.50271	.50930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49736	.50471	.51225	.50825	.50874	.50117	.50839
SDev	.00220	.00275	.00579	.00252	.00496	.00375	.00270
%RSD	.44158	.54451	1.1308	.49618	.97456	.74748	.53159
#1	.49587	.50197	.50559	.50543	.50303	.49707	.50986
#2	.49988	.50746	.51611	.51028	.51195	.50200	.51004
#3	.49632	.50470	.51506	.50905	.51124	.50442	.50527
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50819	.51030	.50796	.50063	.50169	
SDev	.00431	.00450	.00658	.00581	.00314	
%RSD	.84827	.88196	1.2946	1.1599	.62568	
#1	.50322	.50797	.50056	.49486	.49818	
#2	.51041	.51549	.51018	.50055	.50423	
#3	.51094	.50744	.51314	.50647	.50265	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB9 Operator: CT
Run Time: 04/09/09 19:01:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	.0239	.00213	.00102	.00016	.0254	.00033
SDev	.00064	.0024	.00058	.00008	.00008	.0041	.00012
%RSD	527.73	10.14	27.262	7.8729	47.903	15.97	38.087
#1	.00011	.0261	.00271	.00112	.00025	.0301	.00043
#2	-.00085	.0213	.00155	.00098	.00012	.0235	.00019
#3	.00037	.0243	.00214	.00098	.00011	.0226	.00036

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00121	.00150	-.00011	.00247	.0061	.0104	.00022
SDev	.00032	.00033	.00043	.00047	.0177	.0034	.00008
%RSD	26.387	22.146	385.14	18.999	289.7	33.02	38.054
#1	.00133	.00169	-.00038	.00296	.0103	.0139	.00032
#2	.00085	.00112	-.00033	.00202	-.0133	.0070	.00016
#3	.00146	.00170	.00038	.00243	.0214	.0102	.00019

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.0084	.00022	.00102	.00027	.00047	.00012
SDev	.00050	.0019	.00067	.00077	.00008	.00026	.00046
%RSD	143.71	22.28	301.49	75.112	28.466	54.052	384.94
#1	.00038	.0106	.00061	.00160	.00036	.00071	.00031
#2	-.00017	.0070	-.00055	.00015	.00022	.00020	-.00040
#3	.00084	.0077	.00061	.00131	.00023	.00051	.00045

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	-.00096	.00262	.00187	-.00039	.00180	.00156
SDev	.00010	.00120	.00090	.00022	.00029	.00045	.00124
%RSD	43.390	126.04	34.285	12.010	74.167	24.923	79.764
#1	-.00012	-.00120	.00323	.00212	-.00073	.00220	.00019
#2	-.00030	-.00202	.00159	.00183	-.00025	.00131	.00261
#3	-.00026	.00035	.00303	.00168	-.00020	.00189	.00188

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00203	.00133	-.00125	-.00109	.00200
SDev	.00091	.00394	.00166	.00259	.00099
%RSD	44.879	295.01	132.82	237.67	49.763
#1	.00308	-.00228	.00005	.00167	.00097
#2	.00144	.00553	-.00313	-.00346	.00295
#3	.00158	.00075	-.00068	-.00148	.00208

Method: KICAP Sample Name: 0904022-033A Operator: CT
Run Time: 04/09/09 19:05:35
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00472	336.7	.71196	5.1989	.06469	1198.	.00753
SDev	.00247	1.1	.00032	.0084	.00007	1.	.00004
%RSD	52.252	.3265	.04506	.16097	.10685	.1242	.58785
#1	-.00597	336.0	.71166	5.1939	.06462	1197.	.00755
#2	-.00188	338.0	.71230	5.2086	.06476	1200.	.00748
#3	-.00631	336.2	.71194	5.1942	.06468	1198.	.00756

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11497	.45568	.36815	419.21	24.35	161.3	64.735
SDev	.00090	.00042	.00049	.58	.07	.1	.070
%RSD	.78568	.09225	.13419	.13763	.2930	.0921	.10872
#1	.11599	.45614	.36814	418.84	24.43	161.2	64.694
#2	.11427	.45532	.36865	419.88	24.28	161.4	64.817
#3	.11465	.45557	.36766	418.93	24.34	161.2	64.695

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00880	6.071	.27135	.06527	2.3358	7.1084	.13594
SDev	.00480	.010	.00104	.00259	.0035	.0104	.00177
%RSD	54.576	.1670	.38230	3.9731	.14796	.14657	1.3026
#1	.00416	6.074	.27026	.06775	2.3331	7.1016	.13416
#2	.00850	6.079	.27148	.06258	2.3397	7.1204	.13770
#3	.01375	6.059	.27232	.06549	2.3346	7.1031	.13595

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98789	.45800	-.05076	.85571	.04790	.01010	.87692
SDev	.00140	.00224	.00267	.00363	.00446	.00763	.01226
%RSD	.14202	.48959	5.2600	.42389	9.3209	75.546	1.3980
#1	.98648	.45757	-.04771	.85866	.05276	.01825	.89002
#2	.98928	.46042	-.05188	.85681	.04399	.00896	.86573
#3	.98790	.45600	-.05269	.85166	.04694	.00311	.87501

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.84512	.07553	.03410	-.01131	.01705
SDev	.00645	.01584	.00392	.02029	.01072
%RSD	.76284	20.966	11.506	179.36	62.866
#1	.84300	.08752	.03541	-.01783	.02876
#2	.85236	.05758	.03720	.01144	.00773
#3	.84000	.08150	.02969	-.02755	.01466

Method: KICAP Sample Name: 0904022-039A Operator: CT
Run Time: 04/09/09 19:14:28
Comment:
Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	30.95	.07168	.75712	.00358	46.48	.01374
SDev	.00779	.12	.00538	.00252	.00013	.18	.00105
%RSD	986.99	.3761	7.5017	.33262	3.5964	.3845	7.6458
#1	-.00802	30.88	.06549	.75782	.00343	46.34	.01253
#2	.00676	30.89	.07510	.75432	.00365	46.42	.01442
#3	.00363	31.09	.07446	.75921	.00366	46.69	.01428

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05077	.07492	.30448	1051.6	3.724	13.81	1.3699
SDev	.00546	.00421	.00183	5.4	.304	.10	.0058
%RSD	10.757	5.6233	.59936	.51255	8.159	.7445	.42286
#1	.04450	.07008	.30655	1047.1	3.377	13.70	1.3659
#2	.05333	.07697	.30380	1050.1	3.943	13.84	1.3673
#3	.05448	.07772	.30310	1057.5	3.852	13.90	1.3765

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05611	.4208	.13326	.07048	.22890	2.8583	.12981
SDev	.00086	.0117	.00579	.00969	.00069	.0107	.00496
%RSD	1.5407	2.775	4.3486	13.752	.30091	.37431	3.8219
#1	.05512	.4075	.12678	.05957	.22879	2.8513	.12409
#2	.05649	.4295	.13794	.07811	.22828	2.8531	.13292
#3	.05672	.4253	.13505	.07375	.22964	2.8706	.13242

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.88710	.11604	-.07898	6.0391	.02384	.09826	6.0539
SDev	.00437	.00717	.01167	.0327	.00028	.00314	.0194
%RSD	.49223	6.1816	14.773	.54098	1.1727	3.1996	.32125
#1	.88446	.10787	-.09232	6.0015	.02408	.09588	6.0511
#2	.88469	.12131	-.07063	6.0612	.02391	.09708	6.0360
#3	.89214	.11893	-.07400	6.0544	.02354	.10183	6.0746

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	6.0317	.04707	.01225	.06382	.11546
SDev	.0497	.02391	.01172	.05062	.02284
%RSD	.82478	50.789	95.702	79.315	19.785
#1	5.9768	.07360	-.00064	.00562	.14094
#2	6.0738	.02718	.02228	.09757	.09684
#3	6.0443	.04045	.01509	.08829	.10859

Method: KICAP Sample Name: ICSA-FINAL Operator: CT
Run Time: 04/09/09 19:23:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	488.5	.00455	-.00012	.00024	485.1	.00039
SDev	.00027	1.4	.00011	.00008	.00000	2.2	.00007
%RSD	424.49	.2963	2.4029	70.782	1.7014	.4519	19.426
#1	.00037	487.6	.00444	-.00007	.00023	483.3	.00031
#2	-.00012	487.7	.00465	-.00007	.00024	484.4	.00045
#3	-.00006	490.2	.00455	-.00021	.00024	487.6	.00040
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		500.0				500.0	
Range		20.00				20.00	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00412	.00536	-.00072	182.23	.0042	490.1	.00013
SDev	.00018	.00011	.00019	.86	.0094	2.0	.00017
%RSD	4.2944	2.0180	26.067	.47072	222.2	.4065	132.58
#1	.00415	.00529	-.00052	181.51	.0019	488.4	.00031
#2	.00428	.00549	-.00074	181.99	.0147	489.5	.00011
#3	.00393	.00531	-.00089	183.18	-.0038	492.3	-.00003
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.0	
Range				20.000		20.00	

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00104	.0244	.00078	.01072	.00017	.00091	.00032
SDev	.00083	.0005	.00025	.00108	.00005	.00017	.00022
%RSD	80.238	2.081	32.123	10.050	30.943	18.933	70.171
#1	-.00008	.0244	.00092	.01060	.00020	.00103	.00045
#2	-.00154	.0250	.00092	.01186	.00019	.00099	.00044
#3	-.00149	.0240	.00049	.00971	.00011	.00071	.00006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00079	-.00045	.01525	.00213	.00263	-.00025	.00957
SDev	.00006	.00035	.00127	.00031	.00233	.00023	.00619
%RSD	7.6670	78.013	8.3471	14.419	88.408	92.768	64.676
#1	-.00075	-.00075	.01381	.00196	.00104	-.00012	.01637
#2	-.00086	-.00053	.01624	.00248	.00156	-.00051	.00809
#3	-.00076	-.00006	.01569	.00195	.00530	-.00011	.00426
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00159	.01178	-.00193	-.01460	.00617
SDev	.00321	.00658	.00532	.01225	.00539
%RSD	202.28	55.839	275.17	83.918	87.398
#1	-.00524	.01878	-.00782	-.02707	.01184
#2	-.00032	.00573	-.00053	-.01415	.00555
#3	.00079	.01084	.00254	-.00258	.00112
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK

Value
Range

Method: KICAP Sample Name: ICSAB-FINAL Operator: CT
Run Time: 04/09/09 19:27:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20089	480.1	.48414	.45791	.47870	478.4	.89172
SDev	.00041	2.8	.00231	.00294	.00194	1.9	.00334
%RSD	.20418	.5736	.47790	.64248	.40462	.3914	.37405
#1	.20108	481.3	.48463	.45870	.47974	479.4	.89476
#2	.20042	476.9	.48162	.45465	.47646	476.2	.88815
#3	.20117	482.0	.48616	.46037	.47989	479.5	.89223
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.20000	500.0	.50000	.50000	.50000	500.0	1.0000
Range	20.000	20.00	20.000	20.000	20.000	20.00	20.000

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45602	.46593	.51052	179.57	7.919	481.2	.46410
SDev	.00158	.00138	.00327	.66	.023	1.6	.00191
%RSD	.34675	.29687	.63954	.36490	.2947	.3264	.41137
#1	.45728	.46704	.51193	179.92	7.946	482.5	.46495
#2	.45425	.46438	.50678	178.81	7.909	479.4	.46191
#3	.45654	.46636	.51284	179.97	7.903	481.6	.46543
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	200.00		500.0	.50000
Range	20.000	20.000	20.000	20.000		20.00	20.000

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45680	1.191	.92412	.47486	.45165	.47750	.47338
SDev	.00207	.005	.00315	.00194	.00242	.00212	.00158
%RSD	.45393	.4310	.34044	.40794	.53549	.44431	.33442
#1	.45811	1.194	.92703	.47639	.45258	.47800	.47401
#2	.45441	1.185	.92079	.47550	.44891	.47517	.47158
#3	.45788	1.193	.92455	.47268	.45347	.47932	.47455
Errors	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000		1.0000	.50000	.50000	.50000	.50000
Range	20.000		20.000	20.000	20.000	20.000	20.000

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96065	.09928	.10817	.04802	.05018	.60982	.05183
SDev	.00450	.00205	.00300	.00150	.00220	.00361	.00654
%RSD	.46826	2.0688	2.7748	3.1199	4.3834	.59198	12.609
#1	.96255	.10155	.10803	.04633	.04775	.60629	.05918
#2	.95551	.09754	.11125	.04856	.05205	.60967	.04960
#3	.96388	.09877	.10525	.04917	.05073	.61351	.04670
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK

Value	1.0000	.10000	.10000	.05000	.05000	.60000
Range	20.000	20.000	20.000	20.000	20.000	20.000
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.04612	.05584	.04735	.60494	.61276	
SDev	.00551	.00628	.00641	.01800	.00455	
%RSD	11.944	11.247	13.531	2.9759	.74266	
#1	.03991	.06226	.04051	.58450	.61792	
#2	.04804	.04970	.05322	.61185	.60933	
#3	.05041	.05557	.04832	.61845	.61104	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
Value						
Range						

Method: KICAP Sample Name: CCVH10 Operator: CT
Run Time: 04/09/09 19:32:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.1040	.00366	.00051	.00021	49.37	.00060
SDev	.00047	.0607	.00037	.00008	.00007	.08	.00014
%RSD	160.60	58.34	10.024	15.740	32.903	.1646	24.030
#1	.00081	.1702	.00404	.00056	.00028	49.45	.00076
#2	-.00013	.0905	.00331	.00056	.00018	49.37	.00055
#3	.00021	.0512	.00364	.00042	.00015	49.29	.00048
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						55.09	
Low						44.90	

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00197	5.1564	-.00006	10.294	.0502	.1047	.00028
SDev	.00023	.0012	.00015	.023	.0131	.0620	.00009
%RSD	11.932	.02271	256.31	.22469	25.98	59.20	32.174
#1	.00224	5.1574	.00010	10.316	.0652	.1724	.00039
#2	.00188	5.1551	-.00009	10.296	.0414	.0910	.00026
#3	.00179	5.1567	-.00019	10.270	.0441	.0508	.00021
Errors	NOCHECK	LC Pass	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High		5.5090		11.090			
Low		4.4900		8.9900			

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00020	49.88	.00066	.00349	.00081	.00115	-.00012
SDev	.00062	.14	.00070	.00099	.00008	.00006	.00044
%RSD	313.54	.2798	106.06	28.412	10.163	4.8638	369.20
#1	.00078	50.01	.00094	.00446	.00090	.00121	.00039
#2	.00027	49.74	-.00014	.00353	.00080	.00111	-.00039
#3	-.00046	49.90	.00119	.00248	.00073	.00112	-.00036
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High		55.09					
Low		44.90					

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00127	-.00231	.00450	10.051	-.00017	-.00155	10.185
SDev	.00017	.00046	.00087	.009	.00104	.00057	.018
%RSD	13.481	20.055	19.218	.09027	626.83	36.734	.17460
#1	.00146	-.00178	.00450	10.053	.00019	-.00183	10.205
#2	.00123	-.00261	.00537	10.041	-.00134	-.00194	10.173
#3	.00113	-.00254	.00364	10.059	.00065	-.00090	10.176
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK

High				11.090	
Low				8.9900	
Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	10.245	.00140	-.00095	-.01281	.00406
SDev	.044	.00136	.00196	.00220	.00145
%RSD	.43292	97.087	205.97	17.177	35.629
#1	10.194	-.00015	.00035	-.01028	.00240
#2	10.273	.00239	-.00320	-.01432	.00499
#3	10.268	.00197	-.00000	-.01382	.00481
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High					
Low					

Method: KICAP Sample Name: CCV10 Operator: CT
Run Time: 04/09/09 19:36:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25243	4.988	.50366	.49955	.50670	10.19	.51050
SDev	.00061	.012	.00256	.00305	.00258	.04	.00197
%RSD	.24279	.2426	.50824	.61124	.50890	.3845	.38567
#1	.25277	4.993	.50332	.50052	.50731	10.21	.51066
#2	.25172	4.974	.50129	.49612	.50388	10.15	.50846
#3	.25280	4.997	.50638	.50199	.50893	10.22	.51239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.27500	5.510	.55100	.55100	.55100	11.09	.55100
Low	.22500	4.490	.44900	.44900	.44900	8.990	.44900

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51223	.51350	.49759	1.0222	10.86	10.14	.49968
SDev	.00254	.00192	.00236	.0046	.01	.03	.00236
%RSD	.49568	.37363	.47429	.44817	.1330	.3262	.47194
#1	.51265	.51395	.49866	1.0259	10.86	10.14	.50008
#2	.50950	.51140	.49489	1.0171	10.88	10.10	.49714
#3	.51452	.51516	.49923	1.0237	10.85	10.17	.50181
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	.55100	.55100	.55100	1.1090		11.09	.55100
Low	.44900	.44900	.44900	.89900		8.990	.44900

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50550	9.939	.52307	.51093	.50068	.50622	.51148
SDev	.00304	.017	.00282	.00165	.00304	.00299	.00210
%RSD	.60092	.1667	.53836	.32302	.60800	.59032	.41091
#1	.50269	9.958	.52323	.50920	.50164	.50704	.51203
#2	.50507	9.927	.52017	.51110	.49727	.50291	.50915
#3	.50872	9.933	.52580	.51249	.50312	.50872	.51325
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.55100	11.09	.55100	.55100	.55100	.55100	.55100
Low	.44900	8.990	.44900	.44900	.44900	.44900	.44900

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49972	.50633	.51552	.50614	.50821	.50106	.50573
SDev	.00289	.00254	.00278	.00450	.00633	.00504	.00262
%RSD	.57794	.50144	.53878	.88946	1.2447	1.0058	.51710
#1	.50044	.50708	.51333	.50492	.50292	.49883	.50445
#2	.49654	.50350	.51458	.51113	.51522	.50682	.50874
#3	.50218	.50841	.51865	.50238	.50650	.49751	.50400
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK

High	.55100	.55100	.55100	.55100	.55100	.55100
Low	.44900	.44900	.44900	.44900	.44900	.44900
Elem	2203/2	1960/1	1960/2	2068/1	2068/2	
Units	ppm	ppm	ppm	ppm	ppm	
Avge	.50635	.50997	.50734	.49958	.50204	
SDev	.00548	.00501	.00726	.00666	.00468	
%RSD	1.0814	.98287	1.4309	1.3326	.93194	
#1	.50515	.50453	.50212	.49716	.49967	
#2	.51233	.51440	.51563	.50711	.50743	
#3	.50158	.51097	.50426	.49447	.49903	
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	
High						
Low						

Method: KICAP Sample Name: CCB10 Operator: CT
Run Time: 04/09/09 19:41:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	B_2496	Ba4934	Be3130	Ca	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00026	.0239	.00275	.00075	.00018	.0171	.00048
SDev	.00029	.0004	.00038	.00008	.00005	.0013	.00006
%RSD	111.66	1.496	13.625	10.826	25.801	7.549	12.861
#1	.00001	.0237	.00316	.00084	.00022	.0172	.00055
#2	.00020	.0237	.00242	.00070	.00017	.0184	.00046
#3	.00058	.0243	.00267	.00070	.00013	.0158	.00043

Elem	Co2286	Cr	Cu3247	Fe	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00201	.00224	.00021	.00434	.0534	.0184	.00025
SDev	.00018	.00012	.00023	.00035	.0102	.0011	.00004
%RSD	8.9145	5.1600	108.82	8.0515	19.08	5.914	17.458
#1	.00220	.00231	-.00005	.00398	.0638	.0196	.00029
#2	.00185	.00210	.00029	.00468	.0434	.0180	.00021
#3	.00199	.00229	.00038	.00434	.0529	.0175	.00023

Elem	Mo2020	Na	Ni2316	Sn1899	Sr4215	Ti3349	V_2924
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00114	.0097	.00064	.00239	.00025	.00081	.00017
SDev	.00032	.0009	.00024	.00100	.00006	.00014	.00022
%RSD	28.099	9.686	37.485	41.607	21.509	16.563	132.87
#1	.00111	.0107	.00036	.00326	.00031	.00097	.00010
#2	.00148	.0096	.00077	.00131	.00025	.00071	.00042
#3	.00084	.0088	.00077	.00261	.00020	.00076	-.00001

Elem	Zn2138	As1890	Tl1908	Pb	Se1960	Sb2068	2203/1
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	-.00051	.00524	.00173	.00159	.00015	.00094
SDev	.00004	.00115	.00065	.00023	.00112	.00066	.00028
%RSD	24.284	227.66	12.367	13.303	70.000	426.76	30.315
#1	-.00011	-.00122	.00536	.00199	.00284	-.00057	.00092
#2	-.00016	.00082	.00454	.00164	.00126	.00033	.00067
#3	-.00019	-.00112	.00582	.00155	.00068	.00071	.00124

Elem	2203/2	1960/1	1960/2	2068/1	2068/2
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00212	.00258	.00110	-.00042	.00144
SDev	.00041	.00154	.00199	.00283	.00101
%RSD	19.159	59.773	181.34	669.16	70.078
#1	.00252	.00264	.00293	-.00077	.00102
#2	.00213	.00101	.00139	.00256	.00071
#3	.00171	.00409	-.00102	-.00306	.00259

Laboratory Worksheets

LIFE SCIENCE LABORATORIES, INC.

TRACE METALS SOIL DIGESTION LOGBOOK **Method # 3050B** **QC Batch #** 9222 **Date :** 4-8-09

Sample ID	Client ID	Initial Weight (g)	Final Volume (ml)	Comments
MB - 9222	-	0.50	50	TEFLON CHIPS
LCS - 9222	↓	↓	↓	(2932-R) (A)+(B)
0904072 - 001A	EP			
002A				
003A				
004A				
005A				
006A				
007A				
008A				
009A				
010A				
010A MS				(C)
010A MSD				(C)
011A				
012A				
013A				
014A				
015A				
016A				
017A				
018A				
019A				
020A				

MT 4-8-09

Reagents:

1:1 HNO_3# 2999 - R conc. HNO_3# BAKER: C44029

conc. HCl # BAKER: 626054 H_2O_2 # BAKER: G37A19

(A) 0.5 ml of ICP Spike# 7556-5

(B) 0.5 ml of ICP Spike# 7557-5

(C) 1.0 ml of ICP Spike# 7556-5, 7557-5

Prepared by: Daniel O Rolu

Date: 4.8.09

Reviewed By: M. Tan Liu

Date: 4-8-09

Digestion Temperature: 94 °C

LIFE SCIENCE LABORATORIES, INC.

TRACE METALS SOIL DIGESTION LOGBOOK **Method # 3050B** **QC Batch #** 9223 **Date:** 4-8-09

Sample ID	Client ID	Initial Weight (g)	Final Volume (ml)	Comments
MB - 9223	—	0.50	50	TEFLON CHIPS (2952-2)
LCS - 9223	"	"	"	(A)+(B) "
0904022 - 021A	EA			
022A				
023A				
024A				
026A				
027A				
028A				
029A				
030A				
031A				
032A				
032A MS				(C)
032A MSD				(C)
033A				
034A				
035A				
036A				
037A				
038A				
039A				
040A				
				MT 4-8-09

Reagents:

1:1 HNO_3# 2999 -R conc. HNO_3# BAKER: 644029

conc. HCl # BAKER: 626054 H_2O_2 # BAKER: 637A19

(A) 0.5 ml of ICP Spike# 7556-5

(B) 0.5 ml of ICP Spike# 7557-5

(C) 1.0 ml of ICP Spike# 7556-5, 7557-5

Prepared by: Daniel D Robles

Date: 4-8-09

Reviewed By: MT Tan Rob

Date: 4-8-09

Digestion Temperature: 94 °C

+ DR 4-8-09

LIFE SCIENCE LABORATORIES, INC.

TRACE METALS SOIL DIGESTION LOGBOOK **Method # 3050B** **QC Batch #** 9224 **Date :** 4-8-09

Sample ID	Client ID	Initial Weight (g)	Final Volume (ml)	Comments
MB - 9224	-	0.50	50	TEFLON CHIPS (2932-B)
LCS - 9224	↓	↓	↓	(A) (B) ↓
0903071 - 002A	[redacted]			
↓ 002A DUP	↓			
0904022 - 041A	EA			
- 042A	↓			
- 043A				
- 044A				
- 044A MS				(C)
- 044A MSD				(C)
- 045A				
- 046A				
- 047A				
- 048A				
- 049A	↓	↓	↓	
				MT 4-8-09

Reagents:

1:1 HNO_3# 2994 - R conc. HNO_3# BAKER: 644029

conc. HCl # BAKER: 626054 H_2O_2 # BAKER: 637A19

(A) 0.5 ml of ICP Spike# 7556-5

(B) 0.5 ml of ICP Spike# 7557-5

(C) 1.0 ml of ICP Spike# 7556-5, 7557-5

Prepared by: Daniel Kolb

Date: 4-8-09

Reviewed By: M Tim

Date: 4-8-09

Digestion Temperature: 94 °C

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6334-S	3/8/07	10/31/10	Al - 10,000 ppm	Stock, Received 100 mL	100 mL	10,000 ppm	AccuSTD	B5105043	CT
6335-S		9/30/10	Sb - 1000 ppm			1,000 ppm		B5095031	
6336-S		2/28/11	As - 1000 ppm					B5115036	
6337-S		9/30/10	Ba - 1000 ppm					B5025074	
6338-S		7/31/11	Be - 1000 ppm					B5115083	
6339-S		8/31/11	B - 1000 ppm					B6085625	
6340-S		11/30/11	Cd - 1000 ppm					B6115069	
6341-S		8/31/011	Ca - 10,000 ppm			10,000 ppm		B6065137	
6342-S		6/30/11	Cr - 1000 ppm			1,000 ppm		B6065124	
6343-S		12/31/11	Co - 1000 ppm					B6125064	
6344-S		9/30/11	Fe - 1000 ppm					B6035048	
6345-S		8/31/11	Pb - 1000 ppm					B6075090	
6346-S		9/30/10	Mg - 10,000 ppm			10,000 ppm		B5015118	
6347-S		6/30/11	Mn - 1000 ppm			1,000 ppm		B6065026	
6348-S		7/31/11	Mo - 1000 ppm					B6065081	
6349-S		6/30/11	Ni - 1000 ppm					B4065040	
6350-S		9/30/10	K - 10,000 ppm			10,000 ppm		B5075123	
6351-S		6/30/11	Se - 1000 ppm			1,000 ppm		B6065129	
6352-S		12/31/11	Ag - 1000 ppm					B6125004	
6353-S		3/31/11	Na - 10,000 ppm			10,000 ppm		B6025117	
6354-S		9/30/10	Sr - 1000 ppm			1,000 ppm		B5035151	
6355-S		5/31/11	Tl - 1000 ppm					B6055036	
6356-S		1/31/11	Sn - 1000 ppm					B6015089	
6357-S		9/30/10	Ti - 1000 ppm					B5085113	
6358-S		2/28/12	V - 1000 ppm					B7025121	
6359-S		2/28/11	Zn - 1000 ppm					B6015140	

viewed

e:

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

*DP 3/12/07

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
6360-S	3/8/07	9/30/11	Cu - 1000 ppm	Stock, Received 100 mL	100 mL	1,000 ppm	AccuSTD	B6095096	CT
6361-S	↓	2/28/11	As - 10,000 ppm	↓	↓	10,000 ppm	↓	B6025008	↓
6362-S		5/31/11	Ba - 10,000 ppm			↓		B6055064	
6363-S		6/30/11	Cr - 10,000 ppm					B6065134	
6364-S		8/31/11	Fe - 10,000 ppm					B6085027	
6365-S		12/31/11	Pb - 10,000 ppm					B6125078	
6366-S	↓	6/30/11	Nd - 1000 ppm	↓	↓	1,000 ppm	↓	B6065096	↓
6367-S	3/12/07	3/12/07	Hg Cal Curve (5%)	0.0 mL (6368-S)	↑ 50 mL w/ DI	0.0 ppb	AccuSTD	6368-S	DP
				0.2		0.2			
				0.5		0.5			
				↑ 1.0		1.0			
				2.0		2.0			
				5.0		5.0			
	↓	↓	↓	10.0	↓	10.0	↓	↓	↓
6368-S	3/12/07	3/12/07	Hg - 50 ppb (working STD)	0.5 mL (6037-S) + 2 mL conc. HNO_3	↑ 200 mL w/ DI	50.0 ppb	AccuSTD	6037-S	DP
6369-S	3/12/07	3/12/07	Hg - 50 ppb (REF STD)	0.5 mL (6038-S) + 2.0 mL conc. HNO_3	↓	50.0 ppb	Baker ULTRA	C38065 6038-S	DP
6370-S	3/12/07	3/12/07	ICB/CCB	0.5 mL conc. HNO_3		—	Baker	C38065	DP
6371-S	3/12/07	3/12/07	ICV (Hg)	4.0 mL ~~(50)~~ (6369-S)	↑ 50 mL w/ DI	4.0 ppb	Baker ULTRA	C38065 6369-S	DP
6372-S	3/12/07	3/12/07	CRA (Hg)	0.2 mL (6368-S)	↓	0.2 ppb	AccuSTD	6368-S	DP
6373-S	3/12/07	3/12/07	CCV (Hg)	2.0 mL (6368-S)		2.0 ppb	↓	↓	DP
6374-S	3/12/07	3/12/07	Hg Cal Curve (Water)	0.0 mL (6368-S)	↑ 50 mL w/ DI	0.0 ppb	AccuSTD	6368-S	DP
	↓	↓	↓	0.2	↓	0.2 ppb	↓	↓	↓

Reviewed _____

Date: _____

507

ISO 9001:2000

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025

6334-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 10/31/10

Item Number: ICP-01N-10X-1

Element: Aluminum
Concentration: 9919 µg/mL
Matrix: Al(NO3)3 · 9H2O in 2% HNO3

Density: 1.059g/mL
Lot Number: B5105043
Expiration Date: Oct / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	**0.06**	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	*	Cs	N/A	In	nd<0.2	Ni	N/A	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	N/A	K	**0.6**	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	**0.13**	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	**0.44**	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	N/A
Bi	N/A	Ga	N/A	Mg	**0.02**	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	**0.10**	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	**0.37**	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3101a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6335-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-02N-1

Density: 1.013g/mL

Element: Antimony
Concentration: 1001 µg/mL
Matrix: 2% HNO3

Lot Number: B5095031
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	N/A
Al	N/A	**Cs**	N/A	**In**	nd<0.2	**Ni**	N/A	**Sb**	*	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	N/A	**U**	N/A
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	N/A	**Y**	N/A
Bi	N/A	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	nd<0.02	**Rh**	nd<0.2	**Te**	N/A		
Co	nd<0.02	**Hg**	N/A	**Nb**	N/A	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using bromate which was standardized against NIST SRM #83d (arsenic trioxide).

The concentration of the final solution was verified by ICP against NIST SRM# 3102a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6336-S

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/11

AccuTrace™ Reference Standard

Item Number: ICP-03N-1

Density: 1.012 g/mL

Element: Arsenic
Concentration: 1000 µg/mL
Matrix: As in 2% HNO3

Lot Number: B5115036
Expiration Date: Feb / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	*	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3103a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025

6337-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-04N-1

Element: Barium
Concentration: 1000 µg/mL
Matrix: Ba(NO3)2 in 2% HNO3

Lot Number: B5025074
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	N/A	Sb	N/A	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	N/A	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	N/A	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	*	Eu	nd<0.02	Li	N/A	Pd	N/A	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	N/A	Ge	N/A	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	N/A	Na	N/A	Rh	N/A	Te	N/A		
Co	N/A	Hg	N/A	Nb	N/A	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3104a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids. ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

6338-5

Received - 3/8/07
Opened - 3/8/07
Expire - 7/31/11

AccuTrace™ Reference Standard

Item Number: ICP-05N-1

Element: Beryllium
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.016g/mL
Lot Number: B5115083
Expiration Date: Jul / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	*	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3105a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6339-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-07W-1

Density: 1.002g/mL

Element: Boron
Concentration: 1000 µg/mL
Matrix: H3BO3 in H2O tr. NH4OH

Lot Number: B6085025
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	N/A	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	*	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed by acid/base titration using NaOH which was standardized against NIST SRM #84J (potassium hydrogen pthalate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3107

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6340-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
*Expire - 11/30/11

Item Number: ICP-08N-1

Element: Cadmium
Concentration: 1000 µg/mL
Matrix: Cd in 2% HNO3

Density: 1.012 g/mL
Lot Number: B6115069
Expiration Date: Nov / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	**0.10**	Cs	N/A	In	nd<0.2	Ni	N/A	Sb	N/A	Tl	nd<0.2
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	N/A	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	**0.02**	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	*	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3108

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6341-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-09N-10X-1

Element: Calcium
Concentration: 10000 µg/mL
Matrix: CaCO3 in 2% HNO3

Density: 1.042g/mL
Lot Number: B6065137
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	nd<0.2	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	nd<0.2	**Cu**	**0.03**	**Ir**	nd<0.2	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	nd<0.2	**U**	N/A
B	nd<0.2	**Er**	nd<0.02	**La**	**0.26**	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	nd<0.02	**Y**	nd<0.02
Bi	nd<0.2	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	**0.03**	**Yb**	nd<0.02
Ca	*	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	nd<0.2	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	**0.1**	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	**0.1**	**Rh**	nd<0.2	**Te**	nd<0.2		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3109a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6342-5

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-13N-1

Element: Chromium
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.013 g/mL
Lot Number: B6065124
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	*	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	N/A	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3112a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6343-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 12/31/11

Item Number: ICP-14N-1

Element: Cobalt
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.014 g/mL
Lot Number: B6125064
Expiration Date: Dec / 2011

Elements in µg/mL

Ag	N/A	Cr	N/A	Ho	N/A	Nd	N/A	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	N/A	Sb	N/A	Tl	N/A
As	N/A	Cu	N/A	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	N/A	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	N/A	Pd	N/A	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	N/A	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	**0.08**	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	N/A
Cd	nd<0.02	Ge	N/A	Mo	N/A	Re	N/A	Tb	N/A	Zr	nd<0.02
Ce	nd<0.2	Hf	**0.05**	Na	N/A	Rh	N/A	Te	N/A		
Co	*	Hg	N/A	Nb	N/A	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3113

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

125 Market Street New Haven, CT 06513 USA Tel (203)786-5290 Fax (203)786-5287 Web AccuStandard.com

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6360-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/11

Item Number: ICP-15N-1

Element: Copper
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.013g/mL
Lot Number: B6095096
Expiration Date: Sep / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	*	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	N/A	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	N/A	Th	N/A		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3114

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6344-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 10/31/11

Item Number: ICP-27N-1

Element: Iron
Concentration: 1000 µg/mL
Matrix: Fe in 5% HNO3

Density: 1.032 g/mL
Lot Number: B6035048
Expiration Date: Oct / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	*	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	N/A	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	N/A	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	N/A		
Co	N/A	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate),

The concentration of the final solution was verified by ICP against NIST SRM# 3126a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6345-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-29N-1

Element: Lead
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Density: 1.011g/mL
Lot Number: B6075090
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	nd<0.2	**Ni**	**0.02**	**Sb**	nd<0.2	**Tl**	N/A
As	nd<0.2	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	nd<0.2	**U**	nd<0.2
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	*	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	nd<0.02	**Y**	nd<0.02
Bi	nd<0.2	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	nd<0.2	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	nd<0.02	**Rh**	nd<0.2	**Te**	nd<0.2		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3128

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6346-5

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-32N-10X-1

Element: Magnesium
Concentration: 10000 µg/mL
Matrix: 2% HNO3

Density: 1.055g/mL
Lot Number: B5015118
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	**0.05**	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	*	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	**0.45**	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	**0.06**	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	N/A	Na	**0.13**	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3131a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6347-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-33N-1

Element: Manganese
Concentration: 1000 µg/mL
Matrix: Mn(C2H3O2)2 in 2% HNO3

Density: 1.012g/mL
Lot Number: B6065026
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	N/A	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	N/A	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	N/A	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	*	Rb	N/A	Ta	N/A	Zn	N/A
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	N/A		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3132

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6348-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 7/31/07 11

Item Number: ICP-35W-1

Density: 1.000g/mL

Element: Molybdenum
Concentration: 1000 µg/mL
Matrix: Water, tr NH_4OH

Lot Number: B6065081
Expiration Date: Jul / 2011

CT 3/8/07

Elements in µg/mL

Ag	N/A	Cr	nd<0.02	Ho	N/A	Nd	N/A	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	N/A	Sb	N/A	Tl	N/A
As	N/A	Cu	N/A	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	N/A
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	N/A	Er	N/A	La	nd<0.02	Pb	N/A	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	N/A	Li	nd<0.02	Pd	N/A	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	*	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	N/A	Na	N/A	Rh	N/A	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	N/A	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3134

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6349-8

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-37N-1

Element: Nickel
Concentration: 1000 µg/mL
Matrix: Ni in 2% HNO3

Density: 1.014g/mL
Lot Number: B4065040
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	nd<0.2	**Ni**	*	**Sb**	nd<0.2	**Tl**	nd<0.2
As	nd<0.2	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	nd<0.2	**P**	N/A	**Se**	N/A	**U**	nd<0.2
B	N/A	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	N/A
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	N/A	**Y**	nd<0.02
Bi	N/A	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	N/A	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	nd<0.02	**Rh**	nd<0.2	**Te**	N/A		
Co	**0.11**	**Hg**	N/A	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3136

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6350-S

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

AccuTrace™ Reference Standard

Item Number: ICP-43N-10X-1

Density: 1.028g/mL

Element: Potassium
Concentration: 9999 µg/mL
Matrix: KNO3 in 2% HNO3

Lot Number: B5075123
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	*	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	**0.38**	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3141a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6351-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-51N-1

Element: Selenium
Concentration: 1000 µg/mL
Matrix: Se in 2% HNO3

Density: 1.012g/mL
Lot Number: B6065129
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	nd<0.2	Cu	N/A	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	N/A	Dy	nd<0.02	K	N/A	P	N/A	Se	*	U	N/A
B	nd<0.2	Er	N/A	La	nd<0.02	Pb	N/A	Si	N/A	V	N/A
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	N/A
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	N/A
Ca	nd<0.02	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	N/A
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	N/A	Hf	N/A	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	N/A	Hg	nd<0.2	Nb	nd<0.2	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3149

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

6352-5

Received - 3/8/07
Opened - 3/8/07
Expire - 12/31/11

AccuTrace™ Reference Standard

Item Number: ICP-53N-1

Element: Silver
Concentration: 1000 µg/mL
Matrix: AgNO3 in 2% HNO3

Density: 1.012 g/mL
Lot Number: B6125004
Expiration Date: Dec / 2011

Elements in µg/mL

Ag	*	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	**0.03**	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	N/A	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	**0.04**	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	N/A
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	N/A	Hf	nd<0.02	Na	**0.04**	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using a Vohlhard titration calibrated against 99.999% silver shot.

The concentration of the final solution was verified by ICP against NIST SRM# 3151

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6353-5

Received - 3/8/07
Opened - 3/8/07
Expire - 3/31/11

AccuTrace™ Reference Standard

Item Number: ICP-54N-10X-1

Element: Sodium
Concentration: 10000 µg/mL
Matrix: NaNO3 in 2% HNO3

Density: 1.036 g/mL
Lot Number: B6025117
Expiration Date: Mar / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	N/A	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	nd<0.2	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	nd<0.02	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	nd<0.2	**U**	nd<0.2
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	nd<0.2	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	N/A	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	nd<0.2
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	N/A	**Y**	nd<0.02
Bi	N/A	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	nd<0.02
Ca	**0.02**	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	*	**Rh**	nd<0.2	**Te**	nd<0.2		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3152a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6354-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-55N-1

Element: Strontium
Concentration: 1000 µg/mL
Matrix: Sr(NO3)2 in 2% HNO3

Lot Number: B5035151
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	N/A	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	nd<0.2	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	nd<0.2	**Cu**	nd<0.02	**Ir**	nd<0.2	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	N/A	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	nd<0.2	**U**	N/A
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	N/A	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	N/A
Be	nd<0.02	**Fe**	nd<0.02	**Lu**	nd<0.02	**Pr**	N/A	**Sn**	nd<0.02	**Y**	nd<0.02
Bi	nd<0.2	**Ga**	nd<0.02	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	*	**Yb**	nd<0.02
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	nd<0.2	**Zn**	nd<0.02
Cd	nd<0.02	**Ge**	N/A	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	nd<0.02	**Zr**	N/A
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	nd<0.02	**Rh**	nd<0.2	**Te**	nd<0.2		
Co	nd<0.02	**Hg**	nd<0.2	**Nb**	N/A	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3153a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder
Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6355-S

Received - 3/8/07
Opened - 3/8/07
Expire - 5/31/11

Item Number: ICP-60N-1

Element: Thallium
Concentration: 1000 µg/mL
Matrix: Tl in 2% HNO3

Density: 1.011 g/mL
Lot Number: B6055036
Expiration Date: May / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	*
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3158

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6356-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 1/31/11

Item Number: ICP-63N-1

Element: Tin
Concentration: 1000 µg/mL
Matrix: Sn in 2-5% HNO3 tr. HF

Density: 1.012 g/mL
Lot Number: B6015089
Expiration Date: Jan / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	*	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3161

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6357-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 9/30/10

Item Number: ICP-64W-1

Element: Titanium
Concentration: 1000 µg/mL
Matrix: (NH4)2TiF6 in H2O tr HF

Density: 1.000g/mL
Lot Number: B5085113
Expiration Date: Sep / 2010

Elements in µg/mL

Ag	N/A	Cr	nd<0.02	Ho	nd<0.02	Nd	N/A	S	N/A	Ti	*
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	N/A	Cu	N/A	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	N/A
B	0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	N/A	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	N/A	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	nd<0.02	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	nd<0.02	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	N/A	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.104	Rh	N/A	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	N/A	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3162a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6358-5

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/12

AccuTrace™ Reference Standard

Item Number: ICP-67N-1

Element: Vanadium
Concentration: 1000 µg/mL
Matrix: V_2O_5 in 2% HNO_3

Density: 1.014 g/mL
Lot Number: B7025121
Expiration Date: Feb / 2012

Elements in µg/mL

Ag	nd<0.02	Cr	N/A	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	*
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	N/A
Be	nd<0.02	Fe	0.02	Lu	N/A	Pr	N/A	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	N/A	Pt	N/A	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.03	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	N/A	Ru	nd<0.02	Th	N/A		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3165

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6359-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/11

Item Number: ICP-70N-1

Element: Zinc
Concentration: 1000 µg/mL
Matrix: Zn in 2% HNO3

Density: 1.013g/mL
Lot Number: B6015140
Expiration Date: Feb / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	N/A	Tl	nd<0.2
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	nd<0.2	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	*
Cd	N/A	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate).

The concentration of the final solution was verified by ICP against NIST SRM# 3168a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6361-5

Received - 3/8/07
Opened - 3/8/07
Expire - 2/28/11

AccuTrace™ Reference Standard

Item Number: ICP-03N-10X-1

Element: Arsenic
Concentration: 10022 µg/mL
Matrix: As in 2% HNO3

Density: 1.011g/mL
Lot Number: B6025008
Expiration Date: Feb / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	nd<0.02	Sb	nd<0.2	Tl	nd<0.2
As	*	Cu	0.03	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	0.09
Au	nd<0.02	Dy	nd<0.02	K	nd<0.2	P	N/A	Se	N/A	U	nd<0.2
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	0.04	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	0.09	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3103a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6362-S

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 5/31/11

Item Number: ICP-04N-10X-1

Element: Barium
Concentration: 10000 µg/mL
Matrix: Ba(NO3)2 in 2% HNO3

Lot Number: B6055064
Expiration Date: May / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	N/A	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	N/A	K	N/A	P	N/A	Se	nd<0.2	U	N/A
B	N/A	Er	nd<0.02	La	nd<0.02	Pb	nd<0.2	Si	**0.3**	V	nd<0.02
Ba	*	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	N/A	Y	nd<0.02
Bi	N/A	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	**0.02**	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	N/A	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	nd<0.02	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3104a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6363-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-13N-10X-1

Density: 1.044 g/mL

Element: Chromium
Concentration: 10000 µg/mL
Matrix: 2-5% HNO3

Lot Number: B6065134
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	*	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	nd<0.2	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	N/A	Si	**0.3**	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	N/A	Ga	N/A	Mg	N/A	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	N/A	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	**0.38**	Rh	nd<0.2	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	nd<0.2	Ru	N/A	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed gravimetrically, using a balance calibrated against weight sets, ID #NJ86563, traceable to NIST.

The concentration of the final solution was verified by ICP against NIST SRM# 3112a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

ISO/IEC 17025

6364-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 8/31/11

Item Number: ICP-27N-10X-1

Element: Iron
Concentration: 10000 µg/mL
Matrix: Fe in 5% HNO3

Density: 1.084g/mL
Lot Number: B6085027
Expiration Date: Aug / 2011

Elements in µg/mL

Ag	nd<0.02	**Cr**	nd<0.02	**Ho**	nd<0.02	**Nd**	nd<0.02	**S**	N/A	**Ti**	nd<0.02
Al	nd<0.02	**Cs**	N/A	**In**	N/A	**Ni**	nd<0.02	**Sb**	nd<0.2	**Tl**	N/A
As	N/A	**Cu**	nd<0.02	**Ir**	N/A	**Os**	N/A	**Sc**	nd<0.02	**Tm**	nd<0.02
Au	N/A	**Dy**	nd<0.02	**K**	N/A	**P**	N/A	**Se**	N/A	**U**	N/A
B	nd<0.2	**Er**	nd<0.02	**La**	nd<0.02	**Pb**	N/A	**Si**	nd<0.2	**V**	nd<0.02
Ba	nd<0.02	**Eu**	nd<0.02	**Li**	nd<0.02	**Pd**	nd<0.2	**Sm**	nd<0.2	**W**	N/A
Be	nd<0.02	**Fe**	*	**Lu**	nd<0.02	**Pr**	nd<0.2	**Sn**	nd<0.02	**Y**	nd<0.02
Bi	N/A	**Ga**	N/A	**Mg**	nd<0.02	**Pt**	nd<0.2	**Sr**	nd<0.02	**Yb**	N/A
Ca	nd<0.02	**Gd**	nd<0.02	**Mn**	nd<0.02	**Rb**	N/A	**Ta**	N/A	**Zn**	**0.32**
Cd	N/A	**Ge**	nd<0.2	**Mo**	nd<0.02	**Re**	nd<0.2	**Tb**	N/A	**Zr**	nd<0.02
Ce	nd<0.2	**Hf**	nd<0.02	**Na**	N/A	**Rh**	nd<0.2	**Te**	N/A		
Co	N/A	**Hg**	N/A	**Nb**	nd<0.2	**Ru**	nd<0.02	**Th**	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3126a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

AccuStandard, Inc.

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

6365-5

Received - 3/8/07
Opened - 3/8/07
Expire - 12/31/11

Item Number: ICP-29N-10X-1

Element: Lead
Concentration: 10000 µg/mL
Matrix: 2% HNO3

Lot Number: B6125078
Expiration Date: Dec / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	nd<0.02	Nd	nd<0.02	S	N/A	Ti	nd<0.02
Al	nd<0.02	Cs	N/A	In	nd<0.2	Ni	N/A	Sb	N/A	Tl	N/A
As	nd<0.2	Cu	N/A	Ir	N/A	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	nd<0.02	K	N/A	P	N/A	Se	N/A	U	N/A
B	nd<0.2	Er	nd<0.02	La	nd<0.02	Pb	*	Si	nd<0.2	V	nd<0.02
Ba	nd<0.02	Eu	nd<0.02	Li	nd<0.02	Pd	nd<0.2	Sm	nd<0.2	W	nd<0.2
Be	nd<0.02	Fe	N/A	Lu	nd<0.02	Pr	nd<0.2	Sn	nd<0.02	Y	nd<0.02
Bi	nd<0.2	Ga	nd<0.02	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	0.05	Gd	nd<0.02	Mn	nd<0.02	Rb	N/A	Ta	nd<0.2	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	nd<0.02	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	nd<0.2	Hf	nd<0.02	Na	N/A	Rh	nd<0.2	Te	nd<0.2		
Co	nd<0.02	Hg	N/A	Nb	nd<0.2	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3128

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

ISO 9001:2000

AccuStandard, Inc.

ISO/IEC 17025

CERTIFICATE OF ANALYSIS

6366-5

AccuTrace™ Reference Standard

Received - 3/8/07
Opened - 3/8/07
Expire - 6/30/11

Item Number: ICP-36N-1

Element: Neodymium
Concentration: 1000 µg/mL
Matrix: 2% HNO3

Lot Number: B6065096
Expiration Date: Jun / 2011

Elements in µg/mL

Ag	nd<0.02	Cr	nd<0.02	Ho	N/A	Nd	*	S	N/A	Ti	nd<0.02
Al	N/A	Cs	N/A	In	N/A	Ni	nd<0.02	Sb	nd<0.2	Tl	N/A
As	N/A	Cu	nd<0.02	Ir	nd<0.2	Os	N/A	Sc	nd<0.02	Tm	nd<0.02
Au	nd<0.02	Dy	N/A	K	N/A	P	N/A	Se	nd<0.2	U	N/A
B	nd<0.2	Er	N/A	La	N/A	Pb	N/A	Si	nd<0.2	V	N/A
Ba	nd<0.02	Eu	N/A	Li	0.07	Pd	N/A	Sm	N/A	W	N/A
Be	nd<0.02	Fe	nd<0.02	Lu	nd<0.02	Pr	N/A	Sn	N/A	Y	nd<0.02
Bi	nd<0.2	Ga	N/A	Mg	nd<0.02	Pt	nd<0.2	Sr	nd<0.02	Yb	nd<0.02
Ca	N/A	Gd	N/A	Mn	nd<0.02	Rb	N/A	Ta	N/A	Zn	nd<0.02
Cd	nd<0.02	Ge	nd<0.2	Mo	N/A	Re	nd<0.2	Tb	nd<0.02	Zr	nd<0.02
Ce	N/A	Hf	nd<0.02	Na	0.22	Rh	N/A	Te	N/A		
Co	nd<0.02	Hg	nd<0.2	Nb	N/A	Ru	nd<0.02	Th	nd<0.02		

The total maximum uncertainty on the certified value(s) is ±2%. See reverse side of certificate for details.

This solution was assayed titrimetrically, using EDTA which was standardized against NIST SRM #928 (lead nitrate.)

The concentration of the final solution was verified by ICP against NIST SRM# 3135a

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7145-S	1/3/08	1/30/08	CCV Hg (SOIL)	2.0 ml (7139-S)	↑ 50ml w/ DI	2.0 ppb	ACCUSTD	7139-S	DL
7146-S	1/3/08	1/3/08	Hg CAL STD's (WATER)	0.0 ml (7139-S) 0.2 0.5 1.0 2.0 5.0 10.0	50ml ↑ w/ DI	0.0 ppb 0.2 0.5 1.0 2.0 5.0 10.0	ACCUSTD	7139-S	DL
7147-S	1/3/08	1/3/08	CCV Hg (WATER)	4.0 ml (7140-S)	↑ 50ml w/ DI	4.0 ppb	ABSOLUTE	7140-S	DL
7148-S	1/3/08	1/3/08	CRA Hg (WATER)	0.2 ml (7139-S)	↑ 50ml w/ DI	0.2 ppb	ACCUSTD	7139-S	DL
7149-S 7150-S	1/3/08 ↓	1/3/08 ↓	CCV Hg ↓	2.0 ml (7139-S) ↓ ↓ ↓	↑ 50ml w/ DI	2.0 ppb ↓	ACCUSTD ↓	7139-S ↓	DL
7151-S	1/3/08	7/3/08	ICV (ICAP)	2.0 mL (6796-S) 2.0 mL (6797-S) + 6mL Conc. HNO3 + 20 mL (1:1) HCl	↑ 200 mL w/ DI ↓	See # 6796-S 6797-S	High Purity Baker ↓	6796-S 6797-S E26035 263-R	CT ↓
7152-S	1/3/08	1/3/09	BLANK/ICB/CCB (ICAP)	100 mL Conc HCl + 50 mL Conc HNO3	↑ 2 L w/ DI	5% 3%	Baker ↓	C40043 E27027	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7153-S	1/3/08	1/3/09	STD3 (ICAP)	See prep sheet in metals	certificate	book	AccuSTD	–	CT
7154-S	1/3/08	1/3/09	STD2 (ICAP)	0.4mL (6364-S) Fe	↗ 200mL	Fe-20 ppm	AccuSTD	6364-S	CT
				0.4mL (6365-S) Pb	w/ DI	Pb-20		6365-S	
				2mL (6342-S) Cr		Cr-10		6342-S	
				2mL (6341-S) Ca		Ca-100		6341-S	
				2mL (6353-S) Na		Na-100		6353-S	
				+ 6mL Conc. HNO3			Baker	E26035	
				+ 20mL (1:1) HCl				2630-R	
7155-S	1/3/08	1/3/09	STD1 (ICAP)	1mL (6350-S) K	↗ 500mL	K-20 ppm	AccuSTD	6350-S	CT
				+ 15mL Conc. HNO3	w/ DI		Baker	E26035	
				+ 50mL (1:1) HCl				2630-R	
7156-S	1/3/08	1/3/09	CCVH (ICAP)	5mL (6341-S) Ca	↗ 1000mL	Ca-50 ppm	AccuSTD	6341-S	CT
				5mL (6342-S) Cr	w/ DI	Cr-5		6342-S	
				1mL (6364-S) Fe		Fe-10		6364-S	
				5mL (6353-S) Na		Na-50		6353-S	
				1mL (6365-S) Pb		Pb-10		6365-S	
				+ 30mL Conc. HNO3			Baker	E26035	
				+ 100mL (1:1) HCl				2630-R	
7157-S	1/10/08	1/10/09	CCV (ICAP)	See prep sheet in metals	certificate	book	AccuSTD	–	CT
7158-S	1/10/08	1/10/09	CRI (PQL) 100× (ICAP)	See prep sheet in metals	certificate	book	AccuSTD	–	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7159-S	1/10/08	1/10/09	CRI (PQL) (ICAP)	2 mL (7158-S) + 6 mL Conc. HNO_3 + 20 mL (1:1) HCl	↗ 200 mL w/ DI	See # 7158-S	AccuSTD Baker ↓	7158-S E26035 2630-R	CT ↓
7160-S	1/15/08	2/15/08	TCLP Hg SPK SOLN	2.5 mL (5487-S) + 5 ml conc HNO_3	↗ 50 ml w/ DI	1 ppm	ABSOLUTE	5487-S	PR
7161-S	1/16/08	1/16/08	Hg - 50 ppb (Working STD)	0.5 mL (6037-S) + 4 mL Conc. HNO_3	↗ 200 mL w/ DI	50 ppb	AccuSTD Baker	6037-S E26035	CT
7162-S	1/16/08	1/16/08	Hg - 50 ppb (REF STD)	0.5 mL (5487-S) + 4 mL Conc. HNO_3	↓	50 ppb	Absolute Baker	5487-S E26035	↓
7163-S	1/16/08	1/16/08	ICB / CCB	0.5 mL Conc. HNO_3	↓	—	Baker	E26035	↓
7164-S	1/16/08	1/16/08	Hg Cal Curve (WATER)	0.0 mL (7161-S) 0.2 0.5 1.0 2.0 5.0 10.0	↗ 50 mL w/ DI	0.0 ppb 0.2 0.5 1.0 2.0 5.0 10.0	AccuSTD	7161-S	CT
7165-S	1/16/08	1/16/08	ICV (Hg)	4.0 mL (7162-S)	↗ 50 mL w/ DI	4.0 ppb	Absolute	7162-S	CT
7166-S			CRA (Hg)	0.2 mL (7161-S)	↓	0.2 ppb	AccuSTD	7161-S	↓
7167-S	↓	↓	CCV (Hg)	2.0 mL (7161-S)	↓	2.0 ppb	↓	↓	↓

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: STD3 Standard Number: 7153-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	500	0.5	10
Antimony	AccuSTD	B5095031	6335-S	1,000	500	0.5	1
Arsenic	AccuSTD	B5115036	6336-S	1,000	500	0.5	1
Barium	AccuSTD	B5025074	6337-S	1,000	500	0.5	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	500	0.5	1
Boron	AccuSTD	B6085025	6339-S	1,000	500	0.5	1
Cadmium	AccuSTD	B6115069	6340-S	1,000	500	0.5	1
Calcium	AccuSTD	B6065137	6341-S	10,000	500	1.0	20
Chromium	AccuSTD	B6065124	6342-S	1,000	500	0.5	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	500	0.5	1
Copper	AccuSTD	B6095096	6360-S	1,000	500	0.5	1
Iron	AccuSTD	B6035048	6344-S	1,000	500	1.0	2
Lead	AccuSTD	B6075090	6345-S	1,000	500	0.5	1
Magnesium	AccuSTD	B5015118	6346-S	10,000	500	1.0	20
Manganese	AccuSTD	B6065026	6347-S	1,000	500	0.5	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	500	0.5	1
Nickel	AccuSTD	B4065040	6349-S	1,000	500	0.5	1
Selenium	AccuSTD	B6065129	6351-S	1,000	500	0.5	1
Silver	AccuSTD	B6125004	6446-S	500	500	0.5	0.5
Sodium	AccuSTD	B6025117	6353-S	10,000	500	1.0	20
Strontium	AccuSTD	B5035151	6354-S	1,000	500	0.5	1
Thallium	AccuSTD	B6055036	6355-S	1,000	500	0.5	1
Tin	AccuSTD	B6015089	6356-S	1,000	500	0.5	1
Titanium	AccuSTD	B5085113	6357-S	1,000	500	0.5	1
Vanadium	AccuSTD	B7025121	6358-S	1,000	500	0.5	1
Zinc	AccuSTD	B6015140	6359-S	1,000	500	0.5	1
HNO3	J T Baker	E26035	-	Conc.	500	15.0	3%
HCl	J T Baker	2630-R	-	1+1	500	50.0	5%

Comment: _____

Date Prepared: 1/3/08 Date Expires: 1/3/09

Prepared By: Cang Tran Reviewed By: _____

Multielement Standard Preparation

Name of Standard: CCV Standard Number: 7157-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	1,000	0.5	5
Antimony	AccuSTD	B5095031	6335-S	1,000	1,000	0.5	0.5
Arsenic	AccuSTD	B5115036	6336-S	1,000	1,000	0.5	0.5
Barium	AccuSTD	B5025074	6337-S	1,000	1,000	0.5	0.5
Beryllium	AccuSTD	B5115083	6338-S	1,000	1,000	0.5	0.5
Boron	AccuSTD	B6085025	6339-S	1,000	1,000	0.5	0.5
Cadmium	AccuSTD	B6115069	6340-S	1,000	1,000	0.5	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	1,000	1.0	10
Chromium	AccuSTD	B6065124	6342-S	1,000	1,000	0.5	0.5
Cobalt	AccuSTD	B6125064	6343-S	1,000	1,000	0.5	0.5
Copper	AccuSTD	B6095096	6360-S	1,000	1,000	0.5	0.5
Iron	AccuSTD	B6035048	6344-S	1,000	1,000	1.0	1
Lead	AccuSTD	B6075090	6345-S	1,000	1,000	0.5	0.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	1,000	1.0	10
Manganese	AccuSTD	B6065026	6347-S	1,000	1,000	0.5	0.5
Molybdenum	AccuSTD	B6065081	6348-S	1,000	1,000	0.5	0.5
Nickel	AccuSTD	B4065040	6349-S	1,000	1,000	0.5	0.5
Potassium	AccuSTD	B5075123	6350-S	10,000	1,000	1.0	10
Selenium	AccuSTD	B6065129	6351-S	1,000	1,000	0.5	0.5
Silver	AccuSTD	B6125004	6446-S	500	1,000	0.5	0.25
Sodium	AccuSTD	B6025117	6353-S	10,000	1,000	1.0	10
Strontium	AccuSTD	B5035151	6354-S	1,000	1,000	0.5	0.5
Thallium	AccuSTD	B6055036	6355-S	1,000	1,000	0.5	0.5
Tin	AccuSTD	B6015089	6356-S	1,000	1,000	0.5	0.5
Titanium	AccuSTD	B5085113	6357-S	1,000	1,000	0.5	0.5
Vanadium	AccuSTD	B7025121	6358-S	1,000	1,000	0.5	0.5
Zinc	AccuSTD	B6015140	6359-S	1,000	1,000	0.5	0.5
HNO3	J T Baker	E26035	-	Conc.	1,000	30.0	3%
HCl	J T Baker	2630-R	-	1+1	1,000	100.0	5%

Comment:

Date Prepared: 1/10/08 Date Expires: 1/10/09

Prepared By: Cang Tran Reviewed By:

Multielement Standard Preparation

Name of Standard: CRI(PQL) 100X Standard Number: 7158-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.1	10
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.6	6
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.1	1
Barium	AccuSTD	B5025074	6337-S	1,000	100	1.0	10
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.1	1
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.5	5
Cadmium	AccuSTD	B6115069	6340-S	1,000	100	0.1	1
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.0	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.1	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.5	5
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.1	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.5	5
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.1	1
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.0	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.5	5
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.5	5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.5	5
Potassium	AccuSTD	B5075123	6350-S	10,000	100	5.0	500
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.1	1
Silver	AccuSTD	B6125004	6446-S	500	100	0.2	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.0	100
Strontium	AccuSTD	B5035151	6354-S	1,000	100	0.5	5
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.2	2
Tin	AccuSTD	B6015089	6356-S	1,000	100	0.5	5
Titanium	AccuSTD	B5085113	6357-S	1,000	100	0.5	5
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.5	5
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.2	2
HNO3	J T Baker	E26035	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 1/10/08 Date Expires: 1/10/09

Prepared By: Cang Tran Reviewed By: _____

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

7186-5
Received - 1/28/08
Opened - 1/28/08
Expire - 1/2/09

CAT.NO. ICP-SSWS-M

Certificate of Analysis

Multi-Element Spiking Solution 1 for Water and Soil Samples-Modified

Lot # 0731305

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 0 2 2009
MSDS ATTACHED

Multi-Element Spiking Solution 1 for Water and Soil Samples-Modified

Element List

(µg/mL)

Aluminum	200
Antimony	50
Arsenic	4
Barium	200
Beryllium	5
Cadmium	5
Chromium	20
Cobalt	50
Copper	25
Iron	100
Lead	2
Manganese	50
Nickel	50
Selenium	1
Silver	5
Thallium	5
Vanadium	50
Zinc	50

HIGH-PURITY STANDARDS

P.O. Box 41727
Charleston, SC 29423
TEL: (843) 767-7900
FAX: (843) 767-7906

7187-5
Received - 1/28/08
Opened - 1/28/08
Expire - 1/2/09

CAT. NO. CRDL

Certificate of Analysis

CRDL Detection Limit Standard

Lot # 0701208

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JAN 0 2 2009
MSDS ATTACHED

CRDL Detection Limit Standard

Element List

(µg/mL)

Antimony	120
Arsenic	20
Beryllium	10
Cadmium	10
Chromium	20
Cobalt	100
Copper	50
Lead	6
Manganese	30
Nickel	80
Selenium	10
Silver	20
Thallium	20
Vanadium	100
Zinc	40

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7179-5	1/24/08	1/24/08	Hg - 50 ppb (REF STD)	0.5 ml (5487-5) + 4 ml Conc. HNO3	↗ 200 ml w/ DI	50 ppb	Absolute Baker	5487-5 E26035	CT
7180-5	1/24/08	1/24/08	ICB / CCB	0.5 ml Conc. HNO3	↓	—	Baker	E26035	↓
7181-5	1/24/08	1/24/08	Hg Cal Curve (WATER)	0.0 ml (7178-5)	↗ 50 ml w/ DI	0.0 ppb	AccuSTD	7178-5	CT
	↓	↓	↓	0.2	↓	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7182-5	1/24/08	1/24/08	ICV (Hg)	4.0 ml (7179-5)	↗ 50 ml w/ DI	4.0 ppb	Absolute	7179-5	CT
7183-5			CRA (Hg)	0.2 ml (7178-5)		0.2 ppb	AccuSTD	7178-5	
7184-5			CCV (Hg)	2.0 ml (7178-5)		2.0 ppb			
7185-5	↓	↓	CCV (Hg)	2.0 ml (7178-5)	↓	2.0 ppb	↓	↓	↓
7186-5	1/28/08	1/2/09	CLP spike	Stock, Received 100 ml	100 ml	See # 7186-5	High Purity	0731305	CT
7187-5	1/28/08	1/2/09	CRDL	↓	↓	7187-5	↓	0701208	↓

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7308-S	3/24/08	3/24/08	Hg. 50 ppb (Working STD)	0.5mL (7281-S) + 4mL Conc. HNO_3	↗ 200mL w/ DI	50 ppb	AccuSTD	7281-S	CT
							Baker	E27027	
7309-S			Hg. 50 ppb (REF STD)	0.5mL (7282-S) + 4mL Conc. HNO_3		50 ppb	Absolute	7282-S	CT
							Baker	E27027	
7310-S			ICB/CCB	0.5mL Conc. HNO_3		—	Baker	E27027	CT
7311-S	3/24/08	3/24/08	Hg Cal Curve (WATER)	0.0mL (7308-S)	↗ 50mL w/ DI	0.0 ppb	AccuSTD	7308-S	CT
				0.2mL		0.2			
				0.5mL		0.5			
				1.0mL		1.0			
				2.0mL		2.0			
				5.0mL		5.0			
				10.0mL		10.0			
7312-S	3/24/08	3/24/08	ICV (Hg)	4.0mL (7309-S)	↗ 50mL w/ DI	4.0 ppb	Absolute	7309-S	CT
7313-S			CRA (Hg)	0.2mL (7308-S)		0.2	AccuSTD	7308-S	
7314-S			CCV (Hg)	2.0mL		2.0			
7315-S	3/25/08	3/25/09	Low Level Cal STD-Soil 100X	See prep sheet in metals certificate book			AccuSTD	—	CT
7316-S	3/25/08	3/25/09	Low Level Cal STD-W 100X					—	CT
7317-S	3/25/08	3/25/09	Low level Cal STD-S (1X)	1mL (7315-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7315-S	AccuSTD Baker	7315-S E27027 2630-R	CT

Reviewed By: _____

Date: _____

Multielement Standard Preparation

Name of Standard: **LOW LEVEL CAL STD - S (100X)** Standard Number: **7315-S**

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	1.00	10
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.50	5
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.10	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.00	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.10	1
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.20	2
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.30	3
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.30	3
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.30	3
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	2.00	200
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.60	6
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	E27027	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/25/08 Date Expires: 3/25/09

Prepared By: Cang Tran Reviewed By: M Tashrudi

Multielement Standard Preparation

Name of Standard: **LOW LEVEL CAL STD - W (100X)** Standard Number: **7316-S**

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.50	5
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.30	3
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.50	5
Beryllium	AccuSTD	B5115083	6447-S	100	100	0.40	0.4
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.10	110
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.60	6
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.10	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	2.00	20
Lead	AccuSTD	B6075090	6449-S	100	100	2.50	2.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6450-S	100	100	1.50	1.5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	1.00	100
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.80	8
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	E27027	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/25/08 Date Expires: 3/25/09

Prepared By: Cang Tran Reviewed By: M Tashlandi

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7318-S	3/25/08	3/25/09	Low Level Cal STD. (1X)	@ 1mL (7316-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7316-S	AccuSTD Baker	7316-S E27027	CT
7319-S	3/25/08	3/25/09	CRI (ONEIDA) 1000X	0.1mL (6340-S) Cd 0.5mL (6342-S) Cr 0.5mL (6360-S) Cu 1.0mL (6349-S) Ni 0.5mL (6336-S) As 0.5mL (6345-S) Pb 0.5mL (6351-S) Se 1.0mL (6359-S) Zn + 5mL Conc. HNO_3	↗ 100mL w/ DI	Cd-1 ppm Cr-5 Cu-5 Ni-10 As-5 Pb-5 Se-5 Zn-10	↓ AccuSTD Baker	2630-R 6340-S 6342-S 6360-S 6349-S 6336-S 6345-S 6351-S 6359-S E27027	CT
7320-S	3/25/08	3/25/09	CRI (ONEIDA) 1X	0.1mL (7319-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7319-S	AccuSTD Baker	7319-S E27027	CT
7321-S	3/25/08	1/2/09	CRI (ICAP)	0.1mL (7187-S) + 3mL Conc. HNO_3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7187-S	High Purity Baker	2630-R 7187-S E27027	CT
7322-S	3/25/08	3/25/08	Hg 50 ppb (REF S-19)	0.5mL (7282-S) + 4mL HNO_3	↗ 200mL w/ DI	50 ppb	↓ ABSOLUTE BAKER	2630-R 7282-S E27027	
7323-S	3/25/08	7/10/08	ICSAB	20mL (7017-S) 2mL (6768-S) + 2mL (7324-S) + 20mL (1:1) HCl + 6mL Conc. HNO_3	↗ 200mL w/ DI	See # 7017-S 6768-S 7324-S	High Purity AccuSTD Baker	7017-S 6768-S 7324-S 2630-S E27027	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7324-S	3/25/08	3/25/09	ICSB-2 (ICAP)	5.0 mL (6339-S) B 5.0 mL (6350-S) K 5.0 mL (6348-S) Mo 1.0 mL (6353-S) Na 5.0 mL (6356-S) Sn 5.0 mL (6354-S) Sr 5.0 mL (6357-S) Ti + 3 mL Conc. HNO_3 + 10 mL (1:1) HCl	↗ 100 mL w/ DI	AccuSTD	B-50 ppm K-100 Mo-50 Na-100 Sn-50 Sr-50 Ti-50	6339-S 6350-S 6348-S 6353-S 6356-S 6354-S 6357-S E27027 2630-R	CT
7325-S	3/25/08	11/2/08	ICSA (ICAP)	20 mL (7017-S) + 20 mL (1:1) HCl + 6 mL Conc. HNO_3	↗ 200 mL w/ DI	See #7017-S	High Purity Baker	7017-S 2630-R E27027	CT
7326-S	3/27/08	3/27/08	50 ppb Hg (WRKNG STD)	0.2 mL (7281-S) + 4 mL conc HNO_3	↗ 200 mL w/ DI	50 ppb	ACCUSTD BAKER	7281-S E27027	DR
7327-S	3/27/08	3/27/08	50 ppb Hg (REF STD)	0.5 mL (7282-S) + 4 mL conc HNO_3	↗ 200 mL w/ DI	50 ppb	ABSOLUTE BAKER	7282-S E27027	DR
7328-S	3/27/08	3/27/08	ICB/CCB	0.5 mL conc HNO_3	↗ 100 mL w/ DI	—	BAKER	E27027	DR
7329-S ↓ 330-S ↓ 331-S	3/27/08	3/27/08	ICV Hg soil CRA CCV (SOIL)	4.0 mL (7327-S) 0.8 & per 3-27-08 mL (7326-S) 1.0 mL	50 mL w/ DI	4.0 ppb 0.2 2.0	ABSOLUTE ACCUSTD	(7327-S) (7326-S)	DR

Reviewed By: _____

Date: _____

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Charleston, SC 29423
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HIGH-PURITY STANDARDS

Certificate of Analysis

SM-108-001 (Spike)
Solution A
Lot # 0819603

7556-S

Received - 7/15/08
Opened - 7/15/08
Expire - 7/14/09

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.95+%	HNO_3, 2%	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C Rains

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 14 2009
MSDS ATTACHED

7556-5

Received - 7/15/08
Opened - 7/15/08
Expire - 7/14/09

SM-108-001 (SPIKE)

Solution A

Element List

(µg/mL)

Aluminum	100
Arsenic	20
Barium	20
Beryllium	20
Boron	50
Cadmium	20
Calcium	1000
Chromium	20
Cobalt	20
Copper	20
Iron	100
Lead	20
Magnesium	1000
Manganese	20
Nickel	20
Potassium	1000
Selenium	20
Sodium	1000
Strontium	20
Thallium	20
Vanadium	20
Zinc	20

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HIGH-PURITY STANDARDS

Certificate of Analysis

7557-5

SM-108-001 (SPIKE)
Solution B
Lot # 0819604

Received - 7/15/08
Opened - 7/15/08
Expire - 7/14/09

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals Salts or Oxides	99.996+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5%
			Antimony 20
			Molybdenum 20
			Silver 5
			Tin 20
			Titanium 20

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains

Theodore C. Rains, Ph.D.
President

Exp Date JUL 1 4 2009
MSDS ATTACHED

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
DR 7.15.08 ~~7544-S~~ ~~7544-S~~	7.8.08	7.8.08	ICV Hg	4.0 mL (7538-S)	↗ 50 mL w/ DI	4.0 ppb	ABSOLUTE	(7538-S)	DR
7545-S	7/9/08	7/24/08	ICV (ICAP)	2 mL (6796-S)	↗ 200mL w/ DI	See # 6796-S 6797-S	High Purity Baker	6796-S 6797-S E27027	CT
				2 mL (6797-S)					
				6 mL conc HNO3				2690-R	
				2.0 mL (1:1) HCl					
DR 7.15.08 ~~7546-S~~ ~~7546-S~~	7/15/08	7/15/08	Hg CAL 50 ppb (working STD)	0.5 mL (7281-S) + 4 mL conc HNO3	↗ 200 ~~250~~ mL DR 7.15.08 w/ DI	50 ppb	Accustd BAKER	(7281-S) E27027	DR
7547-S	7/15/08	7/15/08	Hg REF 50 ppb (REF STD)	0.5 mL (7281-S) + 4 mL conc HNO3	↗ 200mL w/ DI	50 ppb	ABSOLUTE BAKER	(7282-S) E27027	DR
7548-S	7/15/08	7/15/08	ICB/CCB	0.5 mL ~~(7282-S)~~ conc HNO3 DR 7.15.08 ~~4mL conc HNO3~~	↗ 200 ml w/ DI	–	BAKER	E27027	DR
7549-S	7/15/08	7/15/08	Hg. 50 ppb (Working STD)	0.5 mL (7281-S) + 4 mL Conc. HNO3	↗ 200mL w/ DI	50 ppb	AccuSTD Baker	7281-S E27027	CT
7550-S	7/15/08	7/15/08	Hg - 50 ppb REF STD	0.5mL (7282-S) + 4 mL Conc. HNO3		50 ppb	Absolute Baker	7282-S E27027	
7551-S	7/15/08	7/15/08	ICB/CCB	0.5 mL Conc. HNO3		–	Baker	E27027	
7552-S	7/15/08	7/15/08	ICV (Hg)	4.0 mL (7550-S)	↗ 50 mL w/ DI	4 ppb	Absolute	7550-S	CT
7553-S	7/15/08	7/15/08	CRA (Hg)	0.2 mL (7549-S)		0.2 ppb	AccuSTD	7549-S	
7554-S	7/15/08	7/15/08	CCV (Hg)	2.0 mL (7549-S)		2 ppb			

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7555-5	7/15/08	7/15/08	Hg Cal Curve (Soil)	0.0 mL (7549-5)	↑ 50mL	0.0 ppb	AccuSTD	7549-5	CT
	↓	↓	↓	0.2	w/ DI	0.2	↓	↓	↓
				0.5	↓	0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7556-5	7/15/08	7/14/09	QC spike Solution A	Stock, Received 500mL	500 mL	See # 7556-5	High Purity	0819603	CT
7557-5	7/15/08	7/14/09	QC spike Solution B	↓	↓	7557-5	↓	0819604	↓
7558-5	7/15/08	7/14/09	ICV (ICAP)	2ml (7556-5)	↑ 200mL	See # 7557-5 7556-5	High Purity Baker	7556-5 7557-5 E27027 2630-R	CT
	↓	↓	↓	2ml (7557-5)	w/ DI		↓	↓	↓
				6mL Conc. HNO3	↓				
				20 ml (1:1) HCl					

7/15/08 CT

Reviewed By: _____

Date: _____

7573-5
Received - 7/23/08
Opened - 7/23/08
Expire - 7/18/09

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HIGH-PURITY STANDARDS

CAT. NO. ANALCS-R

Certificate of Analysis

CLP Analyte Standard-Revised

Lot # 0728327

Source	Source Purity	Matrix	Standard Concentration
High Purity Metals, Salts or Oxides	99.99+%	HNO_3, 2% + Tr HF	µg/mL ± 0.5% See element list on reverse

This spectrometric standard solution has been prepared from high-purity reference materials. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. The reference materials have been assayed by inductively coupled plasma optical emission spectrometry (ICP-OES).

The standard has been prepared gravimetrically by weighing the reference material to 5 significant figures. Volumetric glassware has been calibrated gravimetrically to 5 significant figures. The standard concentration has been verified by ICP-OES against an independent source which is directly traceable to National Institute of Standards and Technology, Standard Reference Material No. 3100 series.

This standard is valid for one year from the shipping date provided the solution is kept tightly capped and stored under normal laboratory conditions.

Theodore C. Rains, Ph.D.
President

Exp Date: JUL 18 2009

MSDS ATTACHED

CLP Analyte Standard-Revised

Element List

(µg/mL)

Antimony	60
Arsenic	10
Barium	50
Beryllium	50
Cadmium	100
Chromium	50
Copper	50
Cobalt	50
Lead	5
Manganese	50
Nickel	100
Selenium	5
Silver	20
Thallium	10
Vanadium	50
Zinc	100

7573-5

Received - 7/23/08
Opened - 7/23/08
Expire - 7/08/09

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7570-5	7/21/08	7/21/08	ICV (Hg)	4.0 mL (7567-5)	↗ 50mL (w/ DI	4.0 ppb	Absolute	7567-5	CT
7571-5	↓	↓	CRA (Hg)	0.2 mL (7566-5)	↓	0.2 ppb	AccuSTD	7566-5	↓
7572-5	↓	↓	CCV (Hg)	2.0 mL (7566-5)	↓	2.0 ppb	↓	↓	↓
7573-5	7/23/08	7/18/09	ICSB 1	Stock, Received 100 mL	100 mL	See # 7573-5	High Purity	0728327	CT
7574-5	7/23/08	11/2/08	ICSAB	20mL (7017-5)	↗ 200mL	See #	High Purity,	7017-5	CT
↓	↓	↓	(ICAP)	2mL (7324-5)	w/ DI	7017-5	AccuSTD	7324-5	↓
↓	↓	↓	↓	2mL (7573-5)	↓	7324-5	High Purity	7573-5	↓
↓	↓	↓	↓	+ 20mL (1:1) HCl	↓	7573-5	Baker	2630-R	↓
↓	↓	↓	↓	+ 6mL Conc. HNO3	↓	↓	↓	E27027	↓

Reviewed By: _____

Date : _____

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HIGH-PURITY STANDARDS

Certificate of Analysis

7658-5

Product Description:

Name:	CLP Interference Check Standard 1
Part number:	**CLP-INF-1**
Lot number:	**0805302**
Matrix:	5% HNO_3
Purity:	99.98% - 99.999%

Received – 9/16/08
Opened – 9/16/08
Expire – 9/10/09

Certified Values:

Element	(µg/mL)	Element	(µg/mL)	Element	(µg/mL)	Element	(µg/mL)
Al	5000 ± 25	Ca	5000 ± 25	Fe	2000 ± 10	Mg	5000 ± 25

The Certified values are based on gravimetric and volumetric preparation, and verified against SRM 3100 series developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

a. **Analytical Balance Calibration**: All balances are calibrated weekly by and in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions. The traceability of this standard to NIST is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. A "second source standard" is used when a NIST SRM is not available.

Packaging and Storage Conditions:

The standard solution is guaranteed to be valid for twelve months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

7658-S

Received – 9/16/08
Opened – 9/16/08
Expire – 9/10/09

Preparation Date: February 21, 2008

Shipped Date: SEP 10 2008

Expiration Date: SEP 10 2009

Andrew P. Burke, PhD., Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD., President

February 22, 2008

Certificate Issue Date

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Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7654-S ↓ 55-S	9.9.08 ↓	9.9.08 ↓	CCU Hg WATER	2.0 mL (7645-S)	↑ 50mL w/DI	2.0 ppb	Accustd	7645-S	DA
7656-S	9.9.08	9.9.08	ICU Hg (WATER	4.0 mL (7646-S)	↑ 50mL w/DI	4.0 ppb	ABSOLUTE	7646-S	DA
7657-S	9.16.08	10.16.08	TCLP Hg SPK SOLN	2.5 mL (7282-S) + 5 mL conc HNO_3	↑ 50mL w/DI	1 mg/L	ABSOLUTE BAKER	7282-S 627027	DA
7658-S	9/16/08	9/16/09	ICSA	Stock, Received 250ml	250 ml	See # 7658-S	High Purity	0805302	CT

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7696-5	10-1-08	10-1-08	Hg CAL STD's (WATER	0.0 mL (7688-5) 0.2 0.5 1.0 2.0 5.0 10.0	↑ 50 mL w/ DI	0.0 ppb 0.2 0.5 1.0 2.0 5.0 10.	Accustd	(7688-5)	DR
7697-5	10-1-08	10-1-08	ICV Hg (WATER)	4.0 mL (7689-5)	↑ 50 mL w/ DI	4.0 ppb	ABSOLUTE	(7689-5)	DR
7698-5 7699-5	10-1-08 ↓	10-1-08 ↓	CCV Hg ↓ (WATER)	2.0 mL (7688-5) ↓	↑ 50 mL w/ DI	2.0 ppb ↓	Accustd ↓	(7688-5) ↓	DR
7700-5	10-1-08	10-1-08	CRA Hg (WATER)	0.2 mL (7688-5)	↑ 50 mL w/ DI	0.2 ppb	Accustd	7688-5	DR
7701-5	10/7/08	9/10/09	ICSA	20mL (7658-5) + 20ml (1:1) HCl + 6mL Conc. HNO3	↑ 200mL w/ DI	See #7658-5	High Purity Baker ↓	7658-5 2630-R E27027	CT
7702-5	10/7/08	3/25/09	ICSAB	20ml (7658-5) 2ml (7324-5) 2ml (7573-5) + 20ml (1:1) HCl + 6mL Conc. HNO3		See #7658-5 7324-5 7573-5	High Purity AccuSTD High Purity Baker ↓	7658-5 7324-5 7573-5 2630-R E27027	

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc.-BL **Trace Metals Section** **Standards Prep Logbook #**

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7802-S	12/15/08	12/15/08	Hg-50 ppb (Working STD)	0.5 mL (7281-S) + 4 mL Conc. HNO_3	↗ 200 mL w/ DI	50 ppb	AccuSTD	7281-S	CT
							Baker	G17027	
7803-S			Hg-50ppb (CREF STD)	0.5mL (7282-S) + 4mL Conc. HNO_3		50 ppb	Absolute	7282-S	CT
							Baker	G17027	
7804-S			ICB / CCB	0.5mL Conc. HNO_3		—			
7805-S	12/15/08	12/15/08	ICV (Hg)	4.0 mL (7803-S)	↗ 50mL w/ DI	4.0 ppb	Absolute	7803-S	CT
7806-S			CRA (Hg)	0.2 mL (7802-S)		0.2 ppb	AccuSTD	7802-S	
7807-S			CCV (Hg)	2.0 mL (7802-S)		2.0 ppb			
7808-S	12/15/08	12/15/08	Hg Cal Curve (WATER)	0.0 mL (7802-S)	↗ 50mL w/ DI	0.0 ppb	AccuSTD	7802-S	CT
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7809-S	12/22/08	6/17/10	Ca-10,000 ppm	Stock, received 100 mL	100 mL	10,000 ppm	Environm. Express	0802213	CT
7810-S			Cr-1000 ppm			1000		080603	
7811-S			Fe-1000 ppm			1000		0823503	
7812-S			Na-10,000 ppm			10,000		0819004	
7813-S			Pb-1000 ppm			1000		0812713	

Reviewed By:_____

Date:_____

Life Science Laboratories, Inc.-BL — Trace Metals Section — Standards Prep Logbook

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7814-5	12/22/08	12/22/09	ICVH	1 mL (7809-5) Ca	↗ 200 mL	Ca - 50 ppm	E Express	7809-5	CT
	↓	↓	(ICAP)	1 mL (7810-5) Cr	w/ DI	Cr - 5	↓	7810-5	↓
				2 mL (7811-5) Fe	↓	Fe - 10		7811-5	
				1 mL (7812-5) Na		Na - 50		7812-5	
				2 mL (7813-5) Pb		Pb - 10		7813-5	
				+ 6 mL Conc HNO3			Baker	G44029	
				+ 20 mL (1:1) HCl			↓	2630R	↓

Revlewed By:_____

Date:_____

ENVIRONMENTAL EXPRESS

Certificate of Analysis

7809-5

Product Description:

Name:	Calcium
Part number:	**HP10M9-1**
Lot number:	**0802213**
Source Material:	Calcium Carbonate
Material Purity:	99.999%
Matrix:	4% HNO_3

Received – 12/22/08
Opened – 12/22/08
Expire – 6/17/10

Certified Value: 10.00 mg/mL ± 0.03 mg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3109a (lot number 050825) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry using an internal laboratory-developed method.. The uncertainty in the certified value is calculated for a 95% confidence interval.

Reference Values:

Density: 1.0487 g/mL @ 23.3°C

Trace Metal Impurity Scan Analysis by ICP-OES and ICP-MS: The approximate values found in the calcium standard solution at 1000 µg/mL are reported below in µg/L. M = Major element.

Ag	<0.02	Cu	<0.1	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<0.1	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<0.5	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	<1	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	<5	Sc	<0.02	V	<0.05
Be	<0.02	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Y	<0.02
Ca	M	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<10	Zr	<0.02
Co	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	<0.1	K	<1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

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Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at National Institute of Standards and Technology for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

a. **Analytical Balance Calibration**: All balances are calibrated weekly by in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standards are directly traceable to SRM 3100 Series Spectrometric Standard Solutions. The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. A "second source standard" is used when a NIST SRM is not available.

Packaging and Storage Conditions:

The standard is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: January 22, 2008

Shipped Date: DEC 17 2008

Expiration Date: JUN 17 2010

7809-5

Received - 12/22/08
Opened - 12/22/08
Expire - 6/17/10

Andrew P. Burke, PhD., Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD., Laboratory Director

February 7, 2008

Certificate Issue Date

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ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

7810-S

Name:	Chromium
Part number:	**HP100012-1**
Lot number:	**0810603**
Source Material:	Chromium Metal
Material Purity:	99.998%
Matrix:	2% HNO_3

Received – 12/22/08
Opened – 12/22/08
Expire – 6/17/10

Certified Value: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3112a (lot number 030730) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

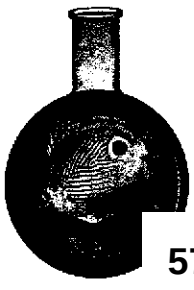
Reference Values:

Density: 1.0119 g/mL @ 23.3°C

Trace Metal Impurity Scan Analysis by ICP-OES and ICP-MS: The approximate values found in the chromium standard solution at 1000 µg/mL are reported below in µg/L. M = Major element.

Ag	<0.02	Cu	<0.1	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<3	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<3	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	<5	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	<1	Sc	<0.02	V	<0.05
Be	<0.02	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<3	Y	<0.02
Ca	<5	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.02	Zr	<0.02
Co	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	M	K	<1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

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Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled, high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: April 21, 2008

Shipped Date: DEC 17 2008

Expiration Date: JUN 17 2010

7816-S

Received - 12/22/08
Opened - 12/22/08
Expire - 6/17/10

Andrew P. Burke, PhD, Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD, Laboratory Director

April 29, 2008

Certificate Issue Date

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ENVIRONMENTAL EXPRESS

Certificate of Analysis

7811-5

Received - 12/22/08
Opened - 12/22/08
Expire - 6/17/10

Product Description:

Name:	Iron
Part number:	**HP100026-1**
Lot number:	**0823503**
Source Material:	Iron Metal
Material Purity:	99.998%
Matrix:	2% HNO_3

Certified Value: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3126a (lot number 051031) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

Reference Values:

Density: 1.0080 g/mL @ 23.2°C

Trace Metal Impurity Scan via ICP Analysis in µg/L: The typical values detected in the iron standard solution at 1000 µg/mL are listed below. The values are based upon the analysis results for the starting source material.

Ag	<0.02	Cu	<10	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<0.1	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<5	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	M	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	<1	Sc	<0.02	V	<0.05
Be	<0.02	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Y	<0.02
Ca	<5	Hf	<0.02	Ni	<10	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.02	Zr	<0.02
Co	<15	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	<0.1	K	<1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

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Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration:** All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle and is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: August 22, 2008

Shipped Date: DEC 17 2008

Expiration Date: JUN 17 2010

7811-5

Received - 12/22/08

Opened - 12/22/08

Expire - 6/17/10

Amy Adams, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

October 6, 2008

Certificate Issue Date

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ENVIRONMENTAL EXPRESS

Certificate of Analysis

7812-5

Received – 12/22/08
Opened – 12/22/08
Expire – 6/17/10

Product Description:

Name:	Sodium
Part number:	**HP10M52-1**
Lot number:	**0819004**
Source Material:	Sodium Carbonate
Material Purity:	99.999%
Matrix:	1% HNO_3

Certified Value: 10.00 mg/mL ± 0.03 mg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3152a (lot number 010728) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry (ICP-OES) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

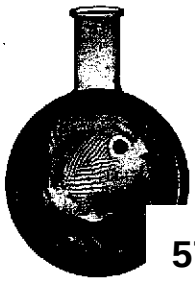
Reference Values:

Density: 1.0222 g/mL @ 24.3°C

Trace Metal Impurity Scan Analysis by ICP-OES and ICP-MS: The approximate values found in the sodium standard solution at 1000 µg/mL are reported below in µg/L.

Ag	<0.02	Cu	<0.1	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<0.1	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<0.5	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	<1	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	M	Sc	<0.02	V	<0.05
Be	<0.02	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Y	<0.02
Ca	<5	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	<0.05	Sr	<0.02	Zr	<0.02
Co	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	<0.1	K	<40	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

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Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.
b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.
c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle and is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: July 8, 2008

Shipped Date: DEC 17 2008

Expiration Date: JUN 17 2010

7812-5

Received - 12/22/08
Opened - 12/22/08
Expire - 6/17/10

Amy Adams, Inorganic Laboratory Manager

Connie Hayes, Quality Manager

Theodore Rains, PhD, Laboratory Director

July 9, 2008

Certificate Issue Date

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ENVIRONMENTAL EXPRESS

Certificate of Analysis

Product Description:

7813-5

Name:	Lead
Part number:	**HP100028-1**
Lot number:	**0812713**
Source Material:	Lead Metal
Material Purity:	99.999%
Matrix:	2% HNO_3

Received – 12/22/08
Opened – 12/22/08
Expire – 6/17/10

Certified Value: 1000 µg/mL ± 3 µg/mL

The Certified value is based on gravimetric preparation, and verified against SRM 3128 (lot number 030721) developed by National Institute of Standards and Technology (NIST) via inductively coupled plasma optical emission spectrometry using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval.

Reference Values:

Density: 1.0080 g/mL @ 22.5°C

Trace Metal Impurity Scan Analysis by ICP-OES and ICP-MS: The approximate values found in the lead standard solution at 1000 µg/mL are reported below in µg/L. M = Major element.

Ag	<0.02	Cu	<2	Li	<0.02	Rb	<0.02	Th	<0.02
Al	<0.1	Dy	<0.02	Lu	<0.02	Re	<0.02	Ti	<0.02
As	<0.05	Er	<0.02	Mg	<0.5	Rh	<0.02	Tl	<0.02
Au	<0.02	Eu	<0.02	Mn	<0.1	Ru	<0.02	Tm	<0.02
B	<1	Fe	<1	Mo	<0.02	Sb	<0.02	U	<0.1
Ba	<0.02	Ga	<0.02	Na	<1	Sc	<0.02	V	<0.05
Be	<0.02	Gd	<0.02	Nb	<0.02	Se	<0.1	W	<0.02
Bi	<0.02	Ge	<0.02	Nd	<0.02	Si	<1	Y	<0.02
Ca	<5	Hf	<0.02	Ni	<0.02	Sm	<0.02	Yb	<0.02
Cd	<0.02	Ho	<0.02	Os	<0.02	Sn	<1	Zn	<0.1
Ce	<0.02	In	<0.02	Pb	M	Sr	<0.02	Zr	<0.02
Co	<0.05	Ir	<0.02	Pd	<0.02	Ta	<0.02		
Cr	<0.1	K	<1	Pr	<0.02	Tb	<0.02		
Cs	<0.02	La	<0.02	Pt	<0.02	Te	<0.02		

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Preparation Information:

The highest purity source materials were purchased from qualified vendors per ISO 9001:2000 guidelines and assayed by ICP-OES for conformity prior to use. This standard was prepared using methods developed at NIST for the preparation of SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and to stabilize the standard. The matrix is as noted above in 18 megaohm deionized water.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties.

a. **Analytical Balance Calibration**: All balances are calibrated weekly by an in-house method using NBS weights Inventory No 20231A. The balances are calibrated yearly and the calibration weights are checked biennially by a qualified metrology company with weights traceable to the primary standards developed by NIST.

b. **Volumetric Device Calibration**: The calibration of all volumetric vessels is checked using the NBS 602 method where all vessels are weighed to five significant figures.

c. **Calibration Standards**: The Calibration Standard is directly traceable to SRM 3100 Series Spectrometric Standard Solutions.

Packaging and Storage Conditions:

The standard is guaranteed to be valid for eighteen months from the shipping date, provided the solution is kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

Preparation Date: May 6, 2008

Shipped Date: DEC 17 2008

Expiration Date: JUN 17 2010

7813-5

Received - 12/22/08
Opened - 12/22/08
Expire - 6/17/10

Andrew P. Burke, PhD, Inorganic Laboratory Manager

Amy Adams, Quality Manager

Theodore Rains, PhD, Laboratory Director

May 12, 2008

Certificate Issue Date

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Life Science Laboratories, Inc.-BL — Trace Metals Section — Standards Prep Logbook

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7831-5	1/5/09	1/5/09	ICV (Hg)	4.0 mL (7828-5)	↗ 50 mL	4.0 ppb	Absolute	7828-5	CT
	↓	↓			w/ DI				↓
7832-5			CRA (Hg)	0.2 mL (7827-5)	↓	0.2 ppb	AccuSTD	7827-5	
7833-5			CCV (Hg)	2.0 mL (7827-5)		2.0 ppb	↓	↓	
7834-5			↓	↓		↓			
7835-5	1/5/09	1/5/10	BLANK/ICB/CCB (ICAP)	100 mL Conc HCl	↗ 2 L	5%	Baker	G26054	CT
	↓	↓		6 mL Conc HNO_3	w/ DI	3%	↓	G44029	↓
7836-5	1/5/09	1/5/10	STD3 (ICAP)	See prep sheet in metals certificate book			AccuSTD	—	CT
7837-5	1/5/09	1/5/10	STD2 (ICAP)	1 mL (6364-5) Fe	↗ 500 mL	Fe-20 ppm	AccuSTD	6364-5	CT
	↓	↓	↓	1 mL (6365-5) Pb	w/ DI	Pb-20	↓	6365-5	↓
				5 mL (6342-5) Cr	↓	Cr-10		6342-5	
				5 mL (6341-5) Ca		Ca-100		6341-5	
				5 mL (6353-5) Na		Na-100	↓	6353-5	
				15 mL Conc HNO_3			Baker	G17027	
				50 mL (1:1) HCl	↓		↓	2970-R	↓
7838-5	1/5/09	1/5/10	STD1 (ICAP)	1 mL (6350-2) K	↗ 50 mL	K-2 ppm	AccuSTD	6350-5	CT
	↓	↓	↓	15 mL Conc HNO_3	w/ DI		Baker	G17027	
				50 mL (1:1) HCl	↓		↓	2970-R	↓
7839-5	1/5/09	1/5/10	CCV (ICAP)	See prep sheet in metals certificate book			AccuSTD	—	CT
7840-5	↓	↓	CRI (PQL) 100X (ICAP)	↓			↓		↓

CT 1/5/09

CT 1/5/09

Reviewed By:_____

Date:_____

Life Science Laboratories, Inc.-BL — Trace Metals Section — Standards Prep Logbook

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7841-S	1/5/09	1/5/10	CCVH (ICAP)	5mL (6341-S) Ca	↑ 1000 mL	Ca_50 ppm	ACCUSTD	6341-S	CT
	↓	↓	↓	5mL (6342-S) Cr	W/ DI	Cr_5	↓	6342-S	↓
				1mL (6364-S) Fe	↓	Fe_10		6364-S	
				5mL (6353-S) Na		Na_50		6353-S	
				1mL (6365-S) Pb		Pb_10		6365-S	
				30mL Conc HNO3		↓	Baker	G17027	
				100mL (1:1) HCl	↓		↓	2970-R	↓
7842-S	1/5/09	1/5/10	CRI (PQL)	2mL (7840-S)	↑ 200mL	See #	ACCUSTD	7840-S	CT
	↓	↓	(ICAP)	6mL Conc HNO3	W/ DI	7840-S	Baker	G17027	
				20mL (1:1) HCl	↓		↓	2970-R	↓

Reviewed By:_____

Date:_____

Multielement Standard Preparation

Name of Standard: STD3 Standard Number: 7836-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	500	0.5	10
Antimony	AccuSTD	B5095031	6335-S	1,000	500	0.5	1
Arsenic	AccuSTD	B5115036	6336-S	1,000	500	0.5	1
Barium	AccuSTD	B5025074	6337-S	1,000	500	0.5	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	500	0.5	1
Boron	AccuSTD	B6085025	6339-S	1,000	500	0.5	1
Cadmium	AccuSTD	B6115069	6340-S	1,000	500	0.5	1
Calcium	AccuSTD	B6065137	6341-S	10,000	500	1.0	20
Chromium	AccuSTD	B6065124	6342-S	1,000	500	0.5	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	500	0.5	1
Copper	AccuSTD	B6095096	6360-S	1,000	500	0.5	1
Iron	AccuSTD	B6035048	6344-S	1,000	500	1.0	2
Lead	AccuSTD	B6075090	6345-S	1,000	500	0.5	1
Magnesium	AccuSTD	B5015118	6346-S	10,000	500	1.0	20
Manganese	AccuSTD	B6065026	6347-S	1,000	500	0.5	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	500	0.5	1
Nickel	AccuSTD	B4065040	6349-S	1,000	500	0.5	1
Selenium	AccuSTD	B6065129	6351-S	1,000	500	0.5	1
Silver	AccuSTD	B6125004	6446-S	500	500	0.5	0.5
Sodium	AccuSTD	B6025117	6353-S	10,000	500	1.0	20
Strontium	AccuSTD	B5035151	6354-S	1,000	500	0.5	1
Thallium	AccuSTD	B6055036	6355-S	1,000	500	0.5	1
Tin	AccuSTD	B6015089	6356-S	1,000	500	0.5	1
Titanium	AccuSTD	B5085113	6357-S	1,000	500	0.5	1
Vanadium	AccuSTD	B7025121	6358-S	1,000	500	0.5	1
Zinc	AccuSTD	B6015140	6359-S	1,000	500	0.5	1
HNO3	J T Baker	G17027	-	Conc.	500	15.0	3%
HCl	J T Baker	2970-R	-	1+1	500	50.0	5%

Comment:

Date Prepared: 1/5/09 Date Expires: 1/5/10

Prepared By: Cang Tran Reviewed By:

Multielement Standard Preparation

Name of Standard: CCV Standard Number: 7839-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	1,000	0.5	5
Antimony	AccuSTD	B5095031	6335-S	1,000	1,000	0.5	0.5
Arsenic	AccuSTD	B5115036	6336-S	1,000	1,000	0.5	0.5
Barium	AccuSTD	B5025074	6337-S	1,000	1,000	0.5	0.5
Beryllium	AccuSTD	B5115083	6338-S	1,000	1,000	0.5	0.5
Boron	AccuSTD	B6085025	6339-S	1,000	1,000	0.5	0.5
Cadmium	AccuSTD	B6115069	6340-S	1,000	1,000	0.5	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	1,000	1.0	10
Chromium	AccuSTD	B6065124	6342-S	1,000	1,000	0.5	0.5
Cobalt	AccuSTD	B6125064	6343-S	1,000	1,000	0.5	0.5
Copper	AccuSTD	B6095096	6360-S	1,000	1,000	0.5	0.5
Iron	AccuSTD	B6035048	6344-S	1,000	1,000	1.0	1
Lead	AccuSTD	B6075090	6345-S	1,000	1,000	0.5	0.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	1,000	1.0	10
Manganese	AccuSTD	B6065026	6347-S	1,000	1,000	0.5	0.5
Molybdenum	AccuSTD	B6065081	6348-S	1,000	1,000	0.5	0.5
Nickel	AccuSTD	B4065040	6349-S	1,000	1,000	0.5	0.5
Potassium	AccuSTD	B5075123	6350-S	10,000	1,000	1.0	10
Selenium	AccuSTD	B6065129	6351-S	1,000	1,000	0.5	0.5
Silver	AccuSTD	B6125004	6446-S	500	1,000	0.5	0.25
Sodium	AccuSTD	B6025117	6353-S	10,000	1,000	1.0	10
Strontium	AccuSTD	B5035151	6354-S	1,000	1,000	0.5	0.5
Thallium	AccuSTD	B6055036	6355-S	1,000	1,000	0.5	0.5
Tin	AccuSTD	B6015089	6356-S	1,000	1,000	0.5	0.5
Titanium	AccuSTD	B5085113	6357-S	1,000	1,000	0.5	0.5
Vanadium	AccuSTD	B7025121	6358-S	1,000	1,000	0.5	0.5
Zinc	AccuSTD	B6015140	6359-S	1,000	1,000	0.5	0.5
HNO3	J T Baker	G17027	-	Conc.	1,000	30.0	3%
HCl	J T Baker	2970-R	-	1+1	1,000	100.0	5%

Comment:

Date Prepared: 1/5/09 Date Expires: 1/5/10

Prepared By: Cang Tra Reviewed By:

Multielement Standard Preparation

Name of Standard: CRI(PQL) 100X Standard Number: 7840-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.1	10
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.6	6
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.1	1
Barium	AccuSTD	B5025074	6337-S	1,000	100	1.0	10
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.1	1
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.5	5
Cadmium	AccuSTD	B6115069	6340-S	1,000	100	0.1	1
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.0	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.1	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.5	5
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.1	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.5	5
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.1	1
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.0	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.5	5
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.5	5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.5	5
Potassium	AccuSTD	B5075123	6350-S	10,000	100	5.0	500
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.1	1
Silver	AccuSTD	B6125004	6446-S	500	100	0.2	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.0	100
Strontium	AccuSTD	B5035151	6354-S	1,000	100	0.5	5
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.2	2
Tin	AccuSTD	B6015089	6356-S	1,000	100	0.5	5
Titanium	AccuSTD	B5085113	6357-S	1,000	100	0.5	5
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.5	5
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.2	2
HNO3	J T Baker	G17027	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 1/5/09 Date Expires: 1/5/10

Prepared By: CamTra Reviewed By: [signature]

Multielement Standard Preparation

Name of Standard: LOW LEVEL CAL STD - S (100X) Standard Number: 7957-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	1.00	10
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.50	5
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.10	1
Beryllium	AccuSTD	B5115083	6338-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.00	100
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.10	1
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.20	2
Iron	AccuSTD	B6035048	6344-S	1,000	100	0.30	3
Lead	AccuSTD	B6075090	6345-S	1,000	100	0.30	3
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6348-S	1,000	100	0.30	3
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	2.00	200
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.60	6
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	H02026	-	Conc.	100	6.0	6%

Comment: _____

Date Prepared: 3/23/09 Date Expires: 3/23/10

Prepared By: Cang Tran Reviewed By: M Tashrudi

Multielement Standard Preparation

Name of Standard: LOW LEVEL CAL STD - W (100X) Standard Number: 7958-S

Element	Manufacturer	Lot #	Std #	Initial Conc. (mg/L)	Final Volume (mL)	Volume Used (mL)	Final Conc. (mg/L)
Aluminum	AccuSTD	B5105043	6334-S	10,000	100	0.20	20
Antimony	AccuSTD	B5095031	6335-S	1,000	100	0.50	5
Arsenic	AccuSTD	B5115036	6336-S	1,000	100	0.30	3
Barium	AccuSTD	B5025074	6337-S	1,000	100	0.50	5
Beryllium	AccuSTD	B5115083	6447-S	100	100	0.40	0.4
Boron	AccuSTD	B6085025	6339-S	1,000	100	0.10	1
Cadmium	AccuSTD	B6115069	6448-S	100	100	0.50	0.5
Calcium	AccuSTD	B6065137	6341-S	10,000	100	1.10	110
Chromium	AccuSTD	B6065124	6342-S	1,000	100	0.10	1
Cobalt	AccuSTD	B6125064	6343-S	1,000	100	0.60	6
Copper	AccuSTD	B6095096	6360-S	1,000	100	0.10	1
Iron	AccuSTD	B6035048	6344-S	1,000	100	2.00	20
Lead	AccuSTD	B6075090	6449-S	100	100	2.50	2.5
Magnesium	AccuSTD	B5015118	6346-S	10,000	100	1.00	100
Manganese	AccuSTD	B6065026	6347-S	1,000	100	0.10	1
Molybdenum	AccuSTD	B6065081	6450-S	100	100	1.50	1.5
Nickel	AccuSTD	B4065040	6349-S	1,000	100	0.20	2
Potassium	AccuSTD	B5075123	6350-S	10,000	100	1.00	100
Selenium	AccuSTD	B6065129	6351-S	1,000	100	0.30	3
Silver	AccuSTD	B6125004	6446-S	500	100	0.20	1
Sodium	AccuSTD	B6025117	6353-S	10,000	100	1.00	100
Thallium	AccuSTD	B6055036	6355-S	1,000	100	0.80	8
Vanadium	AccuSTD	B7025121	6358-S	1,000	100	0.10	1
Zinc	AccuSTD	B6015140	6359-S	1,000	100	0.20	2
HNO3	J T Baker	H02026	-	Conc.	100	6.0	6%

Comment:

Date Prepared: 3/23/09 Date Expires: 3/23/10

Prepared By: Cang Tran Reviewed By: M Tashousli

Life Science Laboratories, Inc.-BL **Trace Metals Section** **Standards Prep Logbook #**

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7957-S	3/23/09	3/23/10	Low Level Cal STD-S (100X)	See prep sheet in metals certificate book			AccuSTD	—	CT
7958-S	3/23/09	3/23/10	Low Level Cal STD-W (100X)					—	
7959-S	3/23/09	3/23/10	Low Level Cal STD-S (1X)	1mL (7957-S) + 3mL Conc HNO3 + 10mL (1:1) HCl	↗ 100mL w/ DI	See # 7957-S	AccuSTD Baker	7957-S H02026 2970-R	CT
7960-S	3/23/09	3/23/10	Low Level Cal STD-W (1X)	1mL (7958-S) + 3mL Conc HNO3 + 10mL (1:1) HCl		See # 7958-S	AccuSTD Baker	7958-S H02026 2970-R	
7961-S	3/23/09	3/23/10	ICSA-2 (ICAP)	5mL (6337-S) B 5mL (6350-S) K 5mL (6348-S) Mo 1mL (6353-S) Na 5mL (6356-S) Si 5mL (6354-S) Sr 5mL (6357-S) Ti + 3mL Conc. HNO3 + 10mL (1:1) HCl	↗ 100mL w/ DI	B-50 ppm K-500 Mo-50 Na-100 Si-50 Sr-50 Ti-50	AccuSTD Baker	6337-S 6350-S 6348-S 6353-S 6356-S 6354-S 6357-S H02026 2970-R	CT
7962-S	3/23/09	7/18/09	ICSAB	20mL (~~7957-S~~)* (7658-S) 2mL (7573-S) 2mL (7961-S) + 6mL Conc. HNO3 + 20mL (1:1) HCl	↗ 200mL w/ DI	See # 7658-S 7573-S 7961-S	High Purity AccuSTD Baker	7658-S 7573-S 7961-S H02026 2970-R	CT

* CT 3/23/09

Reviewed By:_____

Date:_____

Mercury Data

Analytical Results

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-001A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-01-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.27		0.12	0.010	mg/Kg-dry	1	04/10/09 12:11

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

Print Date: 04/16/09 15:19 438788 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-002A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-02-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 11:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 30.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.31		0.14	0.012	mg/Kg-dry	1	04/10/09 12:13

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

Print Date: 04/16/09 15:19 438789 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-003A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-05-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 12.6	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.51		0.11	0.0096	mg/Kg-dry	1	04/10/09 12:16

Qualifiers:

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

Print Date: 04/16/09 15:19 438790 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-004A
Project:	Tract II	**Client Sample ID:**	*9-32-136-TP-06-0309-(0-2*
W Order:	0904022	**Collection Date:**	03/30/09 15:24
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 13.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.96		0.12	0.0097	mg/Kg-dry	1	04/10/09 12:18

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

Print Date: 04/16/09 15:19 438791 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-005A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-07-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.2		0.12	0.0098	mg/Kg-dry	1	04/10/09 12:20

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

Print Date: 04/16/09 15:19 438792 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-006A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-08-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/30/09 15:47
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 15.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.70		0.12	0.0099	mg/Kg-dry	1	04/10/09 12:22

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

Print Date: 04/16/09 15:19 438793 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-007A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-09-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.0	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	6.7	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:24

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

Print Date: 04/16/09 15:19 438794 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-007ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-09-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 9:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.0	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** I-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	8.2		2.6	0.22	mg/Kg-dry	20	04/10/09 15:30

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

Print Date: 04/16/09 15:19 438860 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-008A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-10-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 10:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.6	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:31

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-008ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-10-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 10:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.6		1.3	0.11	mg/Kg-dry	10	04/10/09 15:32

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

Print Date: 04/16/09 15:19 438861 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-009A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-11-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.7		0.12	0.010	mg/Kg-dry	1	04/10/09 12:33

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-010A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-12-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 12.1	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.35		0.11	0.0095	mg/Kg-dry	1	04/10/09 12:35

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	3.2	E	0.12	0.010	mg/Kg-dry	1	04/10/09 12:42

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

Print Date: 04/16/09 15:19 438802 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-011ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-13-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	3.4		1.2	0.10	mg/Kg-dry	10	04/10/09 15:34

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-012A**
Project:	Tract II	**Client Sample ID:**	*9-32-136-TP-14-0309-(0-2*
W Order:	0904022	**Collection Date:**	03/31/09 12:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 22.4	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.47		0.13	0.011	mg/Kg-dry	1	04/10/09 12:44

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-013A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-15-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 19.0	**BatchNo:**	9231/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.023	J	0.12	0.010	mg/Kg-dry	1	04/10/09 12:46

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	5.8	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:48

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-014ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-16-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 13:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.8	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	6.6		2.7	0.22	mg/Kg-dry	20	04/10/09 15:36

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

Print Date: 04/16/09 15:19 438863 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	3.8	E	0.13	0.011	mg/Kg-dry	1	04/10/09 12:50

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-015ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-17-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	4.2		1.3	0.11	mg/Kg-dry	10	04/10/09 15:38

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

Print Date: 04/16/09 15:19 438864 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-016A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-18-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 14:33
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.51		0.13	0.011	mg/Kg-dry	1	04/10/09 12:57

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-017A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-19-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 17.9	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.26		0.12	0.010	mg/Kg-dry	1	04/10/09 12:59

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

Print Date: 04/16/09 15:19 438810 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-018A
Project:	Tract II	**Client Sample ID:**	*9-32-136-TP-20-0309-(0-2*
W Order:	0904022	**Collection Date:**	03/31/09 15:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.4	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.040	J	0.12	0.010	mg/Kg-dry	1	04/10/09 13:01

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

Print Date: 04/16/09 15:19 438811 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-019A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-21-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.7	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.4		0.13	0.011	mg/Kg-dry	1	04/10/09 13:03

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

Print Date: 04/16/09 15:19 438812 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-020A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-22-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 29.0	**BatchNo:** 9231/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.1		0.14	0.012	mg/Kg-dry	1	04/10/09 13:05

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

Print Date: 04/16/09 15:19 438813 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-021A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-23-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 25.4	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.11	J	0.13	0.011	mg/Kg-dry	1	04/10/09 13:12

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

Print Date: 04/16/09 15:19 438816 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-022A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-24-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 16:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.059	J	0.13	0.011	mg/Kg-dry	1	04/10/09 13:14

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-023A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-25-0309-(0-2***
W Order:	0904022	**Collection Date:**	03/31/09 17:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.14		0.12	0.010	mg/Kg-dry	1	04/10/09 13:16

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

Print Date: 04/16/09 15:19 438818 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-024A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-TP-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.8		0.13	0.011	mg/Kg-dry	1	04/10/09 13:23

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

Print Date: 04/16/09 15:19 438821 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-026A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-01-SS-01-03***
W Order:	0904022	**Collection Date:**	03/30/09 11:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.9	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.63		0.12	0.010	mg/Kg-dry	1	04/10/09 13:25

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

Print Date: 04/16/09 15:19 438822 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-027A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-02-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 16.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.10	J	0.12	0.010	mg/Kg-dry	1	04/10/09 13:27

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

Print Date: 04/16/09 15:19 438823 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-028A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-03-0309***
W Order:	0904022	**Collection Date:**	03/30/09 11:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.33		0.12	0.010	mg/Kg-dry	1	04/10/09 13:29

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-029A
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-04-0309*
W Order:	0904022	**Collection Date:**	03/30/09 11:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 16.5	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.19		0.12	0.010	mg/Kg-dry	1	04/10/09 13:32

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

Print Date: 04/16/09 15:19 438825 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-030A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-05-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.013	J	0.12	0.0097	mg/Kg-dry	1	04/10/09 13:34

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

Print Date: 04/16/09 15:19 438826 **Project Supervisor:** Anthony Crescenzi

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-031A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-06-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100 **Sample Size:** 0.3 g	**PrepDate:**	04/09/09 0:00
ColumnID:	**%Moisture:** 13.3	**BatchNo:**	9232/R16958
Revision:	04/16/09 15:12 **TestCode:** HG7471S	**FileID:**	1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.013	J	0.12	0.0096	mg/Kg-dry	1	04/10/09 13:36

Qualifiers:

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

Print Date: 04/16/09 15:19 438827 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-032A
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-07-0309*
W Order:	0904022	**Collection Date:**	03/31/09 16:25
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.35		0.13	0.011	mg/Kg-dry	1	04/10/09 13:38

Qualifiers:

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

Print Date: 04/16/09 15:19 438828 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-033A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-08-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:35
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.5	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.10	J	0.13	0.011	mg/Kg-dry	1	04/10/09 13:49

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

Print Date: 04/16/09 15:19 438833 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-034A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-09-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.3		0.12	0.0097	mg/Kg-dry	1	04/10/09 13:51

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

Print Date: 04/16/09 15:19 438834 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-035A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-10-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	16	E	0.13	0.011	mg/Kg-dry	1	04/10/09 13:53

Qualifiers:

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

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Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-035ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-10-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	280		130	11	mg/Kg-dry	1000	04/10/09 16:17

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

Print Date: 04/16/09 15:19 438875 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-036A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-11-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	13	E	0.12	0.010	mg/Kg-dry	1	04/10/09 13:55

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

Print Date: 04/16/09 15:19 438836 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-036ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-11-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	38		6.1	0.51	mg/Kg-dry	50	04/10/09 15:51

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

Print Date: 04/16/09 15:19 438869 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-037A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-12-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 22.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	12	E	0.13	0.011	mg/Kg-dry	1	04/10/09 13:58

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

Print Date: 04/16/09 15:19 438837 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-037ADL
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-12-0309*
W Order:	0904022	**Collection Date:**	03/31/09 13:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 22.1	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	23		6.4	0.54	mg/Kg-dry	50	04/10/09 15:53

Qualifiers:

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

Print Date: 04/16/09 15:19 438870 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-038A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-13-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.1	E	0.13	0.010	mg/Kg-dry	1	04/10/09 14:00

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

Print Date: 04/16/09 15:19 438838 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-038ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-13-0309***
W Order:	0904022	**Collection Date:**	03/31/09 13:40
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	2.3		0.63	0.052	mg/Kg-dry	5	04/10/09 15:55

Qualifiers:

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

Print Date: 04/16/09 15:19 438871 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-039A
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-14-0309*
W Order:	0904022	**Collection Date:**	03/31/09 13:50
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.2	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.46		0.13	0.010	mg/Kg-dry	1	04/10/09 14:02

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

Print Date: 04/16/09 15:19 438839 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-040A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-15-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 14.3	**BatchNo:** 9232/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.65		0.12	0.0097	mg/Kg-dry	1	04/10/09 14:04

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

Print Date: 04/16/09 15:19 438840 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-041A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-16-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:10
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 18.3	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.35		0.12	0.010	mg/Kg-dry	1	04/10/09 14:15

Qualifiers:

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

Print Date: 04/16/09 15:19 438845 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-042A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-17-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 19.3	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.038	J	0.12	0.010	mg/Kg-dry	1	04/10/09 14:17

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

Print Date: 04/16/09 15:19 438846 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-043A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-18-0309***
W Order:	0904022	**Collection Date:**	03/31/09 14:30
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 15.0	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.047	J	0.12	0.0098	mg/Kg-dry	1	04/10/09 14:19

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

Print Date: 04/16/09 15:19 438847 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-044A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-19-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:20
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 23.4	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.28		0.13	0.011	mg/Kg-dry	1	04/10/09 14:21

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

Print Date: 04/16/09 15:19 438848 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-045A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-20-0309***
W Order:	0904022	**Collection Date:**	03/31/09 16:15
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 20.8	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.38		0.13	0.011	mg/Kg-dry	1	04/10/09 14:28

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

Print Date: 04/16/09 15:19 438851 **Project Supervisor:** Anthony Crescenzi

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East Syracuse, NY 13057 (315) 437-0200

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	0904022-046A
Project:	Tract II	**Client Sample ID:**	*9-32-136-SS-21-0309*
W Order:	0904022	**Collection Date:**	03/31/09 16:11
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 24.1	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	1.4		0.13	0.011	mg/Kg-dry	1	04/10/09 14:30

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

Print Date: 04/16/09 15:19 438852 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-047A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-22-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 31.0	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	9.6	E	0.14	0.012	mg/Kg-dry	1	04/10/09 14:32

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

Print Date: 04/16/09 15:19 438853 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-047ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-22-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:45
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 31.0	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	13		2.9	0.24	mg/Kg-dry	20	04/10/09 16:02

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

Print Date: 04/16/09 15:19 438874 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-048A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-23-0309***
W Order:	0904022	**Collection Date:**	03/31/09 15:55
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 39.2	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	0.32		0.16	0.014	mg/Kg-dry	1	04/10/09 14:34

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

Print Date: 04/16/09 15:19 438854 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-049A**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-SAMP-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	16	E	0.13	0.011	mg/Kg-dry	1	04/10/09 14:40

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

Print Date: 04/16/09 15:19 438857 **Project Supervisor:** Anthony Crescenzi

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

Analytical Results

StateCertNo: 10155

CLIENT:	EA Engineering Science and Technology	**Lab ID:**	**0904022-049ADL**
Project:	Tract II	**Client Sample ID:**	***9-32-136-SS-DUP-0309***
W Order:	0904022	**Collection Date:**	03/31/09 0:00
Matrix:	SOIL	**Date Received:**	04/03/09 10:30
Inst. ID:	FIMS 100	**Sample Size:** 0.3 g	**PrepDate:** 04/09/09 0:00
ColumnID:		**%Moisture:** 21.4	**BatchNo:** 9233/R16958
Revision:	04/16/09 15:12	**TestCode:** HG7471S	**FileID:** 1-DL-
Col Type:			

Analyte	Result	Qual	PQL	MDL	Units	DF	Date Analyzed
MERCURY					**SW7471A**		**(SW7471A)**
Mercury	240		130	11	mg/Kg-dry	1000	04/10/09 16:20

Qualifiers:

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

QC Summary

Life Science Laboratories, Inc.

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

ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **ICV**	SampType: **ICV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo:	**16958**
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo:	**438783**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00388	0.00020	0.004	0	97	90	110				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **ICB**	SampType: **ICB**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **16958**						
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo: **438784**						
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV1**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:			RunNo:	**16958**	
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**			SeqNo:	**438795**	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00210	0.00020	0.002	0	105	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB1**	SampType: **CCB**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:			RunNo: **16958**						
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**			SeqNo: **438796**						
Instrument:	ColumnID:												

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV2**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:			RunNo:	**16958**	
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**			SeqNo:	**438807**	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00210	0.00020	0.002	0	105	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB2**	SampType: **CCB**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo:	**16958**
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo:	**438808**
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV3**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:			RunNo:	**16958**	
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**			SeqNo:	**438819**	
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00208	0.00020	0.002	0	104	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	CCB3	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	16958	
Client ID:	ZZZZZ	Batch ID:	R16958	Method:	SW7470A			Analysis Date:	4/10/2009		SeqNo:	438820	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **CCV4**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **16958**			
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo: **438831**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00206	0.00020	0.002	0	103	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB4** SampType: **CCB** TestCode: **HG7470W** Units: **mg/L** Prep Date: RunNo: **16958**
Client ID: **ZZZZZ** Batch ID: **R16958** Method: **SW7470A** Analysis Date: **4/10/2009** SeqNo: **438832**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV5**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **16958**			
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo: **438843**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00207	0.00020	0.002	0	103	80	120				

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB5** SampType: **CCB** TestCode: **HG7470W** Units: **mg/L** Prep Date: RunNo: **16958**
Client ID: **ZZZZZ** Batch ID: **R16958** Method: **SW7470A** Analysis Date: **4/10/2009** SeqNo: **438844**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV6**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**		Prep Date:				RunNo: **16958**			
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**			Analysis Date: **4/10/2009**				SeqNo: **438855**			
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00208	0.00020	0.002	0	104	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	CCB6	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:			RunNo:	16958	
Client ID:	ZZZZZ	Batch ID:	R16958	Method:	SW7470A			Analysis Date:	4/10/2009		SeqNo:	438856	
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

- B Analyte detected in the associated Method Blank
- ND Not Detected at the Practical Quantitation Limit (PQL)
- U Not Detected at the MDC or RL
- E Value exceeds the instrument calibration range
- R RPD exceeds accepted precision limit
- J Analyte detected below the PQL
- S Spike Recovery outside accepted recovery limits

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCV7**	SampType: **CCV**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **16958**						
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo: **438867**						
Instrument:	ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00213	0.00020	0.002	0	106	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **CCB7**	SampType: **CCB**	TestCode: **HG7470W**	Units: **mg/L**	Prep Date:		RunNo: **16958**			
Client ID: **ZZZZZ**	Batch ID: **R16958**	Method: **SW7470A**		Analysis Date: **4/10/2009**		SeqNo: **438868**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	CCV8	SampType:	CCV	TestCode:	HG7470W	Units:	mg/L	Prep Date:		RunNo:	16958		
Client ID:	ZZZZZ	Batch ID:	R16958	Method:	SW7470A			Analysis Date:	4/10/2009	SeqNo:	438877		
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00206	0.00020	0.002	0	103	80	120				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7470A

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID:	CCB8	SampType:	CCB	TestCode:	HG7470W	Units:	mg/L	Prep Date:		RunNo:	16958		
Client ID:	ZZZZZ	Batch ID:	R16958	Method:	SW7470A			Analysis Date:	4/10/2009	SeqNo:	438878		
Instrument:		ColumnID:											

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.00020									

Qualifiers:

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

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

AA CRDL Standard Source:

ICP CRDL Standard Source:

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Mercury	0.2	0.21	103.5					

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9231**	SampType: **MBLK**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**				
Client ID: **ZZZZZ**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438786**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9232**	SampType: **MBLK**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**				
Client ID: **ZZZZZ**	Batch ID: **9232**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438814**				
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **MB-9233**	SampType: **MBLK**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **ZZZZZ**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438841**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.10									

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-010AMS**	SampType: **MS**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-TP-12-0309**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438800**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.616	0.11	0.38	0.347	71	27	153				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	**0904022-010AMSD**	SampType:	**MSD**	TestCode:	**HG7471S**	Units:	**mg/Kg-dry**	Prep Date:	**4/9/2009**	RunNo:	**16958**
Client ID:	**9-32-136-TP-12-0309**	Batch ID:	**9231**	Method:	**SW7471A**		**(SW7471A)**	Analysis Date:	**4/10/2009**	SeqNo:	**438801**
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.652	0.11	0.38	0.347	80	27	153	0.616	5.8	15	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032AMS	SampType:	MS	TestCode:	HG7471S	Units:	mg/Kg-dry	Prep Date:	4/9/2009
Client ID:	9-32-136-SS-07-0309	Batch ID:	9232	Method:	SW7471A		(SW7471A)	Analysis Date:	4/10/2009
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.750	0.13	0.423	0.349	95	27	153				

Qualifiers:

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

675 : *16-Apr-09*

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032AMSD	SampType:	MSD	TestCode:	HG7471S	Units:	mg/Kg-dry	Prep Date:	4/9/2009
Client ID:	9-32-136-SS-07-0309	Batch ID:	9232	Method:	SW7471A		(SW7471A)	Analysis Date:	4/10/2009
Instrument:		ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.869	0.13	0.423	0.349	123	27	153	0.75	15	15	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-044AMS**	SampType: **MS**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-SS-19-0309**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438849**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.575	0.13	0.436	0.28	68	27	153				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-044AMSD	SampType:	MSD	TestCode:	HG7471S	Units:	mg/Kg-dry	Prep Date:	4/9/2009	RunNo:	16958
Client ID:	9-32-136-SS-19-0309	Batch ID:	9233	Method:	SW7471A		(SW7471A)	Analysis Date:	4/10/2009	SeqNo:	438850
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.714	0.13	0.436	0.28	100	27	153	0.575	21	15	R

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9231**	SampType: **LCS**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**
Client ID: **ZZZZZ**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438787**
Instrument:	ColumnID:				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.821	0.10	0.835	0	98	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9232**	SampType: **LCS**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**	RunNo: **16958**
Client ID: **ZZZZZ**	Batch ID: **9232**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**	SeqNo: **438815**
Instrument:	ColumnID:				

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.836	0.10	0.835	0	100	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **LCS-9233**	SampType: **LCS**	TestCode: **HG7471S**	Units: **mg/Kg**	Prep Date: **4/9/2009**		RunNo: **16958**	
Client ID: **ZZZZZ**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438842**	
Instrument:	ColumnID:						

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.823	0.10	0.835	0	99	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **0904022-004A**	SampType: **SD**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-TP-06-0309**	Batch ID: **9231**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438858**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%D	RPDLimit	Qual
Mercury	0.957	0.58						0.957	0	10	

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-032A	SampType:	SD	TestCode:	HG7471S	Units:	mg/Kg-dry	Prep Date:	4/9/2009	RunNo:	16958
Client ID:	9-32-136-SS-07-0309	Batch ID:	9232	Method:	SW7471A	(SW7471A)		Analysis Date:	4/10/2009	SeqNo:	438865
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%D	RPDLimit	Qual
Mercury	0.357	0.63						0.349	2.3	10	J

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-044A**	SampType: **SD**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**			
Client ID: **9-32-136-SS-19-0309**	Batch ID: **9233**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438872**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%D	RPDLimit	Qual
Mercury	0.279	0.65						0.28	0	10	J

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID:	0904022-004A	SampType:	PDS	TestCode:	HG7471S	Units:	mg/Kg-dry	Prep Date:	4/9/2009	RunNo:	16958
Client ID:	9-32-136-TP-06-0309	Batch ID:	9231	Method:	SW7471A	(SW7471A)		Analysis Date:	4/10/2009	SeqNo:	438859
Instrument:		ColumnID:									

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	1.28	0.12	0.388	0.957	82	85	115				S

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-032A**	SampType: **PDS**	TestCode: **HG7471S**	Units: **mg/Kg-dry**	Prep Date: **4/9/2009**		RunNo: **16958**		
Client ID: **9-32-136-SS-07-0309**	Batch ID: **9232**	Method: **SW7471A**	**(SW7471A)**	Analysis Date: **4/10/2009**		SeqNo: **438866**		
Instrument:	ColumnID:							

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.771	0.13	0.423	0.349	100	85	115				

Qualifiers:

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

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ANALYTICAL QC SUMMARY REPORT

Method: SW7471A

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **0904022-044A** SampType: **PDS** TestCode: **HG7471S** Units: **mg/Kg-dry** Prep Date: **4/9/2009** RunNo: **16958**

Client ID: **9-32-136-SS-19-0309** Batch ID: **9233** Method: **SW7471A** **(SW7471A)** Analysis Date: **4/10/2009** SeqNo: **438873**

Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.672	0.13	0.436	0.28	90	85	115				

Qualifiers:

B Analyte detected in the associated Method Blank

ND Not Detected at the Practical Quantitation Limit (PQL)

U Not Detected at the MDC or RL

E Value exceeds the instrument calibration range

R RPD exceeds accepted precision limit

J Analyte detected below the PQL

S Spike Recovery outside accepted recovery limits

METALS MDL Verification Summary

Instrument ID(s): FIMS-100									Verification Date: 10/29/2008								
Analytical Method	Matrix	Analyte	Date of Init MDL	Init MDL (mg/Kg)	RL (mg/Kg)	MDL Ver Conc. #1	MDL Ver Result#1	MDL Ver %Rec	Is Rec 60-140%	Is MDLV 1-3xMDL?	Does MDL Verify?	If 'no' use MDLV#1?	MDL Ver Conc. #2	MDL Ver Result#2	New MDLV %Rec	New LOD mg/Kg	Is New LOD < .5*LOQ?
7471A	Soil	Mercury	01/03/06	0.00337	0.100	0.00835	0.00897	107%	yes	yes	yes					0.00835	yes
245.5	Soil	Mercury	01/03/06	0.00337	0.100	0.00835	0.00897	107%	yes	yes	yes					0.00835	yes

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

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

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

METALS MDL Verification Summary

Instrument ID(s): FIMS-100																	Verification Date: 10/29/2008
Analytical Method	Matrix	Analyte	Date of Init MDL	Init MDL (ug/L)	RL (ug/L)	MDL Ver Conc. #1	MDL Ver Result#1	MDL Ver %Rec	Is Rec 60-140%	Is MDLV 1-3xMDL?	Does MDL Verify?	If 'no' use MDLV#1?	MDL Ver Conc. #2	MDL Ver Result#2	New MDLV %Rec	New LOD ug/L	Is New LOD < .5*LOQ?
7470A	Water	Mercury	09/13/05	0.0260	0.200	0.050	0.0486	97%	yes	yes	yes					0.050	yes
245.1	Water	Mercury	09/13/05	0.0260	0.200	0.050	0.0486	97%	yes	yes	yes					0.050	yes

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

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

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

13
PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
9-32-136-TP-01	04/09/2009	0.30	50
9-32-136-TP-02	04/09/2009	0.30	50
9-32-136-TP-05	04/09/2009	0.30	50
9-32-136-TP-06	04/09/2009	0.30	50
9-32-136-TP-07	04/09/2009	0.30	50
9-32-136-TP-08	04/09/2009	0.30	50
9-32-136-TP-09	04/09/2009	0.30	50
9-32-136-TP-10	04/09/2009	0.30	50
9-32-136-TP-11	04/09/2009	0.30	50
9-32-136-TP-12	04/09/2009	0.30	50
9-32-136-TP-12	04/09/2009	0.30	50
9-32-136-TP-12	04/09/2009	0.30	50
9-32-136-TP-13	04/09/2009	0.30	50
9-32-136-TP-14	04/09/2009	0.30	50
9-32-136-TP-15	04/09/2009	0.30	50
9-32-136-TP-16	04/09/2009	0.30	50
9-32-136-TP-17	04/09/2009	0.30	50
9-32-136-TP-18	04/09/2009	0.30	50
9-32-136-TP-19	04/09/2009	0.30	50
9-32-136-TP-20	04/09/2009	0.30	50
9-32-136-TP-21	04/09/2009	0.30	50
9-32-136-TP-22	04/09/2009	0.30	50
LCS-9231	04/09/2009	0.30	50
MB-9231	04/09/2009	0.30	50

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PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
9-32-136-SS-01	04/09/2009	0.30	50
9-32-136-SS-02	04/09/2009	0.30	50
9-32-136-SS-03	04/09/2009	0.30	50
9-32-136-SS-04	04/09/2009	0.30	50
9-32-136-SS-05	04/09/2009	0.30	50
9-32-136-SS-06	04/09/2009	0.30	50
9-32-136-SS-07	04/09/2009	0.30	50
9-32-136-SS-07	04/09/2009	0.30	50
9-32-136-SS-07	04/09/2009	0.30	50
9-32-136-SS-08	04/09/2009	0.30	50
9-32-136-SS-09	04/09/2009	0.30	50
9-32-136-SS-10	04/09/2009	0.30	50
9-32-136-SS-11	04/09/2009	0.30	50
9-32-136-SS-12	04/09/2009	0.30	50
9-32-136-SS-13	04/09/2009	0.30	50
9-32-136-SS-14	04/09/2009	0.30	50
9-32-136-SS-15	04/09/2009	0.30	50
9-32-136-TP-23	04/09/2009	0.30	50
9-32-136-TP-24	04/09/2009	0.30	50
9-32-136-TP-25	04/09/2009	0.30	50
9-32-136-TP-DU	04/09/2009	0.30	50
LCS-9232	04/09/2009	0.30	50
MB-9232	04/09/2009	0.30	50

13
PREPARATION LOG

Lab Name: Life Science Laboratories, Inc. Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Method: AV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
9-32-136-SS-16	04/09/2009	0.30	50
9-32-136-SS-17	04/09/2009	0.30	50
9-32-136-SS-18	04/09/2009	0.30	50
9-32-136-SS-19	04/09/2009	0.30	50
9-32-136-SS-19	04/09/2009	0.30	50
9-32-136-SS-19	04/09/2009	0.30	50
9-32-136-SS-20	04/09/2009	0.30	50
9-32-136-SS-21	04/09/2009	0.30	50
9-32-136-SS-22	04/09/2009	0.30	50
9-32-136-SS-23	04/09/2009	0.30	50
9-32-136-SS-DU	04/09/2009	0.30	50
LCS-9233	04/09/2009	0.30	50
MB-9233	04/09/2009	0.30	50

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ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: FIMS 100 Method: AV

Start Date: 04/10/2009 End Date: 04/10/2009

EPA Sample No.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	1039																X								
S0.2	1.00	1041																X								
S0.5	1.00	1043																X								
S1.0	1.00	1045																X								
S2.0	1.00	1047																X								
S5.0	1.00	1049																X								
S10.0	1.00	1052																X								
ICV	1.00	1200																X								
ICB	1.00	1202																X								
CRA	1.00	1205																X								
MB-9231	1.00	1207																X								
LCS-9231	1.00	1209																X								
0309-(0-2)	1.00	1211																X								
0309-(0-2)	1.00	1213																X								
0309-(0-2)	1.00	1216																X								
0309-(0-2)	1.00	1218																X								
0309-(0-2)	1.00	1220																X								
0309-(0-2)	1.00	1222																X								
CCV1	1.00	1226																X								
CCB1	1.00	1229																X								
0309-(0-2)	1.00	1233																X								
0309-(0-2)	1.00	1235																X								
309-(0-2)S	1.00	1237																X								
09-(0-2)SD	1.00	1239																X								
0309-(0-2)	1.00	1244																X								
0309-(0-2)	1.00	1246																X								
CCV2	1.00	1253																X								
CCB2	1.00	1255																X								
0309-(0-2)	1.00	1257																X								
0309-(0-2)	1.00	1259																X								
0309-(0-2)	1.00	1301																X								
0309-(0-2)	1.00	1303																X								
0309-(0-2)	1.00	1305																X								
MB-9232	1.00	1308																X								
LCS-9232	1.00	1310																X								

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: FIMS 100 Method: AV

Start Date: 04/10/2009 End Date: 04/10/2009

EPA Sample No.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
0309-(0-2)	1.00	1312																X									
0309-(0-2)	1.00	1314																X									
0309-(0-2)	1.00	1316																X									
CCV3	1.00	1319																X									
CCB3	1.00	1321																X									
P-DUP-0309	1.00	1323																X									
SS-01-0309	1.00	1325																X									
SS-02-0309	1.00	1327																X									
SS-03-0309	1.00	1329																X									
SS-04-0309	1.00	1332																X									
SS-05-0309	1.00	1334																X									
SS-06-0309	1.00	1336																X									
SS-07-0309	1.00	1338																X									
S-07-0309S	1.00	1340																X									
-07-0309SD	1.00	1342																X									
CCV4	1.00	1344																X									
CCB4	1.00	1347																X									
SS-08-0309	1.00	1349																X									
SS-09-0309	1.00	1351																X									
SS-14-0309	1.00	1402																X									
SS-15-0309	1.00	1404																X									
MB-9233	1.00	1406																X									
LCS-9233	1.00	1408																X									
CCV5	1.00	1410																X									
CCB5	1.00	1412																X									
SS-16-0309	1.00	1415																X									
SS-17-0309	1.00	1417																X									
SS-18-0309	1.00	1419																X									
SS-19-0309	1.00	1421																X									
S-19-0309S	1.00	1423																X									
-19-0309SD	1.00	1426																X									
SS-20-0309	1.00	1428																X									
SS-21-0309	1.00	1430																X									
SS-23-0309	1.00	1434																X									
CCV6	1.00	1436																X									

14
ANALYSIS RUN LOG

Lab Name: Life Science Laboratories, Inc Contract:

Lab Code: LSLB Case No. SAS No.: SDG No.: 0904022

Instrument ID Number: FIMS 100 Method: AV

Start Date: 04/10/2009 End Date: 04/10/2009

EPA Sample No.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CO	CR	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB6	1.00	1438																X									
309-(0-2)L	5.00	1525																X									
309-(0-2)A	1.00	1528																X									
0309-(0-2)	20.00	1530																X									
0309-(0-2)	10.00	1532																X									
0309-(0-2)	10.00	1534																X									
0309-(0-2)	20.00	1536																X									
0309-(0-2)	10.00	1538																X									
S-07-0309L	5.00	1541																X									
S-07-0309A	1.00	1543																X									
CCV7	1.00	1545																X									
CCB7	1.00	1547																X									
SS-11-0309	50.00	1551																X									
SS-12-0309	50.00	1553																X									
SS-13-0309	5.00	1555																X									
S-19-0309L	5.00	1558																X									
S-19-0309A	1.00	1600																X									
SS-22-0309	20.00	1602																X									
SS-10-0309	1000.00	1617																X									
S-DUP-0309	1000.00	1620																X									
CCV8	1.00	1622																X									
CCB8	1.00	1624																X									

Raw Data

Life Science Laboratories, Inc. **Mercury Run Log**

Method: 245.1 / 245.5 / 7470A / 7471A / CLP

Lab ID	SampType		Date	Time	Conc.	Units	Dilution	RawConc.	Comments
Blank	ICAL	Hg	04/10/2009	10:39:04	0	µg/L	1	0	
0.2 ppb	ICAL	Hg	04/10/2009	10:41:13	0	µg/L	1	0	
0.5 ppb	ICAL	Hg	04/10/2009	10:43:23	0	µg/L	1	0	
1.0 ppb	ICAL	Hg	04/10/2009	10:45:33	0	µg/L	1	0	
2.0 ppb	ICAL	Hg	04/10/2009	10:47:46	0	µg/L	1	0	
5.0 ppb	ICAL	Hg	04/10/2009	10:49:58	0	µg/L	1	0	
10.0 ppb	ICAL	Hg	04/10/2009	10:52:12	0	µg/L	1	0	
ICV	ICV	Hg	04/10/2009	12:00:50	3.881507	µg/L	1	3.881507	
ICB	ICB	Hg	04/10/2009	12:02:58	-0.00115	µg/L	1	-0.00115	
CRA	CRA	Hg	04/10/2009	12:05:07	0.207034	µg/L	1	0.207034	
MB-9231	MBLK	Hg	04/10/2009	12:07:17	-0.00022	µg/L	1	-0.00022	
LCS-9231	LCS	Hg	04/10/2009	12:09:28	4.927925	µg/L	1	4.927925	
0904022-001A		Hg	04/10/2009	12:11:40	1.312601	µg/L	1	1.312601	
0904022-002A		Hg	04/10/2009	12:13:54	1.279686	µg/L	1	1.279686	
0904022-003A		Hg	04/10/2009	12:16:08	2.66537	µg/L	1	2.66537	
0904022-004A		Hg	04/10/2009	12:18:19	4.944315	µg/L	1	4.944315	
0904022-005A		Hg	04/10/2009	12:20:26	6.106803	µg/L	1	6.106803	
0904022-006A		Hg	04/10/2009	12:22:34	3.559055	µg/L	1	3.559055	
0904022-007A		Hg	04/10/2009	12:24:43	30.64781	µg/L	1	30.64781	over LR, D/RA
CCV1	CCV	Hg	04/10/2009	12:26:52	2.099763	µg/L	1	2.099763	
CCB1	CCB	Hg	04/10/2009	12:29:01	3.47E-05	µg/L	1	3.47E-05	
0904022-008A		Hg	04/10/2009	12:31:10	11.92361	µg/L	1	11.92361	over LR, D/RA
0904022-009A		Hg	04/10/2009	12:33:20	8.397301	µg/L	1	8.397301	
0904022-010A		Hg	04/10/2009	12:35:33	1.831207	µg/L	1	1.831207	
0904022-010AMS	MS	Hg	04/10/2009	12:37:44	3.246565	µg/L	1	3.246565	
0904022-010AMSD	MSD	Hg	04/10/2009	12:39:55	3.440597	µg/L	1	3.440597	
0904022-011A		Hg	04/10/2009	12:42:09	15.3175	µg/L	1	15.3175	over LR, D/RA
0904022-012A		Hg	04/10/2009	12:44:21	2.199132	µg/L	1	2.199132	
0904022-013A		Hg	04/10/2009	12:46:34	0.11155	µg/L	1	0.11155	
0904022-014A		Hg	04/10/2009	12:48:48	25.982	µg/L	1	25.982	over LR, D/RA
0904022-015A		Hg	04/10/2009	12:50:59	18.18581	µg/L	1	18.18581	↓
CCV2	CCV	Hg	04/10/2009	12:53:05	2.098276	µg/L	1	2.098276	
CCB2	CCB	Hg	04/10/2009	12:55:12	-3.6E-05	µg/L	1	-3.6E-05	
0904022-016A		Hg	04/10/2009	12:57:20	2.338601	µg/L	1	2.338601	
0904022-017A		Hg	04/10/2009	12:59:28	1.277196	µg/L	1	1.277196	
0904022-018A		Hg	04/10/2009	13:01:37	0.197008	µg/L	1	0.197008	
0904022-019A		Hg	04/10/2009	13:03:46	6.601876	µg/L	1	6.601876	
0904022-020A		Hg	04/10/2009	13:05:55	4.564343	µg/L	1	4.564343	
MB-9232	MBLK	Hg	04/10/2009	13:08:05	-0.00392	µg/L	1	-0.00392	
LCS-9232	LCS	Hg	04/10/2009	13:10:16	5.013869	µg/L	1	5.013869	
0904022-021A		Hg	04/10/2009	13:12:27	0.470733	µg/L	1	0.470733	
0904022-022A		Hg	04/10/2009	13:14:39	0.280373	µg/L	1	0.280373	
0904022-023A		Hg	04/10/2009	13:16:50	0.696965	µg/L	1	0.696965	
CCV3	CCV	Hg	04/10/2009	13:19:03	2.083258	µg/L	1	2.083258	
CCB3	CCB	Hg	04/10/2009	13:21:16	-0.00103	µg/L	1	-0.00103	
0904022-024A		Hg	04/10/2009	13:23:30	8.822137	µg/L	1	8.822137	
0904022-026A		Hg	04/10/2009	13:25:40	3.01599	µg/L	1	3.01599	
0904022-027A		Hg	04/10/2009	13:27:47	0.506989	µg/L	1	0.506989	
0904022-028A		Hg	04/10/2009	13:29:55	1.628331	µg/L	1	1.628331	
0904022-029A		Hg	04/10/2009	13:32:02	0.968577	µg/L	1	0.968577	
0904022-030A		Hg	04/10/2009	13:34:09	0.066258	µg/L	1	0.066258	

Analyst: Cang Tran

Date: 4/13/09

Reviewer: [signature]

Date: 4-16-09

Life Science Laboratories, Inc. **Mercury Run Log**

Method: 245.1 / 245.5 / 7470A / 7471A / CLP

Lab ID	SampType		Date	Time	Conc.	Units	Dilution	RawConc.	Comments
0904022-031A		Hg	04/10/2009	13:36:17	0.066962	µg/L	1	0.066962	
0904022-032A		Hg	04/10/2009	13:38:26	1.65204	µg/L	1	1.65204	
0904022-032AMS	MS	Hg	04/10/2009	13:40:35	3.549694	µg/L	1	3.549694	
0904022-032AMSD	MSD	Hg	04/10/2009	13:42:45	4.113892	µg/L	1	4.113892	
CCV4	CCV	Hg	04/10/2009	13:44:56	2.057269	µg/L	1	2.057269	
CCB4	CCB	Hg	04/10/2009	13:47:07	-0.00216	µg/L	1	-0.00216	
0904022-033A		Hg	04/10/2009	13:49:18	0.493105	µg/L	1	0.493105	
0904022-034A		Hg	04/10/2009	13:51:29	6.54915	µg/L	1	6.54915	
0904022-035A		Hg	04/10/2009	13:53:40	75.65277	µg/L	1	75.65277	over LR, D/RA
0904022-036A		Hg	04/10/2009	13:55:53	63.17896	µg/L	1	63.17896	
0904022-037A		Hg	04/10/2009	13:58:03	54.17784	µg/L	1	54.17784	
0904022-038A		Hg	04/10/2009	14:00:07	10.17629	µg/L	1	10.17629	
0904022-039A		Hg	04/10/2009	14:02:15	2.179667	µg/L	1	2.179667	
0904022-040A		Hg	04/10/2009	14:04:22	3.330788	µg/L	1	3.330788	
MB-9233	MBLK	Hg	04/10/2009	14:06:29	0.017351	µg/L	1	0.017351	
LCS-9233	LCS	Hg	04/10/2009	14:08:37	4.939923	µg/L	1	4.939923	
CCV5	CCV	Hg	04/10/2009	14:10:47	2.068242	µg/L	1	2.068242	
CCB5	CCB	Hg	04/10/2009	14:12:56	0.008556	µg/L	1	0.008556	
0904022-041A		Hg	04/10/2009	14:15:06	1.720001	µg/L	1	1.720001	
0904022-042A		Hg	04/10/2009	14:17:15	0.186343	µg/L	1	0.186343	
0904022-043A		Hg	04/10/2009	14:19:26	0.241898	µg/L	1	0.241898	
0904022-044A		Hg	04/10/2009	14:21:38	1.284713	µg/L	1	1.284713	
0904022-044AMS	MS	Hg	04/10/2009	14:23:49	2.644595	µg/L	1	2.644595	
0904022-044AMSD	MSD	Hg	04/10/2009	14:26:01	3.279654	µg/L	1	3.279654	
0904022-045A		Hg	04/10/2009	14:28:14	1.816407	µg/L	1	1.816407	
0904022-046A		Hg	04/10/2009	14:30:23	6.382824	µg/L	1	6.382824	
0904022-047A		Hg	04/10/2009	14:32:29	39.61126	µg/L	1	39.61126	over LR, D/RA
0904022-048A		Hg	04/10/2009	14:34:36	1.165766	µg/L	1	1.165766	
CCV6	CCV	Hg	04/10/2009	14:36:43	2.082414	µg/L	1	2.082414	
CCB6	CCB	Hg	04/10/2009	14:38:50	0.004714	µg/L	1	0.004714	
0904022-049A		Hg	04/10/2009	14:40:57	74.66195	µg/L	1	74.66195	over LR, D/RA
0904022-004A	SD	Hg	04/10/2009	15:25:57	4.942384	µg/L	5	0.988477	Dilution Test
0904022-004A	PDS	Hg	04/10/2009	15:28:06	6.593149	µg/L	1	6.593149	Recovery Test
0904022-007A		Hg	04/10/2009	15:30:15	37.20994	µg/L	20	1.860497	(SA = 2 µg/L)
0904022-008A		Hg	04/10/2009	15:32:24	12.03019	µg/L	10	1.203019	
0904022-011A		Hg	04/10/2009	15:34:33	16.15889	µg/L	10	1.615889	
0904022-014A		Hg	04/10/2009	15:36:44	29.71815	µg/L	20	1.485908	
0904022-015A		Hg	04/10/2009	15:38:56	19.85835	µg/L	10	1.985835	
0904022-032A	SD	Hg	04/10/2009	15:41:07	1.689858	µg/L	5	0.337972	Dilution Test
0904022-032A	PDS	Hg	04/10/2009	15:43:15	3.652034	µg/L	1	3.652034	Recovery Test
CCV7	CCV	Hg	04/10/2009	15:45:20	2.128477	µg/L	1	2.128477	(SA = 2 µg/L)
CCB7	CCB	Hg	04/10/2009	15:47:26	0.005396	µg/L	1	0.005396	
0904022-035A		Hg	04/10/2009	15:49:33	1143.952	µg/L	50	22.87904	over LR, D/RA
0904022-036A		Hg	04/10/2009	15:51:39	187.7215	µg/L	50	3.75443	
0904022-037A		Hg	04/10/2009	15:53:46	107.7755	µg/L	50	2.15551	
0904022-038A		Hg	04/10/2009	15:55:54	10.84793	µg/L	5	2.169586	
0904022-044A	SD	Hg	04/10/2009	15:58:02	1.284441	µg/L	5	0.256888	Dilution Test
0904022-044A	PDS	Hg	04/10/2009	16:00:14	3.089931	µg/L	1	3.089931	Recovery Test
0904022-047A		Hg	04/10/2009	16:02:24	55.72776	µg/L	20	2.786388	(SA = 2 µg/L)
0904022-049A		Hg	04/10/2009	16:13:44	988.8386	µg/L	50	19.77677	over LR, D/RA
0904022-035A		Hg	04/10/2009	16:17:59	1307.481	µg/L	1000	1.307481	
0904022049A		Hg	04/10/2009	16:20:09	1146.499	µg/L	1000	1.146499	
CCV8	CCV	Hg	04/10/2009	16:22:20	2.063624	µg/L	1	2.063624	
CCB8	CCB	Hg	04/10/2009	16:24:32	0.003552	µg/L	1	0.003552	

Analyst: Cang Tran

Date: 4/13/09

Reviewer: [signature]

Date: 4-16-09

Method Name: Hg10
Method Description: Hg with SnCl
Element: Hg

Date: 04/10/2009
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: SAMPLE-W.SIF Results Data Set Name: HG041009

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 04/10/2009
Sample ID: Blank,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0005	0.0032	0.0005	10:38:25	No
2			0.0005	0.0032	0.0005	10:39:04	No
Mean:			0.0005				
SD :			0.0000				
%RSD:			0.4058				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 04/10/2009
Sample ID: 0.2 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0040	0.0251	0.0045	10:40:35	No
2			0.0040	0.0254	0.0045	10:41:13	No
Mean:			0.0040				
SD :			0.0000				
%RSD:			0.6868				

[Hg] Standard number 1 applied. [0.200]
Correlation Coefficient: 1.00000 Slope: 0.02002

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 04/10/2009
Sample ID: 0.5 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0095	0.0551	0.0101	10:42:45	No
2			0.0097	0.0555	0.0102	10:43:23	No
Mean:			0.0096				
SD :			0.0001				
%RSD:			0.8414				

[Hg] Standard number 2 applied. [0.500]
Correlation Coefficient: 0.99931 Slope: 0.01932

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 04/10/2009
Sample ID: 1.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0212	0.1196	0.0217	10:44:55	No
2			0.0211	0.1180	0.0216	10:45:33	No
Mean:			0.0211				
SD :			0.0001				
%RSD:			0.2689				

[Hg] Standard number 3 applied. [1.000]
Correlation Coefficient: 0.99726 Slope: 0.02076

CT 4/10/09

699

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 04/10/2009
Sample ID: 2.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0418	0.2338	0.0423	10:47:08	No
2			0.0417	0.2300	0.0422	10:47:46	No
Mean:			0.0417				
SD :			0.0001				
%RSD:			0.2678				

[Hg] Standard number 4 applied. [2.000]
Correlation Coefficient: 0.99951 Slope: 0.02084

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 04/10/2009
Sample ID: 5.0 ppb,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1043	0.5801	0.1048	10:49:20	No
2			0.1045	0.5753	0.1050	10:49:58	No
Mean:			0.1044				
SD :			0.0002				
%RSD:			0.1564				

[Hg] Standard number 5 applied. [5.000]
Correlation Coefficient: 0.99994 Slope: 0.02087

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 04/10/2009
Sample ID: 10.0 ppb,

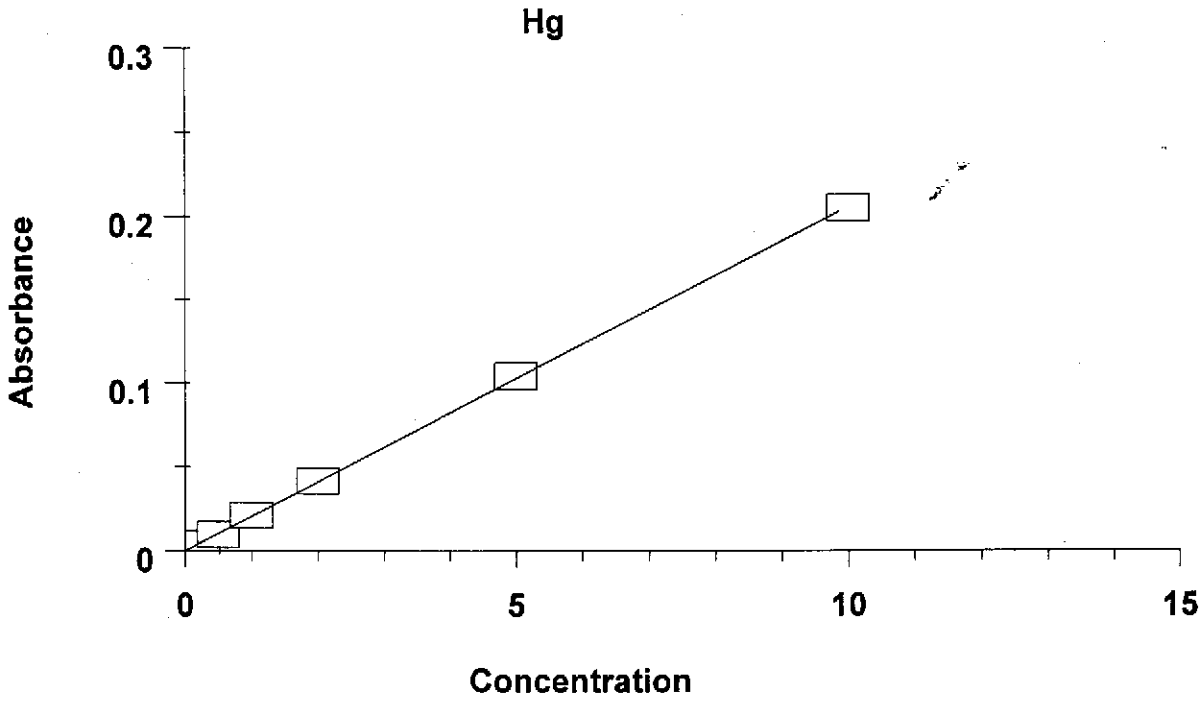
Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.2052	1.1443	0.2057	10:51:34	No
2			0.2054	1.1445	0.2060	10:52:12	No
Mean:			0.2053				
SD :			0.0002				
%RSD:							

[Hg] Standard number 6 applied. [10.00]
Correlation Coefficient: 0.99994 Slope: 0.02061

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Blank,	0.0005	---	----	----	----
0.2 ppb,	0.0040	0.200	0.194	0.0000	0.7
0.5 ppb,	0.0096	0.500	0.466	0.0001	0.8
1.0 ppb,	0.0211	1.000	1.026	0.0001	0.3
2.0 ppb,	0.0417	2.000	2.025	0.0001	0.3
5.0 ppb,	0.1044	5.000	5.065	0.0002	0.2
10.0 ppb,	0.2053	10.000	9.961	0.0002	----
Correlation Coefficient: 0.99994		Slope:	0.02061	----	

700



701

Element: Hg Seq. No.: 8 AS Loc.: 9 Date: 04/10/2009
Sample ID: ICV,ICV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.902	3.902	0.0804	0.4422	0.0809	12:00:11	No
2	3.861	3.861	0.0796	0.4381	0.0801	12:00:50	No
Mean:	3.882	3.882	0.0800				
SD :	0.0284	0.0284	0.0006				
%RSD:	0.7	0.7	0.7322				

Element: Hg Seq. No.: 9 AS Loc.: 10 Date: 04/10/2009
Sample ID: ICB,ICB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.001	-0.001	0.0000	0.0029	0.0005	12:02:20	No
2	-0.002	-0.002	0.0000	0.0026	0.0005	12:02:58	No
Mean:	-0.001	-0.001	0.0000				
SD :	0.0008	0.0008	0.0000				
%RSD:	66.1	66.1	66.1492				

Element: Hg Seq. No.: 10 AS Loc.: 11 Date: 04/10/2009
Sample ID: CRA,CRA

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.206	0.206	0.0043	0.0265	0.0048	12:04:29	No
2	0.208	0.208	0.0043	0.0266	0.0048	12:05:07	No
Mean:	0.207	0.207	0.0043				
SD :	0.0008	0.0008	0.0000				
%RSD:	0.4	0.4	0.3651				

Element: Hg Seq. No.: 11 AS Loc.: 12 Date: 04/10/2009
Sample ID: MB-9231,MBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.001	-0.001	0.0000	0.0030	0.0005	12:06:39	No
2	0.000	0.000	0.0000	0.0029	0.0005	12:07:17	No
Mean:	0.000	0.000	0.0000				
SD :	0.0007	0.0007	0.0000				
%RSD:	310.7	310.7	310.6615				

Element: Hg Seq. No.: 12 AS Loc.: 13 Date: 04/10/2009
Sample ID: LCS-9231,LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.921	4.921	0.1014	0.5608	0.1019	12:08:50	No
2	4.935	4.935	0.1017	0.5579	0.1022	12:09:28	No
Mean:	4.928	4.928	0.1016				
SD :	0.0101	0.0101	0.0002				
%RSD:	0.2	0.2	0.2050				

Element: Hg Seq. No.: 13 AS Loc.: 14 Date: 04/10/2009
Sample ID: 0904022-001A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.313	1.313	0.0271	0.1509	0.0276	12:11:02	No
2	1.312	1.312	0.0271	0.1496	0.0276	12:11:40	No
Mean:	1.313	1.313	0.0271				

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SD : 0.0002 0.0002 0.0000
%RSD:

Element: Hg Seq. No.: 14 AS Loc.: 15 Date: 04/10/2009
Sample ID: 0904022-002A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.281	1.281	0.0264	0.1475	0.0269	12:13:16	No
2	1.278	1.278	0.0263	0.1459	0.0269	12:13:54	No
Mean:	1.280	1.280	0.0264				
SD :	0.0018	0.0018	0.0000				
%RSD:	0.1	0.1	0.1421				

Element: Hg Seq. No.: 15 AS Loc.: 16 Date: 04/10/2009
Sample ID: 0904022-003A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.664	2.664	0.0549	0.3016	0.0554	12:15:30	No
2	2.667	2.667	0.0550	0.3024	0.0555	12:16:08	No
Mean:	2.665	2.665	0.0549				
SD :	0.0017	0.0017	0.0000				
%RSD:							

Element: Hg Seq. No.: 16 AS Loc.: 17 Date: 04/10/2009
Sample ID: 0904022-004A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.942	4.942	0.1019	0.5576	0.1024	12:17:41	No
2	4.946	4.946	0.1020	0.5569	0.1025	12:18:19	No
Mean:	4.944	4.944	0.1019				
SD :	0.0029	0.0029	0.0001				
%RSD:							

Element: Hg Seq. No.: 17 AS Loc.: 18 Date: 04/10/2009
Sample ID: 0904022-005A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	6.108	6.108	0.1259	0.6884	0.1264	12:19:48	No
2	6.106	6.106	0.1258	0.6838	0.1264	12:20:26	No
Mean:	6.107	6.107	0.1259				
SD :	0.0016	0.0016	0.0000				
%RSD:							

Element: Hg Seq. No.: 18 AS Loc.: 19 Date: 04/10/2009
Sample ID: 0904022-006A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.562	3.562	0.0734	0.3994	0.0739	12:21:56	No
2	3.556	3.556	0.0733	0.3981	0.0738	12:22:34	No
Mean:	3.559	3.559	0.0734				
SD :	0.0037	0.0037	0.0001				
%RSD:	0.1	0.1	0.1049				

Element: Hg Seq. No.: 19 AS Loc.: 20 Date: 04/10/2009
Sample ID: 0904022-007A,

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Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	30.65	30.65	0.6317	3.6272	0.6322	12:24:05	No
Sample absorbance is greater than that of the highest standard.							
2	30.65	30.65	0.6317	3.6101	0.6322	12:24:43	No
Sample absorbance is greater than that of the highest standard.							
Mean:	30.65	30.65	0.6317				
SD :	0.0009	0.0009	0.0000				
%RSD:							
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 20 AS Loc.: 21 Date: 04/10/2009
Sample ID: CCV1,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.107	2.107	0.0434	0.2360	0.0439	12:26:14	No
2	2.093	2.093	0.0431	0.2355	0.0436	12:26:52	No
Mean:	2.100	2.100	0.0433				
SD :	0.0101	0.0101	0.0002				
%RSD:	0.5	0.5	0.4791				

Element: Hg Seq. No.: 21 AS Loc.: 22 Date: 04/10/2009
Sample ID: CCB1,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0026	0.0005	12:28:23	No
2	0.000	0.000	0.0000	0.0025	0.0005	12:29:01	No
Mean:	0.000	0.000	0.0000				
SD :	0.0004	0.0004	0.0000				
%RSD:	1239	1239	1239.0077				

Element: Hg Seq. No.: 22 AS Loc.: 23 Date: 04/10/2009
Sample ID: 0904022-008A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	11.98	11.98	0.2470	1.3673	0.2475	12:30:32	No
Sample absorbance is greater than that of the highest standard.							
2	11.87	11.87	0.2446	1.3271	0.2451	12:31:10	No
Sample absorbance is greater than that of the highest standard.							
Mean:	11.92	11.92	0.2458				
SD :	0.0826	0.0826	0.0017				
%RSD:	0.7	0.7	0.6927				
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 23 AS Loc.: 24 Date: 04/10/2009
Sample ID: 0904022-009A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	8.397	8.397	0.1731	0.9422	0.1736	12:32:42	No
2	8.398	8.398	0.1731	0.9281	0.1736	12:33:20	No
Mean:	8.397	8.397	0.1731				
SD :	0.0008	0.0008	0.0000				
%RSD:							

Element: Hg Seq. No.: 24 AS Loc.: 25 Date: 04/10/2009
Sample ID: 0904022-010A,

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

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#	µg/L	µg/L	Signal	Area	Height		Stored
1	1.832	1.832	0.0378	0.2063	0.0383	12:34:55	No
2	1.830	1.830	0.0377	0.2026	0.0382	12:35:33	No
Mean:	1.831	1.831	0.0377				
SD :	0.0012	0.0012	0.0000				
%RSD:							

Element: Hg Seq. No.: 25 AS Loc.: 26 Date: 04/10/2009
Sample ID: 0904022-010AMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.251	3.251	0.0670	0.3602	0.0675	12:37:06	No
2	3.242	3.242	0.0668	0.3612	0.0673	12:37:44	No
Mean:	3.247	3.247	0.0669				
SD :	0.0058	0.0058	0.0001				
%RSD:	0.2	0.2	0.1787				

Element: Hg Seq. No.: 26 AS Loc.: 27 Date: 04/10/2009
Sample ID: 0904022-010AMSD,MSD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.445	3.445	0.0710	0.3861	0.0715	12:39:17	No
2	3.436	3.436	0.0708	0.3827	0.0713	12:39:55	No
Mean:	3.441	3.441	0.0709				
SD :	0.0069	0.0069	0.0001				
%RSD:	0.2	0.2	0.1993				

Element: Hg Seq. No.: 27 AS Loc.: 28 Date: 04/10/2009
Sample ID: 0904022-011A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	15.31	15.31	0.3156	1.7261	0.3161	12:41:30	No
Sample absorbance is greater than that of the highest standard.							
2	15.32	15.32	0.3159	1.7337	0.3164	12:42:09	No
Sample absorbance is greater than that of the highest standard.							
Mean:	15.32	15.32	0.3157				
SD :	0.0100	0.0100	0.0002				
%RSD:							
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 28 AS Loc.: 29 Date: 04/10/2009
Sample ID: 0904022-012A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.201	2.201	0.0454	0.2454	0.0459	12:43:43	No
2	2.198	2.198	0.0453	0.2415	0.0458	12:44:21	No
Mean:	2.199	2.199	0.0453				
SD :	0.0021	0.0021	0.0000				
%RSD:							

Element: Hg Seq. No.: 29 AS Loc.: 30 Date: 04/10/2009
Sample ID: 0904022-013A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.110	0.110	0.0023	0.0144	0.0028	12:45:56	No
2	0.114	0.114	0.0023	0.0151	0.0028	12:46:34	No
Mean:	0.112	0.112	0.0023				

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SD : 0.0028 0.0028 0.0001
%RSD: 2.5 2.5 2.5143

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Element: Hg Seq. No.: 30 AS Loc.: 31 Date: 04/10/2009
Sample ID: 0904022-014A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	25.99	25.99	0.5357	3.0007	0.5362	12:48:10	No
Sample absorbance is greater than that of the highest standard.							
2	25.97	25.97	0.5353	2.9861	0.5358	12:48:48	No
Sample absorbance is greater than that of the highest standard.							
Mean:	25.98	25.98	0.5355				
SD :	0.0145	0.0145	0.0003				
%RSD:							
Sample absorbance is greater than that of the highest standard.							

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Element: Hg Seq. No.: 31 AS Loc.: 32 Date: 04/10/2009
Sample ID: 0904022-015A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	18.21	18.21	0.3752	2.0727	0.3758	12:50:20	No
Sample absorbance is greater than that of the highest standard.							
2	18.17	18.17	0.3744	2.0426	0.3749	12:50:59	No
Sample absorbance is greater than that of the highest standard.							
Mean:	18.19	18.19	0.3748				
SD :	0.0284	0.0284	0.0006				
%RSD:	0.2	0.2	0.1560				
Sample absorbance is greater than that of the highest standard.							

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Element: Hg Seq. No.: 32 AS Loc.: 33 Date: 04/10/2009
Sample ID: CCV2,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.097	2.097	0.0432	0.2349	0.0437	12:52:27	No
2	2.099	2.099	0.0433	0.2303	0.0438	12:53:05	No
Mean:	2.098	2.098	0.0432				
SD :	0.0013	0.0013	0.0000				
%RSD:							

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Element: Hg Seq. No.: 33 AS Loc.: 34 Date: 04/10/2009
Sample ID: CCB2,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000	0.000	0.0000	0.0022	0.0005	12:54:35	No
2	0.000	0.000	0.0000	0.0023	0.0005	12:55:12	No
Mean:	0.000	0.000	0.0000				
SD :	0.0002	0.0002	0.0000				
%RSD:	600.8	600.8	600.8353				

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Element: Hg Seq. No.: 34 AS Loc.: 35 Date: 04/10/2009
Sample ID: 0904022-016A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.338	2.338	0.0482	0.2601	0.0487	12:56:42	No
2	2.339	2.339	0.0482	0.2589	0.0487	12:57:20	No
Mean:	2.339	2.339	0.0482				
SD :	0.0007	0.0007	0.0000				

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%RSD:

Element: Hg Seq. No.: 35 AS Loc.: 36 Date: 04/10/2009
Sample ID: 0904022-017A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.278	1.278	0.0263	0.1435	0.0269	12:58:51	No
2	1.276	1.276	0.0263	0.1423	0.0268	12:59:28	No
Mean:	1.277	1.277	0.0263				
SD :	0.0013	0.0013	0.0000				
%RSD:							

Element: Hg Seq. No.: 36 AS Loc.: 37 Date: 04/10/2009
Sample ID: 0904022-018A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.197	0.197	0.0041	0.0241	0.0046	01:00:59	No
2	0.197	0.197	0.0041	0.0240	0.0046	01:01:37	No
Mean:	0.197	0.197	0.0041				
SD :	0.0001	0.0001	0.0000				
%RSD:							

Element: Hg Seq. No.: 37 AS Loc.: 38 Date: 04/10/2009
Sample ID: 0904022-019A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	6.597	6.597	0.1360	0.7349	0.1365	01:03:08	No
2	6.607	6.607	0.1362	0.7303	0.1367	01:03:46	No
Mean:	6.602	6.602	0.1361				
SD :	0.0067	0.0067	0.0001				
%RSD:	0.1	0.1	0.1022				

Element: Hg Seq. No.: 38 AS Loc.: 39 Date: 04/10/2009
Sample ID: 0904022-020A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.542	4.542	0.0936	0.5068	0.0941	01:05:17	No
2	4.586	4.586	0.0945	0.5064	0.0950	01:05:55	No
Mean:	4.564	4.564	0.0941				
SD :	0.0311	0.0311	0.0006				
%RSD:	0.7	0.7	0.6812				

Element: Hg Seq. No.: 39 AS Loc.: 40 Date: 04/10/2009
Sample ID: MB-9232,MBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.005	-0.005	-0.0001	0.0019	0.0004	01:07:27	No
2	-0.003	-0.003	-0.0001	0.0023	0.0004	01:08:05	No
Mean:	-0.004	-0.004	-0.0001				
SD :	0.0009	0.0009	0.0000				
%RSD:	22.8	22.8	22.8254				

Element: Hg Seq. No.: 40 AS Loc.: 41 Date: 04/10/2009
Sample ID: LCS-9232,LCS

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

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#	µg/L	µg/L	Signal	Area	Height		Stored
1	5.009	5.009	0.1032	0.5537	0.1037	01:09:38	No
2	5.019	5.019	0.1034	0.5548	0.1040	01:10:16	No
Mean:	5.014	5.014	0.1033				
SD :	0.0073	0.0073	0.0002				
%RSD:	0.1	0.1	0.1463				

Element: Hg Seq. No.: 41 AS Loc.: 42 Date: 04/10/2009
Sample ID: 0904022-021A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.471	0.471	0.0097	0.0534	0.0102	01:11:49	No
2	0.470	0.470	0.0097	0.0535	0.0102	01:12:27	No
Mean:	0.471	0.471	0.0097				
SD :	0.0009	0.0009	0.0000				
%RSD:	0.2	0.2	0.2003				

Element: Hg Seq. No.: 42 AS Loc.: 43 Date: 04/10/2009
Sample ID: 0904022-022A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.280	0.280	0.0058	0.0325	0.0063	01:14:00	No
2	0.280	0.280	0.0058	0.0320	0.0063	01:14:39	No
Mean:	0.280	0.280	0.0058				
SD :	0.0001	0.0001	0.0000				
%RSD:							

Element: Hg Seq. No.: 43 AS Loc.: 44 Date: 04/10/2009
Sample ID: 0904022-023A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.696	0.696	0.0143	0.0791	0.0149	01:16:13	No
2	0.698	0.698	0.0144	0.0791	0.0149	01:16:50	No
Mean:	0.697	0.697	0.0144				
SD :	0.0012	0.0012	0.0000				
%RSD:	0.2	0.2	0.1718				

Element: Hg Seq. No.: 44 AS Loc.: 45 Date: 04/10/2009
Sample ID: CCV3,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.085	2.085	0.0430	0.2292	0.0435	01:18:25	No
2	2.082	2.082	0.0429	0.2285	0.0434	01:19:03	No
Mean:	2.083	2.083	0.0429				
SD :	0.0023	0.0023	0.0000				
%RSD:	0.1	0.1	0.1097				

Element: Hg Seq. No.: 45 AS Loc.: 46 Date: 04/10/2009
Sample ID: CCB3,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.001	-0.001	0.0000	0.0022	0.0005	01:20:38	No
2	-0.001	-0.001	0.0000	0.0026	0.0005	01:21:16	No
Mean:	-0.001	-0.001	0.0000				
SD :	0.0006	0.0006	0.0000				
%RSD:	54.2	54.2	54.1545				

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Element: Hg Seq. No.: 46 AS Loc.: 47 Date: 04/10/2009
Sample ID: 0904022-024A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	8.816	8.816	0.1817	0.9825	0.1822	01:22:53	No
2	8.828	8.828	0.1820	0.9805	0.1825	01:23:30	No
Mean:	8.822	8.822	0.1818				
SD :	0.0086	0.0086	0.0002				
%RSD:							

Element: Hg Seq. No.: 47 AS Loc.: 48 Date: 04/10/2009
Sample ID: 0904022-026A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.015	3.015	0.0621	0.3330	0.0627	01:25:02	No
2	3.017	3.017	0.0622	0.3327	0.0627	01:25:40	No
Mean:	3.016	3.016	0.0622				
SD :	0.0009	0.0009	0.0000				
%RSD:							

Element: Hg Seq. No.: 48 AS Loc.: 49 Date: 04/10/2009
Sample ID: 0904022-027A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.507	0.507	0.0105	0.0575	0.0110	01:27:09	No
2	0.507	0.507	0.0104	0.0571	0.0109	01:27:47	No
Mean:	0.507	0.507	0.0104				
SD :	0.0006	0.0006	0.0000				
%RSD:	0.1	0.1	0.1249				

Element: Hg Seq. No.: 49 AS Loc.: 50 Date: 04/10/2009
Sample ID: 0904022-028A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.630	1.630	0.0336	0.1805	0.0341	01:29:16	No
2	1.627	1.627	0.0335	0.1798	0.0340	01:29:55	No
Mean:	1.628	1.628	0.0336				
SD :	0.0022	0.0022	0.0000				
%RSD:	0.1	0.1	0.1326				

Element: Hg Seq. No.: 50 AS Loc.: 51 Date: 04/10/2009
Sample ID: 0904022-029A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.971	0.971	0.0200	0.1093	0.0205	01:31:24	No
2	0.966	0.966	0.0199	0.1077	0.0204	01:32:02	No
Mean:	0.969	0.969	0.0200				
SD :	0.0034	0.0034	0.0001				
%RSD:	0.3	0.3	0.3466				

Element: Hg Seq. No.: 51 AS Loc.: 52 Date: 04/10/2009
Sample ID: 0904022-030A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.065	0.065	0.0013	0.0118	0.0018	01:33:31	No

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2	0.068	0.068	0.0014	0.0122	0.0019	01:34:09	No
Mean:	0.066	0.066	0.0014				
SD :	0.0021	0.0021	0.0000				
%RSD:	3.1	3.1	3.1252				

Element: Hg Seq. No.: 52 AS Loc.: 53 Date: 04/10/2009
Sample ID: 0904022-031A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.066	0.066	0.0014	0.0118	0.0019	01:35:40	No
2	0.068	0.068	0.0014	0.0120	0.0019	01:36:17	No
Mean:	0.067	0.067	0.0014				
SD :	0.0016	0.0016	0.0000				
%RSD:	2.4	2.4	2.4350				

Element: Hg Seq. No.: 53 AS Loc.: 54 Date: 04/10/2009
Sample ID: 0904022-032A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.655	1.655	0.0341	0.1847	0.0346	01:37:49	No
2	1.649	1.649	0.0340	0.1828	0.0345	01:38:26	No
Mean:	1.652	1.652	0.0341				
SD :	0.0047	0.0047	0.0001				
%RSD:	0.3	0.3	0.2858				

Element: Hg Seq. No.: 54 AS Loc.: 55 Date: 04/10/2009
Sample ID: 0904022-032AMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.540	3.540	0.0730	0.3914	0.0735	01:39:57	No
2	3.559	3.559	0.0734	0.3908	0.0739	01:40:35	No
Mean:	3.550	3.550	0.0732				
SD :	0.0133	0.0133	0.0003				
%RSD:	0.4	0.4	0.3747				

Element: Hg Seq. No.: 55 AS Loc.: 56 Date: 04/10/2009
Sample ID: 0904022-032AMSD,MSD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.113	4.113	0.0848	0.4555	0.0853	01:42:07	No
2	4.114	4.114	0.0848	0.4518	0.0853	01:42:45	No
Mean:	4.114	4.114	0.0848				
SD :	0.0008	0.0008	0.0000				
%RSD:							

Element: Hg Seq. No.: 56 AS Loc.: 57 Date: 04/10/2009
Sample ID: CCV4,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.063	2.063	0.0425	0.2261	0.0430	01:44:18	No
2	2.052	2.052	0.0423	0.2238	0.0428	01:44:56	No
Mean:	2.057	2.057	0.0424				
SD :	0.0079	0.0079	0.0002				
%RSD:	0.4	0.4	0.3850				

Element: Hg Seq. No.: 57 AS Loc.: 58 Date: 04/10/2009

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Sample ID: CCB4,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.002	-0.002	0.0000	0.0025	0.0005	01:46:29	No
2	-0.002	-0.002	-0.0001	0.0022	0.0005	01:47:07	No
Mean:	-0.002	-0.002	0.0000				
SD :	0.0004	0.0004	0.0000				
%RSD:	19.5	19.5	19.4946				

Element: Hg Seq. No.: 58 AS Loc.: 59 Date: 04/10/2009
Sample ID: 0904022-033A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.492	0.492	0.0101	0.0566	0.0107	01:48:39	No
2	0.494	0.494	0.0102	0.0565	0.0107	01:49:18	No
Mean:	0.493	0.493	0.0102				
SD :	0.0011	0.0011	0.0000				
%RSD:	0.2	0.2	0.2252				

Element: Hg Seq. No.: 59 AS Loc.: 60 Date: 04/10/2009
Sample ID: 0904022-034A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	6.565	6.565	0.1353	0.7232	0.1358	01:50:51	No
2	6.533	6.533	0.1347	0.7202	0.1352	01:51:29	No
Mean:	6.549	6.549	0.1350				
SD :	0.0226	0.0226	0.0005				
%RSD:	0.3	0.3	0.3450				

Element: Hg Seq. No.: 60 AS Loc.: 61 Date: 04/10/2009
Sample ID: 0904022-035A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	77.31	77.31	1.5935	17.8028	1.5940	01:53:02	No
Sample absorbance is greater than that of the highest standard.							
2	73.99	73.99	1.5251	16.9779	1.5256	01:53:40	No
Sample absorbance is greater than that of the highest standard.							
Mean:	75.65	75.65	1.5593				
SD :	2.346	2.346	0.0484				
%RSD:	3.1	3.1	3.1015				
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 61 AS Loc.: 62 Date: 04/10/2009
Sample ID: 0904022-036A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	63.22	63.22	1.3031	10.0115	1.3037	01:55:15	No
Sample absorbance is greater than that of the highest standard.							
2	63.13	63.13	1.3012	10.0032	1.3018	01:55:53	No
Sample absorbance is greater than that of the highest standard.							
Mean:	63.18	63.18	1.3022				
SD :	0.0651	0.0651	0.0013				
%RSD:	0.1	0.1	0.1030				
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 62 AS Loc.: 63 Date: 04/10/2009
Sample ID: 0904022-037A,

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Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	54.26	54.26	1.1183	7.4370	1.1188	01:57:25	No
Sample absorbance is greater than that of the highest standard.							
2	54.10	54.10	1.1150	7.4160	1.1155	01:58:03	No
Sample absorbance is greater than that of the highest standard.							
Mean:	54.18	54.18	1.1167				
SD :	0.1133	0.1133	0.0023				
%RSD:	0.2	0.2	0.2092				
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 63 AS Loc.: 64 Date: 04/10/2009
Sample ID: 0904022-038A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.14	10.14	0.2090	1.1290	0.2095	01:59:30	No
2	10.21	10.21	0.2105	1.1350	0.2110	02:00:07	No
Mean:	10.18	10.18	0.2097				
SD :	0.0513	0.0513	0.0011				
%RSD:	0.5	0.5	0.5042				

Element: Hg Seq. No.: 64 AS Loc.: 65 Date: 04/10/2009
Sample ID: 0904022-039A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.176	2.176	0.0448	0.2402	0.0453	02:01:37	No
2	2.184	2.184	0.0450	0.2416	0.0455	02:02:15	No
Mean:	2.180	2.180	0.0449				
SD :	0.0058	0.0058	0.0001				
%RSD:	0.3	0.3	0.2672				

Element: Hg Seq. No.: 65 AS Loc.: 66 Date: 04/10/2009
Sample ID: 0904022-040A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.316	3.316	0.0684	0.3694	0.0689	02:03:44	No
2	3.345	3.345	0.0690	0.3728	0.0695	02:04:22	No
Mean:	3.331	3.331	0.0687				
SD :	0.0205	0.0205	0.0004				
%RSD:	0.6	0.6	0.6151				

Element: Hg Seq. No.: 66 AS Loc.: 67 Date: 04/10/2009
Sample ID: MB-9233,MBLK

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.015	0.015	0.0003	0.0044	0.0008	02:05:51	No
2	0.020	0.020	0.0004	0.0051	0.0009	02:06:29	No
Mean:	0.017	0.017	0.0004				
SD :	0.0031	0.0031	0.0001				
%RSD:	17.7	17.7	17.7077				

Element: Hg Seq. No.: 67 AS Loc.: 68 Date: 04/10/2009
Sample ID: LCS-9233,LCS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.942	4.942	0.1019	0.5442	0.1024	02:07:59	No

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2	4.938	4.938	0.1018	0.5405	0.1023	02:08:37	No
Mean:	4.940	4.940	0.1018				
SD :	0.0030	0.0030	0.0001				
%RSD:							

Element: Hg Seq. No.: 68 AS Loc.: 69 Date: 04/10/2009
Sample ID: CCV5,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.068	2.068	0.0426	0.2284	0.0431	02:10:09	No
2	2.069	2.069	0.0426	0.2278	0.0431	02:10:47	No
Mean:	2.068	2.068	0.0426				
SD :	0.0007	0.0007	0.0000				
%RSD:							

Element: Hg Seq. No.: 69 AS Loc.: 70 Date: 04/10/2009
Sample ID: CCB5,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007	0.007	0.0001	0.0035	0.0006	02:12:18	No
2	0.010	0.010	0.0002	0.0042	0.0007	02:12:56	No
Mean:	0.009	0.009	0.0002				
SD :	0.0025	0.0025	0.0001				
%RSD:	29.7	29.7	29.6890				

Element: Hg Seq. No.: 70 AS Loc.: 71 Date: 04/10/2009
Sample ID: 0904022-041A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.724	1.724	0.0355	0.1916	0.0360	02:14:27	No
2	1.716	1.716	0.0354	0.1900	0.0359	02:15:06	No
Mean:	1.720	1.720	0.0355				
SD :	0.0059	0.0059	0.0001				
%RSD:	0.3	0.3	0.3417				

Element: Hg Seq. No.: 71 AS Loc.: 72 Date: 04/10/2009
Sample ID: 0904022-042A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.185	0.185	0.0038	0.0229	0.0043	02:16:37	No
2	0.188	0.188	0.0039	0.0237	0.0044	02:17:15	No
Mean:	0.186	0.186	0.0038				
SD :	0.0023	0.0023	0.0000				
%RSD:	1.2	1.2	1.2080				

Element: Hg Seq. No.: 72 AS Loc.: 73 Date: 04/10/2009
Sample ID: 0904022-043A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.241	0.241	0.0050	0.0290	0.0055	02:18:48	No
2	0.243	0.243	0.0050	0.0290	0.0055	02:19:26	No
Mean:	0.242	0.242	0.0050				
SD :	0.0010	0.0010	0.0000				
%RSD:	0.4	0.4	0.3956				

Element: Hg Seq. No.: 73 AS Loc.: 74 Date: 04/10/2009

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Sample ID: 0904022-044A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.288	1.288	0.0265	0.1415	0.0270	02:21:00	No
2	1.282	1.282	0.0264	0.1415	0.0269	02:21:38	No
Mean:	1.285	1.285	0.0265				
SD :	0.0042	0.0042	0.0001				
%RSD:	0.3	0.3	0.3305				

Element: Hg Seq. No.: 74 AS Loc.: 75 Date: 04/10/2009
Sample ID: 0904022-044AMS,MS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.655	2.655	0.0547	0.2892	0.0552	02:23:11	No
2	2.635	2.635	0.0543	0.2845	0.0548	02:23:49	No
Mean:	2.645	2.645	0.0545				
SD :	0.0142	0.0142	0.0003				
%RSD:	0.5	0.5	0.5368				

Element: Hg Seq. No.: 75 AS Loc.: 76 Date: 04/10/2009
Sample ID: 0904022-044AMSD,MSD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.284	3.284	0.0677	0.3588	0.0682	02:25:23	No
2	3.276	3.276	0.0675	0.3569	0.0680	02:26:01	No
Mean:	3.280	3.280	0.0676				
SD :	0.0056	0.0056	0.0001				
%RSD:	0.2	0.2	0.1714				

Element: Hg Seq. No.: 76 AS Loc.: 77 Date: 04/10/2009
Sample ID: 0904022-045A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.819	1.819	0.0375	0.2011	0.0380	02:27:36	No
2	1.814	1.814	0.0374	0.1999	0.0379	02:28:14	No
Mean:	1.816	1.816	0.0374				
SD :	0.0040	0.0040	0.0001				
%RSD:	0.2	0.2	0.2226				

Element: Hg Seq. No.: 77 AS Loc.: 78 Date: 04/10/2009
Sample ID: 0904022-046A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	6.385	6.385	0.1316	0.7116	0.1321	02:29:45	No
2	6.381	6.381	0.1315	0.7092	0.1320	02:30:23	No
Mean:	6.383	6.383	0.1316				
SD :	0.0025	0.0025	0.0001				
%RSD:							

Element: Hg Seq. No.: 78 AS Loc.: 79 Date: 04/10/2009
Sample ID: 0904022-047A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	39.61	39.61	0.8163	4.8521	0.8169	02:31:51	No
Sample absorbance is greater than that of the highest standard.							
2	39.62	39.62	0.8165	4.8313	0.8170	02:32:29	No

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Sample absorbance is greater than that of the highest standard.

Mean:	39.61	39.61	0.8164
SD :	0.0061	0.0061	0.0001
%RSD:			

Sample absorbance is greater than that of the highest standard.

Element: Hg Seq. No.: 79 AS Loc.: 80 Date: 04/10/2009
Sample ID: 0904022-048A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.159	1.159	0.0239	0.1281	0.0244	02:33:58	No
2	1.172	1.172	0.0242	0.1299	0.0247	02:34:36	No
Mean:	1.166	1.166	0.0240				
SD :	0.0091	0.0091	0.0002				
%RSD:	0.8	0.8	0.7799				

Element: Hg Seq. No.: 80 AS Loc.: 81 Date: 04/10/2009
Sample ID: CCV6,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.081	2.081	0.0429	0.2285	0.0434	02:36:05	No
2	2.083	2.083	0.0429	0.2285	0.0434	02:36:43	No
Mean:	2.082	2.082	0.0429				
SD :	0.0014	0.0014	0.0000				
%RSD:							

Element: Hg Seq. No.: 81 AS Loc.: 82 Date: 04/10/2009
Sample ID: CCB6,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004	0.004	0.0001	0.0031	0.0006	02:38:12	No
2	0.005	0.005	0.0001	0.0031	0.0006	02:38:50	No
Mean:	0.005	0.005	0.0001				
SD :	0.0009	0.0009	0.0000				
%RSD:	18.2	18.2	18.2253				

Element: Hg Seq. No.: 82 AS Loc.: 83 Date: 04/10/2009
Sample ID: 0904022-049A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	76.09	76.09	1.5682	17.0178	1.5688	02:40:19	No

Sample absorbance is greater than that of the highest standard.

2	73.24	73.24	1.5095	16.2562	1.5100	02:40:57	No

Sample absorbance is greater than that of the highest standard.

Mean:	74.66	74.66	1.5389
SD :	2.016	2.016	0.0415
%RSD:	2.7	2.7	2.6996

Sample absorbance is greater than that of the highest standard.

Element: Hg Seq. No.: 83 AS Loc.: 84 Date: 04/10/2009
Sample ID: 0904022-004A,SD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.941	0.988	0.0204	0.1071	0.0209	03:25:19	No
2	4.944	0.989	0.0204	0.1079	0.0209	03:25:57	No
Mean:	4.942	0.988	0.0204				
SD :	0.0025	0.0005	0.0000				
%RSD:							

Element: Hg Seq. No.: 84 AS Loc.: 85 Date: 04/10/2009
Sample ID: 0904022-004A,PDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	6.615	6.615	0.1364	0.7178	0.1369	03:27:28	No
2	6.571	6.571	0.1354	0.7158	0.1359	03:28:06	No
Mean:	6.593	6.593	0.1359				
SD :	0.0315	0.0315	0.0006				
%RSD:	0.5	0.5	0.4779				

Element: Hg Seq. No.: 85 AS Loc.: 86 Date: 04/10/2009
Sample ID: 0904022-007A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	37.19	1.860	0.0383	0.2032	0.0388	03:29:37	No
2	37.23	1.861	0.0384	0.2026	0.0389	03:30:15	No
Mean:	37.21	1.860	0.0383				
SD :	0.0235	0.0012	0.0000				
%RSD:							

Element: Hg Seq. No.: 86 AS Loc.: 87 Date: 04/10/2009
Sample ID: 0904022-008A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	12.04	1.204	0.0248	0.1338	0.0253	03:31:46	No
2	12.02	1.202	0.0248	0.1320	0.0253	03:32:24	No
Mean:	12.03	1.203	0.0248				
SD :	0.0138	0.0014	0.0000				
%RSD:	0.1	0.1	0.1146				

Element: Hg Seq. No.: 87 AS Loc.: 88 Date: 04/10/2009
Sample ID: 0904022-011A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	16.17	1.617	0.0333	0.1793	0.0338	03:33:55	No
2	16.15	1.615	0.0333	0.1761	0.0338	03:34:33	No
Mean:	16.16	1.616	0.0333				
SD :	0.0163	0.0016	0.0000				
%RSD:	0.1	0.1	0.1007				

Element: Hg Seq. No.: 88 AS Loc.: 89 Date: 04/10/2009
Sample ID: 0904022-014A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	29.88	1.494	0.0308	0.1655	0.0313	03:36:06	No
2	29.55	1.478	0.0305	0.1625	0.0310	03:36:44	No
Mean:	29.72	1.486	0.0306				

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SD :	0.2343	0.0117	0.0002
%RSD:	0.8	0.8	0.7883

Element: Hg Seq. No.: 89 AS Loc.: 90 Date: 04/10/2009
Sample ID: 0904022-015A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	19.84	1.984	0.0409	0.2184	0.0414	03:38:18	No
2	19.88	1.988	0.0410	0.2182	0.0415	03:38:56	No
Mean:	19.86	1.986	0.0409				
SD :	0.0274	0.0027	0.0001				
%RSD:	0.1	0.1	0.1380				

Element: Hg Seq. No.: 90 AS Loc.: 91 Date: 04/10/2009
Sample ID: 0904022-032A,SD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.682	0.336	0.0069	0.0398	0.0074	03:40:29	No
2	1.698	0.340	0.0070	0.0399	0.0075	03:41:07	No
Mean:	1.690	0.338	0.0070				
SD :	0.0110	0.0022	0.0000				
%RSD:	0.7	0.7	0.6536				

Element: Hg Seq. No.: 91 AS Loc.: 92 Date: 04/10/2009
Sample ID: 0904022-032A,PDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.643	3.643	0.0751	0.4029	0.0756	03:42:37	No
2	3.661	3.661	0.0755	0.4036	0.0760	03:43:15	No
Mean:	3.652	3.652	0.0753				
SD :	0.0131	0.0131	0.0003				
%RSD:	0.4	0.4	0.3594				

Element: Hg Seq. No.: 92 AS Loc.: 93 Date: 04/10/2009
Sample ID: CCV7,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.123	2.123	0.0438	0.2352	0.0443	03:44:42	No
2	2.134	2.134	0.0440	0.2349	0.0445	03:45:20	No
Mean:	2.128	2.128	0.0439				
SD :	0.0081	0.0081	0.0002				
%RSD:	0.4	0.4	0.3796				

Element: Hg Seq. No.: 93 AS Loc.: 94 Date: 04/10/2009
Sample ID: CCB7,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004	0.004	0.0001	0.0033	0.0006	03:46:48	No
2	0.007	0.007	0.0001	0.0031	0.0006	03:47:26	No
Mean:	0.005	0.005	0.0001				
SD :	0.0017	0.0017	0.0000				
%RSD:	31.2	31.2	31.1751				

Element: Hg Seq. No.: 94 AS Loc.: 95 Date: 04/10/2009
Sample ID: 0904022-035A,

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Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1144	22.88	0.4716	2.5855	0.4721	03:48:55	No

Sample absorbance is greater than that of the highest standard.

2	1144	22.88	0.4715	2.5865	0.4720	03:49:33	No
Mean:	1144	22.88	0.4716				
SD :	0.1170	0.0023	0.0000				
%RSD:							

Sample absorbance is greater than that of the highest standard.

Element: Hg Seq. No.: 95 AS Loc.: 96 Date: 04/10/2009
Sample ID: 0904022-036A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	187.8	3.756	0.0774	0.4129	0.0779	03:51:01	No
2	187.6	3.753	0.0774	0.4120	0.0779	03:51:39	No
Mean:	187.7	3.754	0.0774				
SD :	0.1140	0.0023	0.0000				
%RSD:							

Element: Hg Seq. No.: 96 AS Loc.: 97 Date: 04/10/2009
Sample ID: 0904022-037A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	107.8	2.155	0.0444	0.2380	0.0449	03:53:08	No
2	107.8	2.156	0.0444	0.2379	0.0449	03:53:46	No
Mean:	107.8	2.156	0.0444				
SD :	0.0334	0.0007	0.0000				
%RSD:							

Element: Hg Seq. No.: 97 AS Loc.: 98 Date: 04/10/2009
Sample ID: 0904022-038A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	10.86	2.171	0.0448	0.2381	0.0453	03:55:16	No
2	10.84	2.168	0.0447	0.2377	0.0452	03:55:54	No
Mean:	10.85	2.170	0.0447				
SD :	0.0124	0.0025	0.0001				
%RSD:	0.1	0.1	0.1141				

Element: Hg Seq. No.: 98 AS Loc.: 99 Date: 04/10/2009
Sample ID: 0904022-044A,SD

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.286	0.257	0.0053	0.0305	0.0058	03:57:24	No
2	1.283	0.257	0.0053	0.0299	0.0058	03:58:02	No
Mean:	1.284	0.257	0.0053				
SD :	0.0027	0.0005	0.0000				
%RSD:	0.2	0.2	0.2112				

Element: Hg Seq. No.: 99 AS Loc.: 100 Date: 04/10/2009
Sample ID: 0904022-044A,PDS

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	3.085	3.085	0.0636	0.3349	0.0641	03:59:36	No
2	3.095	3.095	0.0638	0.3378	0.0643	04:00:14	No

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Mean:	3.090	3.090	0.0637
SD :	0.0073	0.0073	0.0002
%RSD:	0.2	0.2	0.2357

Element: Hg Seq. No.: 100 AS Loc.: 101 Date: 04/10/2009
Sample ID: 0904022-047A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	55.92	2.796	0.0576	0.3078	0.0581	04:01:46	No
2	55.54	2.777	0.0572	0.2996	0.0577	04:02:24	No
Mean:	55.73	2.786	0.0574				
SD :	0.2676	0.0134	0.0003				
%RSD:	0.5	0.5	0.4802				

Element: Hg Seq. No.: 101 AS Loc.: 102 Date: 04/10/2009
Sample ID: 0904022-049A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	988.9	19.78	0.4076	2.1439	0.4081	04:13:06	No
Sample absorbance is greater than that of the highest standard.							
2	988.8	19.78	0.4076	2.1446	0.4081	04:13:44	No
Sample absorbance is greater than that of the highest standard.							
Mean:	988.8	19.78	0.4076				
SD :	0.0353	0.0007	0.0000				
%RSD:							
Sample absorbance is greater than that of the highest standard.							

Element: Hg Seq. No.: 102 AS Loc.: 103 Date: 04/10/2009
Sample ID: 0904022-035A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1310	1.310	0.0270	0.1407	0.0275	04:17:21	No
2	1305	1.305	0.0269	0.1404	0.0274	04:17:59	No
Mean:	1307	1.307	0.0269				
SD :	3.059	0.0031	0.0001				
%RSD:	0.2	0.2	0.2340				

Element: Hg Seq. No.: 103 AS Loc.: 104 Date: 04/10/2009
Sample ID: 0904022049A,

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1146	1.146	0.0236	0.1233	0.0241	04:19:31	No
2	1147	1.147	0.0236	0.1236	0.0242	04:20:09	No
Mean:	1146	1.146	0.0236				
SD :	0.8909	0.0009	0.0000				
%RSD:							

Element: Hg Seq. No.: 104 AS Loc.: 105 Date: 04/10/2009
Sample ID: CCV8,CCV

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.060	2.060	0.0425	0.2214	0.0430	04:21:42	No
2	2.067	2.067	0.0426	0.2224	0.0431	04:22:20	No
Mean:	2.064	2.064	0.0425				
SD :	0.0048	0.0048	0.0001				
%RSD:	0.2	0.2	0.2345				

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Element: Hg Seq. No.: 105 AS Loc.: 106 Date: 04/10/2009
Sample ID: CCB8,CCB

Repl #	SampleConc µg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.003	0.003	0.0001	0.0033	0.0006	04:23:54	No
2	0.004	0.004	0.0001	0.0033	0.0006	04:24:32	No
Mean:	0.004	0.004	0.0001				
SD :	0.0002	0.0002	0.0000				
%RSD:	6.0	6.0	5.9950				

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Laboratory Worksheets

* DIL 4-9-09

Life Science Laboratories, Inc.

MERCURY DIGESTION LOGBOOK QC BATCH # – Date: 4-9-09

Sample ID	Client ID	Initial Sample Size	Final Volume (mL)	Method	Comments
* 0.0 ppb std	–	0.0 mL	50	7471A	7985-S
0.2		0.2			
0.5		0.5			
1.0		1.0			
2.0		2.0			
5.0		5.0			
10.		10.			7986-S
ICV		4.0			7988-S
CCV		2.0			89-S
CCV		↓			90-S
CCV		↓			7980-S
ICB		10			
CCB		↓			↓
CCB		↓			7987-S
CCB		↓			
CRA		0.2			

MT 4-10-09

Reagents/stds #:
(A) 50 ppb working std soln # 7978-S
(B) 50 ppb reference std soln # 7979-S
(C) – mL of spike soln # –

HNO_3 # – $KMnO_4$ # 3010-R
H_2SO_4 # – $NaCl(NH_2OH)$ # 2979-R
$K_2S_2O_8$ # – Carrier # 3030-R
Aqua Regia # 3027-R $SnCl_2$ # 3031-R

Digestion start: 14:15 finish: 14:45 Temperature: 96 °C

Prepared By: Dannielle Polk
Date: 4-9-09
Reviewed By: M Tonkel
Date: 4-10-09

* 012 4-9-09

Life Science Laboratories, Inc.

MERCURY DIGESTION LOGBOOK QC BATCH # 9231 Date: 4-9-09

Sample ID	Client ID	Initial Sample Size	Final Volume (mL)	Method	Comments
* LCSMB - 9231	-	0.30 g	50	7471A	TEFLON CHIPS (293-5)
LCS - 9231	↓				5 mL (B) ↓
0904022 - 001A	EA				
002A					
003A					
004A					
005A					
006A					
007A					
008A					
009A					
010A					
-010A MS					2 mL (B)
-010A MSD					↓
-011A					
-012A					
-013A					
-014A					
-015A					
-016A					
-017A					
-019A					
-020A	↓	↓	↓	↓	

MS 4-10-09

Reagents/stds #:
(A) 50 ppb working std soln # * 7978 - 5
(B) 50 ppb reference std soln # 7979
(C) - mL of spike soln # -

HNO_3 # -
H_2SO_4 # -
$K_2S_2O_8$ # -
Aqua Regia # 3027-R

$KMnO_4$ # 3010-R
$NaCl(NH_2OH)$ # 2979-R
Carrier # 3030-R
$SnCl_2$ # 3031-R

Digestion start: 14:15 finish: 14:45 Temperature: 95 °C

Prepared By: Danilo Rolda
Date: 4-9-09

Reviewed By: M Tabudlo
Date: 4/10/09

Life Science Laboratories, Inc.

MERCURY DIGESTION LOGBOOK QC BATCH # 9232 Date: 4-9-09

Sample ID	Client ID	Initial Sample Size	Final Volume (mL)	Method	Comments
MB - 9232	-	0.30 g	50	7471A	TEFLON CHIPS (2972R)
LCS - 9232	↓				5mL B ↓
0904022 - 021A	EA				
022A					
023A					
024A					
~~025A~~					NA DA 4-9-09
026A					
027A					
028A					
029A					
030A					
031A					
032A MS					2mL (B)
032A MSD					↓
033A					
034A					
035A					
036A					
037A					
038A					
039A					
040A	↓	↓	↓	↓	

Reagents/stds #:
(A) 50 ppb working std soln # 7978-S
(B) 50 ppb reference std soln # 7979-S
(C) ~ mL of spike soln # -

HNO_3 # - $KMnO_4$ # 3010-R
H_2SO_4 # - $NaCl(NH_2OH)$ # 2974-R
$K_2S_2O_8$ # - Carrier # 3030-R
Aqua Regia # 3029-R $SnCl_2$ # 3031-R

Digestion start: 14:15 finish: 14:45 Temperature: 95 °C

Prepared By: David Rolen
Date: 4-9-09
Reviewed By: [signature]
Date: 4-10-09

Life Science Laboratories, Inc.

MERCURY DIGESTION LOGBOOK QC BATCH # 9233 Date: 4-9-09

Sample ID	Client ID	Initial Sample Size	Final Volume (mL)	Method	Comments
MB - 9233	-	0.30 g	50	7471A	TEFLON CHIPS (2932-R)
LCS - 9233	↓	↓	↓	↓	5mL B ↓
0904022-041A	ED				
042A					
043A					
044A					
* ~~044A~~ MS					2 mL (B)
044AMSD					↓
045A					
046A					
047A					
048A					
049A					

MT 4-10-09

Reagents/stds #:
(A) 50 ppb working std soln # 2978-S
(B) 50 ppb reference std soln # 2979-S
(C) ~ mL of spike soln # —

HNO_3 # —
H_2SO_4 # —
$K_2S_2O_8$ # —
Aqua Regia # 3027-R
$KMnO_4$ # 3010-R
$NaCl(NH_2OH)$ # 2977-R
Carrier # 3030-R
$SnCl_2$ # 3031-R

Digestion start: 14:15 finish: 14:45 Temperature: 95 °C

Prepared By: Daniel Lohe
Date: 4-9-09

Reviewed By: M Tisdale
Date: 4-10-09

125 Market Street
New Haven, CT 06513 USA

AccuStandard, Inc.

Tel (203)786-5290 Fax (203)786-5287
Web AccuStandard.com

CERTIFICATE OF ANALYSIS

AccuTrace™ Reference Standard

Item Number: TCLP-02-1

Element: TCLP Standard #2 - Mercury
Matrix: 5% HNO3

Lot Number: B8025003
Expiration Date: Feb / 2010

7281-5
Received - 3/12/08
Opened -
Expire - 2/28/10

Actual Lot Analysis

TCLP Standard #2 - Mercury 20 µg/mL

The total maximum uncertainty on the certified value(s) is ±2% See reverse side of certificate for details.

The concentration of the final solution was verified by ICP against NIST SRM# 3133

RESULTS: This solution standard was certified for accuracy of major elemental constituency via methodology traceable to primary or well characterized secondary standards. All trace level elements and impurities were determined via plasma emission spectroscopy on the concentrate.

This standard was prepared gravimetrically to contain the elemental concentrations shown above. Balances, used in the preparation, are calibrated regularly using NIST-traceable weights. All glassware used in preparation is Class A.

We use the highest purity raw materials available, including high purity acids, ASTM type I 18 megohm deionized water, and typically 99.999%+ starting materials to minimize impurity levels in the final solution. All bottles are acid leached and then triple rinsed with deionized water prior to use.

Use good laboratory procedure when diluting this product. Shake bottle prior to use and do not pipette directly out of the bottle. Use only cleaned Class A volumetric glassware.

We certify the accuracy of this standard to be ± 0.5% of the stated value until the expiration date listed above, provided it is kept tightly capped and stored under normal laboratory conditions.

L. Snyder

Lydia Snyder
Inorganic QC Supervisor

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

ISO 9001 QS Registered
ISO 25 Accredited

CERTIFIED WEIGHT REPORT:

		Lot #	Solvent(s):		
Part Number:	52009	P676766	Nitric Acid		
Lot Number:	060107				
Description:	Mercury (Hg)				
	(TCLP) Cold Vapor Standard	2.0%	10.0	Nitric Acid	
Expiration Date:	060110		(mL)		

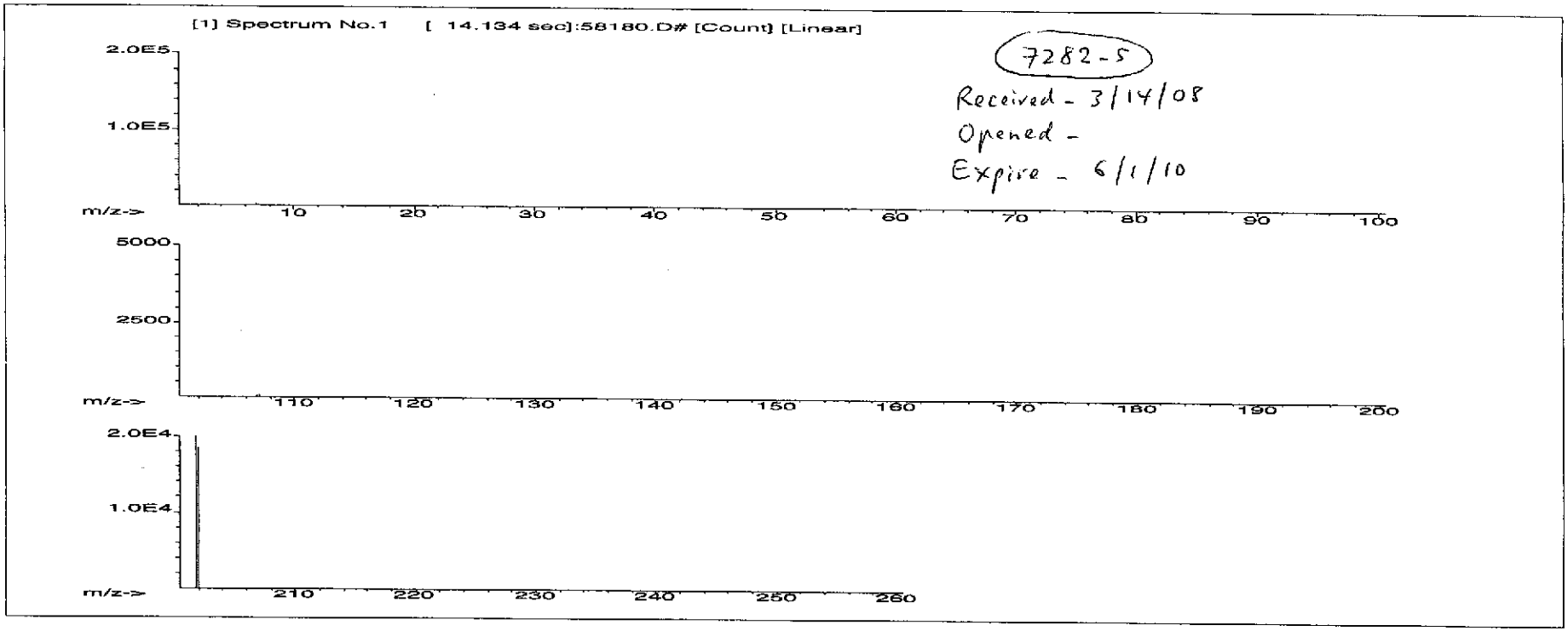
Nominal Concentration (µg/mL): 20

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 500.04 0.025 Flask Uncertainty

Formulated By:	Justin Dippold	060107
Reviewed By:	Pedro L. Rentas	060107

Compound	Part Number	Lot Number	Dilution Factor	Initial Volume	Uncertainty Pipette	Initial Conc. (ug/mL)	Final Conc. (µg/mL)	Expanded Uncertainty (+/-)	MSDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Mercury Nitrate (Hg)	57080	011607	0.0200	10.0	0.006	1000.2	20.0	0.00235	07783-34-8	N/A	orl-rat 51 mg/kg	3133



7282-5
Received - 3/14/08
Opened -
Expire - 6/1/10

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AbsoluteGrade™ Solution

	Mercury (Hg)	
	(µg/mL)	(+/-)
Certified Concentration (µg/mL)	20.0	0.047

7282-5

Received - 3/12/08
Opened -
Expire - 6/1/10

Part# 52009
Lot# 060107

The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise specified.

TRACEABILITY DOCUMENTATION:

A) Classical Chemical Analysis:

Method	Traceability	Concentration (µg/mL)
EDTA Titration	NIST SRM 928 Lead Nitrate	N/A
Gravimetric Analysis	NIST Weights	N/A

B) Instrumental Analysis by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS):

Trace Metals Verification by ICP-MS (µg/mL)

Al	<0.02	Cd	<0.02	Dy	<0.02	Hf	<0.02	Li	<0.02	Ni	<0.02	Pr	<0.02	Se	<0.2	Tb	<0.02	W	<0.02
Sb	<0.02	Ca	<0.2	Er	<0.02	Ho	<0.02	Lu	<0.02	Nb	<0.02	Re	<0.02	Si	<0.02	Te	<0.02	U	<0.02
As	<0.2	Ce	<0.02	Eu	<0.02	In	<0.02	Mg	<0.01	Os	<0.02	Rh	<0.02	Ag	<0.02	Tl	<0.02	V	<0.02
Ba	<0.02	Cs	<0.02	Gd	<0.02	Ir	<0.02	Mn	<0.02	Pd	<0.02	Rb	<0.02	Na	<0.2	Th	<0.02	Yb	<0.02
Be	<0.01	Cr	<0.02	Ga	<0.02	Fe	<0.2	Hg	*	P	<0.02	Ru	<0.02	Sr	<0.02	Tm	<0.02	Y	<0.02
Bi	<0.02	Co	<0.02	Ge	<0.02	La	<0.02	Mo	<0.02	Pt	<0.02	Sm	<0.02	S	<0.02	Sn	<0.02	Zn	<0.02
B	<0.02	Cu	<0.02	Au	<0.02	Pb	<0.02	Nd	<0.02	K	<0.2	Sc	<0.02	Ta	<0.02	Ti	<0.02	Zr	<0.02

(*) =Target Element

C) Physical Characterization:

Analyzed Density of Solution (g/mL): 1.011
Temperature (°C): 21.0
Homogeneity: No heterogeneity was observed in the preparation of this standard.

Certified by:

We use purified acids, 18 megohm double deionized water, calibrated Class A glassware and the highest purity raw materials available, (typically 99.999%). We meticulously clean our bottles by acid leaching and then triple rinsing with ASTM Type I water prior to use. Our standards are made gravimetrically using balances that are calibrated with weights traceable to NIST. **(NIST Test #: 732/245790).** We certify that all our standards are (+/-) 0.5% of the stated value unless otherwise stated, assuming that the bottle is kept tightly capped and stored under normal laboratory conditions.

Reference: Taylor, B.N. and Kuyatt, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. government Printing Office, Washington DC, (1994).

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Life Science Laboratories, Inc. Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared and/or Received	Date Expires	Title of Solution	Weight and/or Volume	Final Volume	Final concentration	Manufacturer	Lot # and/or Standard #	Prepared by
7274-S	3/10/08	3/10/08	Hg - 50 ppb (Working STD)	0.5mL (6037-S) + 4mL Conc HNO3	↗ 200mL w/ DI	50 ppb	AccuSTD	6037-S	CT
7275-S	3/10/08	3/10/08	Hg - 50 ppb (REF STD)	0.5mL (5487-S) + 4mL Conc HNO3	↓	50 ppb	Absolute	5487-S	CT
7276-S	3/10/08	3/10/08	ICB / CCB (Hg)	0.5mL Conc. HNO3	↓	–	Baker	E27027	CT
7277-S	3/10/08	3/10/08	Hg Cal Curve (WATER)	0.0 mL (7274-S)	↗ 50mL w/ DI	0.0 ppb	Baker	E27027	CT
	↓	↓	↓	0.2	↓	0.2	↓	↓	↓
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7278-S	3/10/08	3/10/08	CRA (Hg)	0.2 mL (7274-S)	↗ 50mL	0.2 ppb	AccuSTD	7274-S	CT
7279-S	↓	↓	CCV (Hg)	2.0 mL (7274-S)	w/ DI	2.0 ppb	↓	↓	CT
7280-S			ICV (Hg)	4.0 mL (7275-S)	↓	4.0 ppb	Absolute	7275-S	CT
7281-S	3/12/08	2/28/2010	Hg STD - 20ppm	Stock, received 100mL	100mL	20 ppm	AccuSTD	B8025003	CT
7282-S	3/14/08	6/1/10	Hg STD - 20ppm	Stock, received 100mL	100mL	20 ppm	Absolute	060107	CT
7283-S	3/17/08	3/17/08	STD50 GFAA	10mL (6514-S) + 10mL DI	20 mL	50 ppb	AccuSTD	6514-S	CT
7284-S	↓	↓	STD25	5mL (7283-S) + 5mL DI	10	25	↓	7283-S	↓
7285-S			STD10	2mL (7283-S) + 8mL DI	10	10		7283-S	
7286-S			STD 2	2mL (7285-S) + 8mL DI	10 ↓	2 ↓		7285-S	

Reviewed By: _____

Date: _____

Life Science Laboratories, Inc.-BL — Trace Metals Section — Standards Prep Logbook

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7978-S	4-9-09	4-9-09	50 ppb Hg (WKING std)	0.5 mL (7281-S) + 4 mL HNO_3	↗ 200 mL w/ DI	50 ppb	Accustd BAKER	(7281-S) G44029	DR
7979-S	4-9-09	4-9-09	50 ppb Hg (REF std)	0.5mL (7282-S) + 4 mL HNO_3	↗ 200mL w/DI	50 ppb	ABSOLUTE BAKER	(7282 S) G44029	DR
7980-S	4-9-09	4-9-09	ICB/CCB Hg	0.5mL conc HNO_3	↗ 200mL w/DI	–	BAKER	G44029	DR
7981-S	4-9-09	4-9-09	Hg CAL CRV (WATER	0.0 mL (7978-S) 0.2 0.5 1.0 2.0 5.0 10.	↗ 50mL w/DI	0.0 ppb 0.2 0.5 1.0 2.0 5.0 10.	DR 4-9-09 Accustd ABSOLUTE	(7978-S)	DR
7982-S	~~4-9-09 CRA~~ DR 4-9-09	4-9-09	CRA Hg	0.2 mL (7978-S)	↗ 50mL w/DI	0.2 ppb	~~Accustd ABSOLUTE~~ DR 4-9-09	7978-S	DR
7983-S	4-9-09	4-9-09	ICV Hg	4.0 mL (7979-S)	↗ 50mL w/DI	4.0 ppb	ABSOLUTE	7979-S	DR
7984-S	4-9-09	4-9-09	CCV Hg	2.0 mL (7978-S	↗ 50mL w/DI	2.0 ppb	Accustd	7978-S	DR

Reviewed By:_____

Date:_____

Life Science Laboratories, Inc.-BL Trace Metals Section Standards Prep Logbook

Standard Number	Date Prepared / Received	Date Expire	Title of Solution	Weights/ Volumes	Final Volume (mL)	Final concentration	Manufacturer	Lot # / Standard #	Prepared by
7985-S	4-9-09	4-9-09	Hg CALCRV (SOIL	0.0 mL (7978-S)	↑ 50mL w/DI	0.0 ppb	Accustd	7978-S	DR
				0.2		0.2			
				0.5		0.5			
				1.0		1.0			
				2.0		2.0			
				5.0		5.0			
				10.0		10.0			
7986-S	4-9-09	4-9-09	ICV Hg (SOIL	4.0 mL (7979-S)	↑ 50mL w/DI	4.0 ppb	ABSOLUTE	7979-S	DR
7987-S	4-9-09	4-9-09	CRA Hg (SOIL)	0.2 mL (7978-S)	↑ 50mL w/DI	0.2 ppb	Accustd	7978-S	DR
7988-S	4-9-09	4-9-09	CCV	2.0 mL (7978-S)	↑ 50mL w/DI	2.0 ppb	Accustd	7978-S	DR
89-S			CCV						
90-S			CCV						

Reviewed By:_____

Date:_____

Wet Chemistry Data

Life Science Laboratories, Inc.

Date: *20-Apr-09*

CLIENT: EA Engineering Science and Technology
Lab Order: 0904022
Project: Tract II

Sample ID	Lab ID	Units	Date Collected	Date Received	Date Analyzed	Batch ID	Percent Moisture
9-32-136-TP-01-0309-(0-2)	0904022-001A	wt%	3/30/2009	4/3/2009	4/6/2009	R16888	19.3
9-32-136-TP-02-0309-(0-2)	0904022-002A	wt%	3/30/2009	4/3/2009	4/6/2009	R16888	30.7
9-32-136-TP-05-0309-(0-2)	0904022-003A	wt%	3/30/2009	4/3/2009	4/6/2009	R16888	12.6
9-32-136-TP-06-0309-(0-2)	0904022-004A	wt%	3/30/2009	4/3/2009	4/6/2009	R16888	13.9
9-32-136-TP-07-0309-(0-2)	0904022-005A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	14.8
9-32-136-TP-08-0309-(0-2)	0904022-006A	wt%	3/30/2009	4/3/2009	4/6/2009	R16888	15.8
9-32-136-TP-09-0309-(0-2)	0904022-007A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	24.0
9-32-136-TP-10-0309-(0-2)	0904022-008A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	23.7
9-32-136-TP-11-0309-(0-2)	0904022-009A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	17.9
9-32-136-TP-12-0309-(0-2)	0904022-010A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	12.1
9-32-136-TP-13-0309-(0-2)	0904022-011A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	19.9
9-32-136-TP-14-0309-(0-2)	0904022-012A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	22.4
9-32-136-TP-15-0309-(0-2)	0904022-013A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	19.0
9-32-136-TP-16-0309-(0-2)	0904022-014A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	24.8
9-32-136-TP-17-0309-(0-2)	0904022-015A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	21.1
9-32-136-TP-18-0309-(0-2)	0904022-016A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	23.4
9-32-136-TP-19-0309-(0-2)	0904022-017A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	17.9
9-32-136-TP-20-0309-(0-2)	0904022-018A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	18.4

Life Science Laboratories, Inc.

Date: *20-Apr-09*

CLIENT: EA Engineering Science and Technology
Lab Order: 0904022
Project: Tract II

Sample ID	Lab ID	Units	Date Collected	Date Received	Date Analyzed	Batch ID	Percent Moisture
9-32-136-TP-21-0309-(0-2)	0904022-019A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	21.7
9-32-136-TP-22-0309-(0-2)	0904022-020A	wt%	3/31/2009	4/3/2009	4/6/2009	R16888	29.0
9-32-136-TP-23-0309-(0-2)	0904022-021A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	25.4
9-32-136-TP-24-0309-(0-2)	0904022-022A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	21.4
9-32-136-TP-25-0309-(0-2)	0904022-023A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	18.2
9-32-136-TP-DUP-0309	0904022-024A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	20.5
9-32-136-SS-01-SS-01-0309	0904022-026A	wt%	3/30/2009	4/3/2009	4/6/2009	R16889	19.9
9-32-136-SS-02-0309	0904022-027A	wt%	3/30/2009	4/3/2009	4/6/2009	R16889	16.1
9-32-136-SS-03-0309	0904022-028A	wt%	3/30/2009	4/3/2009	4/6/2009	R16889	18.1
9-32-136-SS-04-0309	0904022-029A	wt%	3/30/2009	4/3/2009	4/6/2009	R16889	16.5
9-32-136-SS-05-0309	0904022-030A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	14.3
9-32-136-SS-06-0309	0904022-031A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	13.3
9-32-136-SS-07-0309	0904022-032A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	21.1
9-32-136-SS-08-0309	0904022-033A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	20.5
9-32-136-SS-09-0309	0904022-034A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	14.3
9-32-136-SS-10-0309	0904022-035A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	23.1
9-32-136-SS-11-0309	0904022-036A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	18.2
9-32-136-SS-12-0309	0904022-037A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	22.1
9-32-136-SS-13-0309	0904022-038A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	20.2
9-32-136-SS-14-0309	0904022-039A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	20.2
9-32-136-SS-15-0309	0904022-040A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	14.3
9-32-136-SS-16-0309	0904022-041A	wt%	3/31/2009	4/3/2009	4/6/2009	R16889	18.3
9-32-136-SS-17-0309	0904022-042A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	19.3
9-32-136-SS-18-0309	0904022-043A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	15.0
9-32-136-SS-19-0309	0904022-044A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	23.4
9-32-136-SS-20-0309	0904022-045A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	20.8

Life Science Laboratories, Inc.

Date: *20-Apr-09*

CLIENT: EA Engineering Science and Technology
Lab Order: 0904022
Project: Tract II

Sample ID	Lab ID	Units	Date Collected	Date Received	Date Analyzed	Batch ID	Percent Moisture
9-32-136-SS-21-0309	0904022-046A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	24.1
9-32-136-SS-22-0309	0904022-047A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	31.0
9-32-136-SS-23-0309	0904022-048A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	39.2
9-32-136-SS-DUP-0309	0904022-049A	wt%	3/31/2009	4/3/2009	4/6/2009	R16890	21.4

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SM 2540 G

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **0904022-010ADUP**	SampType: **DUP**	TestCode: **PMOIST**	Units: **wt%**	Prep Date:		RunNo: **16888**			
Client ID: **9-32-136-TP-12-0309**	Batch ID: **R16888**	Method: **SM 2540 G**		Analysis Date: **4/6/2009**		SeqNo: **437726**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	12.2	1.00						12.1	0.8	10	

Qualifiers:

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

736 : *20-Apr-09*

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SM 2540 G

Work Order: 0904022

CLIENT: EA Engineering Science and Technology

Project: Tract II

Sample ID: **0904022-020ADUP**	SampType: **DUP**	TestCode: **PMOIST**	Units: **wt%**	Prep Date:		RunNo: **16888**			
Client ID: **9-32-136-TP-22-0309**	Batch ID: **R16888**	Method: **SM 2540 G**		Analysis Date: **4/6/2009**		SeqNo: **437737**			
Instrument:	ColumnID:								

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	26.9	1.00						29	7.5	10	

Qualifiers:

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

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SM 2540 G
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-021ADUP** SampType: **DUP** TestCode: **PMOIST** Units: **wt%** Prep Date: RunNo: **16889**
Client ID: **9-32-136-TP-23-0309** Batch ID: **R16889** Method: **SM 2540 G** Analysis Date: **4/6/2009** SeqNo: **437763**
Instrument: ColumnID:

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	24.5	1.00						25.4	3.6	10	

Qualifiers:

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

Life Science Laboratories, Inc.

5000 Brittonfield Parkway, Suite 200

East Syracuse, NY 13057 (315) 437-0200

ANALYTICAL QC SUMMARY REPORT

Method: SM 2540 G
Work Order: 0904022
Project: Tract II

CLIENT: EA Engineering Science and Technology

Sample ID: **0904022-032ADUP**	SampType: **DUP**	TestCode: **PMOIST**	Units: **wt%**	Prep Date:		RunNo: **16889**					
Client ID: **9-32-136-SS-07-0309**	Batch ID: **R16889**	Method: **SM 2540 G**		Analysis Date: **4/6/2009**		SeqNo: **437774**					
Instrument:	ColumnID:										

Analyte	QC Sample Result	PQL	SPK Added	Parent Sample Result	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	19.9	1.00						21.1	5.9	10	

Qualifiers:

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

739 : *20-Apr-09*

Life Science Laboratories - Brittonfield

Percent Moisture DataSheet SM 2540 G

Analysis Date:	April 6, 2009
Batch ID:	R16888
LOQ/RL/PQL	1

Instrument ID:	Denver APX-200

#	LSL ID	Client ID	Sample Type		Dish Wt (g)	Dish Wt + Wet Samp (g)	Dish Wt +Dried Samp (g)		% Moisture	Dish Wt +Ashed Samp @ 550°C (g)		% Volatile Solids	Comments
1	CONTROL				1.3170		1.3162						
2	0904022-001A	EA	SAMP		1.2448	5.2108	4.4436		19.34				
3	0904022-002A	EA	SAMP		1.2411	5.6777	4.3178		30.65				
4	0904022-003A	EA	SAMP		1.2457	6.1061	5.4958		12.56				
5	0904022-004A	EA	SAMP		1.2459	7.7665	6.8618		13.87				
6	0904022-005A	EA	SAMP		1.2469	5.3795	4.7678		14.80				
7	0904022-006A	EA	SAMP		1.2483	6.7430	5.8757		15.78				
8	0904022-007A	EA	SAMP		1.2471	6.4830	5.2264		24.00				
9	0904022-008A	EA	SAMP		1.2477	6.0409	4.9059		23.68				
10	0904022-009A	EA	SAMP		1.2464	5.2275	4.5140		17.92				
11	0904022-010A	EA	SAMP		1.2428	5.6085	5.0811		12.08				
12	0904022-010ADUP	EA	DUP		1.2454	6.4673	5.8298		12.21				
13	0904022-011A	EA	SAMP		1.2437	5.6670	4.7849		19.94				
14	0904022-012A	EA	SAMP		1.3032	5.4929	4.5565		22.35				
15	0904022-013A	EA	SAMP		1.3016	5.7249	4.8860		18.97				
16	0904022-014A	EA	SAMP		1.3163	5.3945	4.3826		24.81				
17	0904022-015A	EA	SAMP		1.3084	6.1697	5.1457		21.06				
18	0904022-016A	EA	SAMP		1.3066	5.8529	4.7893		23.39				
19	0904022-017A	EA	SAMP		1.3017	6.8669	5.8686		17.94				
20	0904022-018A	EA	SAMP		1.3148	6.1244	5.2400		18.39				
21	0904022-019A	EA	SAMP		1.3085	5.4025	4.5151		21.68				
22	0904022-020A	EA	SAMP		1.3120	6.1402	4.7422		28.95				
23	0904022-020ADUP	EA	DUP		1.3037	5.8692	4.6417		26.89				
24													
25													
26													
27													* 2
28													
29													4/7/09
30													

Comments:

	Weight #1
Time on:	17:15
Oven Temp on:	103.0°C
Time Off:	6:55
Oven Temp off:	103.0°C
Oven Date Off:	04/07/09

Prep Start Date:	04/06/09
Prep Start Time:	16:50:00
Prep End Time:	17:15:00
Analyte	PMOIST

Analyst: Jackie Cleary for HK

Date: 4/7/09

Reviewed by: Kristin Ladd

Date: 4/7/09

QA Auth | Calc SEQ | Rslts

VAL	SeqNo	SampID	SampType	Analyte	RawVal	CalcVal	Qual	Tare Wt
☑	437716	0904022-001A	SAMP	Percent Moisture	19.3	19.3		0
☑	437719	0904022-004A	SAMP	Percent Moisture	13.9	13.9		0
☑	437720	0904022-005A	SAMP	Percent Moisture	14.8	14.8		0
☑	437721	0904022-006A	SAMP	Percent Moisture	15.8	15.8		0
☑	437722	0904022-007A	SAMP	Percent Moisture	24	24		0
☑	437723	0904022-008A	SAMP	Percent Moisture	23.7	23.7		0
☑	437724	0904022-009A	SAMP	Percent Moisture	17.9	17.9		0
☑	437725	0904022-010A	SAMP	Percent Moisture	12.1	12.1		0
☑	437726	0904022-010ADUP	DUP	Percent Moisture	12.2	12.2		0
☑	437727	0904022-011A	SAMP	Percent Moisture	19.9	19.9		0
☑	437728	0904022-012A	SAMP	Percent Moisture	22.4	22.4		0
☑	437729	0904022-013A	SAMP	Percent Moisture	19	19		0
☑	437730	0904022-014A	SAMP	Percent Moisture	24.8	24.8		0
☑	437731	0904022-015A	SAMP	Percent Moisture	21.1	21.1		0
☑	437732	0904022-016A	SAMP	Percent Moisture	23.4	23.4		0
☑	437733	0904022-017A	SAMP	Percent Moisture	17.9	17.9		0
☑	437734	0904022-018A	SAMP	Percent Moisture	18.4	18.4		0
☑	437735	0904022-019A	SAMP	Percent Moisture	21.7	21.7		0
☑	437736	0904022-020A	SAMP	Percent Moisture	29	29		0
☑	437737	0904022-020ADUP	DUP	Percent Moisture	26.9	26.9		0
☑	437717	0904022-002A	SAMP	Percent Moisture	30.7	30.7		0
☑	437718	0904022-003A	SAMP	Percent Moisture	12.6	12.6		0

9L 4/7/09

Life Science Laboratories - Brittonfield

Percent Moisture DataSheet SM 2540 G

Analysis Date:	April 6, 2009
Batch ID:	R16889
LOQ/RL/PQL	1

Instrument ID:	Denver APX-200

#	LSL ID	Client ID	Sample Type		Dish Wt (g)	Dish Wt + Wet Samp (g)	Dish Wt +Dried Samp (g)		% Moisture	Dish Wt +Ashed Samp @ 550°C (g)		% Volatile Solids	Comments
1	CONTROL				1.2434		1.2437						
2	0904022-021A	EA	SAMP		1.2905	7.2082	5.7045		25.41				
3	0904022-021ADUP	EA	DUP		1.3152	6.1099	4.9365		24.47				
4	0904022-022A	EA	SAMP		1.2458	8.0943	6.6254		21.45				
5	0904022-023A	EA	SAMP		1.2550	9.3884	7.9117		18.16				
6	0904022-024A	EA	SAMP		1.2547	6.2460	5.2229		20.50				
7	0904022-026A	EA	SAMP		1.2566	6.5740	5.5135		19.94				
8	0904022-027A	EA	SAMP		1.2551	6.0959	5.3187		18.06				
9	0904022-028A	EA	SAMP		1.2514	6.2005	5.3063		18.07				
10	0904022-029A	EA	SAMP		1.2480	5.4216	4.7317		16.53				
11	0904022-030A	EA	SAMP		1.2441	5.6176	4.9938		14.26				
12	0904022-031A	EA	SAMP		1.3029	6.0683	5.4350		13.29				
13	0904022-032A	EA	SAMP		1.3107	6.8094	5.8474		21.13				
14	0904022-032ADUP	EA	DUP		1.3064	6.9738	5.8442		19.93				
15	0904022-033A	EA	SAMP		1.2994	5.8025	4.8815		20.45				
16	0904022-034A	EA	SAMP		1.3085	6.5793	5.8247		14.32				
17	0904022-035A	EA	SAMP		1.3010	8.5936	6.9121		23.06				
18	0904022-036A	EA	SAMP		1.2907	5.9286	5.0823		18.25				
19	0904022-037A	EA	SAMP		1.2923	5.7904	4.7976		22.07				
20	0904022-038A	EA	SAMP		1.3155	6.2948	5.2908		20.16				
21	0904022-039A	EA	SAMP		1.3191	5.7236	4.8347		20.18				
22	0904022-040A	EA	SAMP		1.3230	7.5351	6.6488		14.27				
23	0904022-041A	EA	SAMP		1.3035	7.1330	6.0682		18.27				
24													
25													
26													
27													
28													
29													
30													

Comments:

	Weight #1
Time on:	17:40
Oven Temp on:	103.0°C
Time Off:	6:55
Oven Temp off:	103 ~~102.0~~°C
Oven Date Off:	04/07/09

Prep Start Date:	04/06/09
Prep Start Time:	17:15:00
Prep End Time:	17:40:00
Analyte	PMOIST

Analyst: Jackie Cleary for HK

Date: 4/7/09

Reviewed by:

Date: 4/7/09

QA Auth | Calc SEQ | Rslts

VAL	SeqNo	SampID	SampType	Analyte	RawVal	CalcVal	Qual	Tare Wt
☑	437762	0904022-021A	SAMP	Percent Moisture	25.4	25.4		0
☑	437763	0904022-021ADUP	DUP	Percent Moisture	24.5	24.5		0
☑	437764	0904022-022A	SAMP	Percent Moisture	21.4	21.4		0
☑	437765	0904022-023A	SAMP	Percent Moisture	18.2	18.2		0
☑	437766	0904022-024A	SAMP	Percent Moisture	20.5	20.5		0
☑	437767	0904022-026A	SAMP	Percent Moisture	19.9	19.9		0
☑	437768	0904022-027A	SAMP	Percent Moisture	16.1	16.1		0
☑	437769	0904022-028A	SAMP	Percent Moisture	18.1	18.1		0
☑	437770	0904022-029A	SAMP	Percent Moisture	16.5	16.5		0
☑	437771	0904022-030A	SAMP	Percent Moisture	14.3	14.3		0
☑	437772	0904022-031A	SAMP	Percent Moisture	13.3	13.3		0
☑	437773	0904022-032A	SAMP	Percent Moisture	21.1	21.1		0
☑	437774	0904022-032ADUP	DUP	Percent Moisture	19.9	19.9		0
☑	437775	0904022-033A	SAMP	Percent Moisture	20.5	20.5		0
☑	437776	0904022-034A	SAMP	Percent Moisture	14.3	14.3		0
☑	437777	0904022-035A	SAMP	Percent Moisture	23.1	23.1		0
☑	437778	0904022-036A	SAMP	Percent Moisture	18.2	18.2		0
☑	437779	0904022-037A	SAMP	Percent Moisture	22.1	22.1		0
☑	437780	0904022-038A	SAMP	Percent Moisture	20.2	20.2		0
☑	437781	0904022-039A	SAMP	Percent Moisture	20.2	20.2		0
☑	437782	0904022-040A	SAMP	Percent Moisture	14.3	14.3		0
☑	437783	0904022-041A	SAMP	Percent Moisture	18.3	18.3		0

9L
4/7/09

Life Science Laboratories - Brittonfield

Percent Moisture DataSheet SM 2540 G

Analysis Date:	April 6, 2009
Batch ID:	R16890
LOQ/RL/PQL	1

Instrument ID:	Denver APX-200

#	LSL ID	Client ID	Sample Type		Dish Wt (g)	Dish Wt + Wet Samp (g)	Dish Wt +Dried Samp (g)		% Moisture	Dish Wt +Ashed Samp @ 550°C (g)		% Volatile Solids	Comments
1	CONTROL				1.3022		1.3015						
2	0904022-042A	EA	SAMP		1.3061	6.5399	5.5293		19.31				
3	0904022-043A	EA	SAMP		1.2871	7.8279	6.8465		15.00				
4	0904022-044A	EA	SAMP		1.3106	6.5764	5.3453		23.38				
5	0904022-045A	EA	SAMP		1.3004	7.4993	6.2100		20.80				
6	0904022-046A	EA	SAMP		1.2985	7.0817	5.6857		24.14				
7	0904022-047A	EA	SAMP		1.3231	6.7327	5.0584		30.95				
8	0904022-048A	EA	SAMP		1.3259	7.5539	5.1119		39.21				
9	0904022-049A	EA	SAMP		1.3052	6.9641	5.7557		21.35				
10	0904024-001A	[redacted]	SAMP		1.3143	5.6422	4.9564		15.85				
11	0904024-001ADUP	[redacted]	DUP		1.3232	5.4224	4.7644		16.05				
12	0904007-004A	[redacted]	SAMP		1.3030	10.8801	1.8552		94.23				
13													
14													
15													
16													
17													
18													
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21													
22													
23													
24													
25													
26													
27													
28													
29													4/7/09
30													

	Weight #1
Time on:	18:10
Oven Temp on:	103.0°C
Time Off:	6:55
Oven Temp off:	103.0°C
Oven Date Off:	04/07/09

Prep Start Date:	04/06/09
Prep Start Time:	17:45:00
Prep End Time:	18:10:00
Analyte	PMOIST

Comments:

Analyst: Jackie S Creecy for HK

Date: 4/7/09

Reviewed by:

Date: 4/7/09

QA Auth | Calc SEQ | Rslts

VAL	SeqNo	SampID	SampType	Analyte	RawVal	CalcVal	Qual	Tare Wt
☑	437785	0904022-042A	SAMP	Percent Moisture	19.3	19.3		0
☑	437786	0904022-043A	SAMP	Percent Moisture	15	15		0
☑	437787	0904022-044A	SAMP	Percent Moisture	23.4	23.4		0
☑	437788	0904022-045A	SAMP	Percent Moisture	20.8	20.8		0
☑	437789	0904022-046A	SAMP	Percent Moisture	24.1	24.1		0
☑	437790	0904022-047A	SAMP	Percent Moisture	31	31		0
☑	437791	0904022-048A	SAMP	Percent Moisture	39.2	39.2		0
☑	437792	0904022-049A	SAMP	Percent Moisture	21.4	21.4		0
☑	437793	0904024-001A	SAMP	Percent Moisture	15.8	15.8		0
☑	437794	0904024-001ADUP	DUP	Percent Moisture	16.1	16.1		0
☑	437795	0904007-004A	SAMP	Percent Moisture	94.2	94.2		0

qc
4/7/04