UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

DRAFT

Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW48	1202004-01	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW48-F	1202004-02	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW48z	1202004-03	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW48z-F	1202004-04	Drinking Water	2/08/12 16:06	2/10/12 11:20
HW21	1202004-06	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW21-F	1202004-07	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW21z	1202004-08	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW21z-F	1202004-09	Drinking Water	2/09/12 10:53	2/10/12 11:20
HW23-P	1202004-11	Drinking Water	2/08/12 15:39	2/10/12 11:20
HW22	1202004-13	Drinking Water	2/09/12 10:42	2/10/12 11:20
HW22-F	1202004-14	Drinking Water	2/09/12 10:42	2/10/12 11:20
HW23	1202004-15	Drinking Water	2/08/12 15:42	2/10/12 11:20
HW23-F	1202004-16	Drinking Water	2/08/12 15:42	2/10/12 11:20
HW22-P	1202004-17	Drinking Water	2/09/12 10:50	2/10/12 11:20
HW23-PF	1202004-19	Drinking Water	2/08/12 15:39	2/10/12 11:20
HW22-PF	1202004-20	Drinking Water	2/09/12 10:50	2/10/12 11:20
HW36n	1202004-21	Drinking Water	2/10/12 10:53	2/11/12 10:04
HW49	1202004-22	Drinking Water	2/09/12 14:11	2/11/12 10:04
HW16-P	1202004-23	Drinking Water	2/10/12 11:37	2/11/12 10:04
HW54-P	1202004-24	Drinking Water	2/10/12 14:30	2/11/12 10:04
FB14	1202004-25	Water	2/09/12 13:36	2/11/12 10:04
HW16z	1202004-26	Drinking Water	2/10/12 11:22	2/11/12 10:04
HW16	1202004-27	Drinking Water	2/10/12 11:21	2/11/12 10:04
HW44	1202004-28	Drinking Water	2/09/12 14:49	2/11/12 10:04
HW49-P	1202004-29	Drinking Water	2/09/12 14:26	2/11/12 10:04
HW36n-P	1202004-30	Drinking Water	2/10/12 11:02	2/11/12 10:04
FB15	1202004-31	Water	2/10/12 11:21	2/11/12 10:04
HW54	1202004-32	Drinking Water	2/10/12 14:08	2/11/12 10:04
HW36n-F	1202004-33	Drinking Water	2/10/12 10:53	2/11/12 10:04
HW49-F	1202004-34	Drinking Water	2/09/12 14:11	2/11/12 10:04
HW54-PF	1202004-35	Drinking Water	2/10/12 14:30	2/11/12 10:04

NO BLK problems

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701 Mapes Road
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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Matrix	Date Sampled	Date Received
HW16-PF	1202004-36	Drinking Water	2/10/12 11:37	2/11/12 10:04
FB14-F	1202004-37	Water	2/09/12 13:36	2/11/12 10:04
HW16z-F	1202004-38	Drinking Water	2/10/12 11:22	2/11/12 10:04
HW16-F	1202004-39	Drinking Water	2/10/12 11:21	2/11/12 10:04
HW44-F	1202004-40	Drinking Water	2/09/12 14:49	2/11/12 10:04
HW54-F	1202004-41	Drinking Water	2/10/12 14:08	2/11/12 10:04
HW36n-PF	1202004-42	Drinking Water	2/10/12 11:02	2/11/12 10:04
HW49-PF	1202004-43	Drinking Water	2/09/12 14:26	2/11/12 10:04
FB15-F	1202004-44	Water	2/10/12 11:21	2/11/12 10:04

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW48	**Lab ID:** 1202004-01
Sample Matrix: Drinking Water	**Date Collected:** 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Arsenic	1.1		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Barium	39.0		10.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Calcium	31700		500	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Copper	5.8		2.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Magnesium	4500		500	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Nickel	1.3		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Sodium	6660		1000	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 09:57	EPA 200.7/R3QA159
Uranium	2.0		1.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 09:37	EPA 200.8/R3QA116

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701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Station ID: HW48-F
Sample Matrix: Drinking Water

Project #: DAS R33907
Lab ID: 1202004-02
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Barium	39.0		10.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Calcium	31500		500	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Copper	4.5		2.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Magnesium	4470		500	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Nickel	1.3		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Sodium	6630		1000	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:04	EPA 200.7/R3QA159
Uranium	2.1		1.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 09:48	EPA 200.8/R3QA116

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701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Station ID: HW48z
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-03
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Barium	39.1		10.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Calcium	31600		500	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Copper	6.5		2.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Magnesium	4490		500	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Nickel	1.3		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Sodium	6680		1000	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:08	EPA 200.7/R3QA159
Uranium	2.1		1.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 09:53	EPA 200.8/R3QA116

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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701 Mapes Road
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Site Name: Dimock Residential Groundwater
Station ID: HW48z-F
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-04
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Arsenic	1.0		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Barium	37.4		10.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Calcium	31800		500	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Copper	4.3		2.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Magnesium	4510		500	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Nickel	1.2		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Sodium	6660		1000	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:11	EPA 200.7/R3QA159
Uranium	1.9		1.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 09:59	EPA 200.8/R3QA116

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701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21	**Lab ID:** 1202004-06
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Barium	31.8		10.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Calcium	18600		500	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Copper	6.4		2.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Iron	366		100	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Magnesium	2450		500	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Manganese	7.3		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Sodium	9770		1000	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:15	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116
Zinc	9.3		2.0	2.5	02/10/12	02/14/12 10:04	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
Fort Meade, Maryland 20755-5350

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Site Name: Dimock Residential Groundwater
Station ID: HW21-F
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-07
Date Collected: 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Barium	32.5		10.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Calcium	18200		500	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Copper	4.8		2.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Magnesium	2390		500	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Manganese	4.1		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Sodium	9580		1000	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:23	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116
Zinc	7.7		2.0	2.5	02/10/12	02/14/12 10:15	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW21z
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-08
Date Collected: 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Barium	30.8		10.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Calcium	18500		500	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Copper	7.5		2.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Iron	365		100	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Magnesium	2430		500	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Manganese	7.2		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Sodium	9770		1000	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:34	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116
Zinc	11.7		2.0	2.5	02/10/12	02/14/12 10:20	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW21z-F	**Lab ID:** 1202004-09
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Barium	30.1		10.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Calcium	18600		500	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Copper	4.7		2.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Magnesium	2460		500	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Manganese	3.8		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Sodium	9790		1000	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:38	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116
Zinc	7.6		2.0	2.5	02/10/12	02/14/12 10:36	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW23-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-11
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Barium	193		10.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Calcium	27400		500	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Copper	10.0		2.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Magnesium	5110		500	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Manganese	4.2		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Nickel	1.3		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Sodium	14500		1000	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Strontium	370		200	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:41	EPA 200.7/R3QA159
Uranium	1.7		1.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 10:41	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22	**Lab ID:** 1202004-13
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	5220		200	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
~~Aluminum~~ JD Fixed 2.22.12	5620		30.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Arsenic	7.1		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Barium	516		200	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Calcium	27900		500	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Chromium	4.9		2.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Cobalt	3.8		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Copper	14.0		2.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Iron	8530		100	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Lead	22.7		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Magnesium	6510		500	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Manganese	635		15.0	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Nickel	7.7		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Potassium	2690		2000	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Sodium	18000		1000	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Strontium	433		200	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:45	EPA 200.7/R3QA159
Uranium	1.7		1.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Vanadium	5.8		5.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116
Zinc	33.2		2.0	2.5	02/10/12	02/14/12 10:46	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW22-F	**Lab ID:** 1202004-14
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Arsenic	1.0		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Barium	376		200	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Calcium	27500		500	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Iron	159		100	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Magnesium	5160		500	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Manganese	361		15.0	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Nickel	1.2		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Sodium	18100		1000	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Strontium	426		200	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:52	EPA 200.7/R3QA159
Uranium	1.1		1.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116
Zinc	2.5		2.0	2.5	02/10/12	02/14/12 10:57	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW23
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-15
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	34.6		30.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Arsenic	1.0		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Barium	185		10.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Calcium	26600		500	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Copper	15.5		2.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Iron	375		100	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Lead	2.0		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Magnesium	4980		500	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Manganese	14.8		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Nickel	1.4		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Sodium	13600		1000	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Strontium	359		200	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 10:56	EPA 200.7/R3QA159
Uranium	1.7		1.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 11:02	EPA 200.8/R3QA116

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Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater
Station ID: HW23-F
Sample Matrix: Drinking Water

Project #: DAS R33907
Lab ID: 1202004-16
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Barium	182		10.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Calcium	26500		500	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Copper	3.5		2.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Magnesium	4950		500	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Manganese	2.6		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Nickel	1.2		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Sodium	13300		1000	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Strontium	357		200	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:03	EPA 200.7/R3QA159
Uranium	1.8		1.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 11:13	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
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Site Name: Dimock Residential Groundwater
Station ID: HW22-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-17
Date Collected: 02/09/2012

Fixed RC 2-22-12

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	2680		200	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
~~**Aluminum**~~	~~2800~~		30.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Arsenic	3.8		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Barium	511		200	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Calcium	26500		500	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Chromium	2.5		2.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Cobalt	1.8		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Copper	6.1		2.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Iron	4030		100	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Lead	8.1		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Magnesium	5630		500	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Manganese	460		15.0	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Nickel	4.0		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Potassium	2100		2000	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Sodium	19000		1000	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Strontium	503		200	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:07	EPA 200.7/R3QA159
Uranium	1.3		1.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116
Zinc	12.3		2.0	2.5	02/10/12	02/14/12 11:18	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW23-PF
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-19
Date Collected: 02/08/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Arsenic	1.3		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Barium	188		10.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Calcium	27100		500	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Copper	7.9		2.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Magnesium	5060		500	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Manganese	2.3		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Nickel	1.2		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Sodium	14200		1000	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Strontium	360		200	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:19	EPA 200.7/R3QA159
Uranium	1.7		1.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 11:24	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
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701 Mapes Road
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Site Name: Dimock Residential Groundwater
Station ID: HW22-PF
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-20
Date Collected: 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Arsenic	1.2		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Barium	452		200	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Calcium	27100		500	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Iron	386		100	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Magnesium	5150		500	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Manganese	313		15.0	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Nickel	1.2		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Sodium	19300		1000	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Strontium	507		200	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:22	EPA 200.7/R3QA159
Uranium	1.0		1.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/10/12	02/14/12 11:39	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW36n
Sample Matrix: Drinking Water

Project #: DAS R33907
Lab ID: 1202004-21
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Barium	154		10.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Calcium	24900		500	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Copper	2.7		2.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Iron	172		100	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Magnesium	2970		500	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Manganese	2.1		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Nickel	1.1		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Sodium	2830		1000	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:26	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116
Zinc	2.3		2.0	2.5	02/10/12	02/14/12 11:45	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49	**Lab ID:** 1202004-22
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Arsenic	2.9		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Barium	89.2		10.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Calcium	41100		500	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Copper	5.3		2.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Magnesium	5770		500	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Manganese	36.3		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Nickel	1.7		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Sodium	12600		1000	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Strontium	291		200	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:30	EPA 200.7/R3QA159
Uranium	2.2		1.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116
Zinc	2.3		2.0	2.5	02/10/12	02/14/12 11:50	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-P	**Lab ID:** 1202004-23
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Barium	2850		200	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Boron	85.6		50.0	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Calcium	34500		500	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Copper	3.5		2.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Magnesium	9980		500	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Nickel	1.5		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Potassium	2040		2000	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Sodium	50200		1000	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Strontium	1790		200	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:33	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116
Zinc	24.8		2.0	2.5	02/10/12	02/14/12 11:55	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54-P	**Lab ID:** 1202004-24
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Barium	167		10.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Boron	U		50.0	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Calcium	39900		500	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Copper	10.8		2.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Iron	U		100	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Lithium	U		200	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Magnesium	9800		500	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Manganese	1.0		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Nickel	1.7		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Potassium	U		2000	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Sodium	12000		1000	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Strontium	U		200	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Tin	U		200	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Titanium	U		200	1	02/10/12	02/14/12 11:39	EPA 200.7/R3QA159
Uranium	2.3		1.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116
Zinc	4.7		2.0	2.5	02/10/12	02/14/12 12:04	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: FB14
Sample Matrix: Water
Project #: DAS R33907
Lab ID: 1202004-25
Date Collected: 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Barium	U		10.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Calcium	U		500	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Magnesium	U		500	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Sodium	U		1000	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:02	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 12:20	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW16z
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-26
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	95.4		30.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Barium	2890		200	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Boron	91.5		50.0	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Calcium	34900		500	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Iron	415		100	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Magnesium	10100		500	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Manganese	64.7		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Nickel	1.8		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Potassium	2100		2000	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Sodium	50200		1000	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Strontium	1800		200	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:06	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 12:25	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16	**Lab ID:** 1202004-27
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	102		30.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Barium	2910		200	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Boron	88.4		50.0	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Calcium	35000		500	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Iron	464		100	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Magnesium	10200		500	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Manganese	64.8		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Nickel	1.8		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Potassium	2110		2000	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Sodium	50200		1000	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Strontium	1800		200	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:11	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 12:30	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW44
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-28
Date Collected: 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Barium	18.7		10.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Calcium	21800		500	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Magnesium	5060		500	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Manganese	11.8		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Sodium	5320		1000	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:22	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116
Zinc	5.0		2.0	2.5	02/13/12	02/14/12 12:41	EPA 200.8/R3QA116

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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW49-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-29
Date Collected: 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Arsenic	2.6		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Barium	89.9		10.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Calcium	41700		500	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Copper	75.7		2.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Magnesium	5860		500	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Manganese	2.5		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Nickel	1.8		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Sodium	12800		1000	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Strontium	292		200	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:25	EPA 200.7/R3QA159
Uranium	2.2		1.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116
Zinc	4.9		2.0	2.5	02/13/12	02/14/12 12:46	EPA 200.8/R3QA116

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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW36n-P
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-30
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Barium	151		10.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Calcium	25000		500	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Copper	5.3		2.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Magnesium	2990		500	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Nickel	1.2		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Sodium	2820		1000	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:29	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116
Zinc	2.5		2.0	2.5	02/13/12	02/14/12 12:52	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: FB15
Sample Matrix: Water

Project #: DAS R33907
Lab ID: 1202004-31
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Barium	U		10.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Calcium	U		500	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Magnesium	U		500	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Sodium	U		1000	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:33	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 13:07	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW54	**Lab ID:** 1202004-32
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Barium	159		10.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Calcium	38400		500	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Copper	2.4		2.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Magnesium	9540		500	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Manganese	1.1		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Nickel	1.5		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Sodium	11600		1000	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:44	EPA 200.7/R3QA159
Uranium	2.2		1.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 13:13	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-F	**Lab ID:** 1202004-33
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Barium	159		10.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Calcium	25400		500	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Magnesium	3050		500	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Manganese	1.2		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Nickel	1.1		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Sodium	2860		1000	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:53	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 13:23	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49-F	**Lab ID:** 1202004-34
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Arsenic	2.7		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Barium	92.0		10.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Calcium	42800		500	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Copper	3.5		2.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Magnesium	6010		500	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Manganese	2.3		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Nickel	1.9		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Sodium	12900		1000	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Strontium	299		200	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 12:57	EPA 200.7/R3QA159
Uranium	2.3		1.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 13:29	EPA 200.8/R3QA116

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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW54-PF
Sample Matrix: Drinking Water

Project #: DAS R33907
Lab ID: 1202004-35
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Barium	161		10.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Calcium	39200		500	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Copper	11.4		2.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Magnesium	9700		500	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Nickel	1.7		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Sodium	11700		1000	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:00	EPA 200.7/R3QA159
Uranium	2.3		1.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116
Zinc	5.1		2.0	2.5	02/13/12	02/14/12 13:34	EPA 200.8/R3QA116

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-PF	**Lab ID:** 1202004-36
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
~~Barium~~ removed RC 2-16-12	2860		200	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Barium	2870		10.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Boron	86.2		50.0	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Calcium	34800		500	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Copper	3.4		2.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Magnesium	10100		500	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Nickel	1.7		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Potassium	2030		2000	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Sodium	49500		1000	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Strontium	1760		200	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:08	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116
Zinc	24.8		2.0	2.5	02/13/12	02/14/12 13:44	EPA 200.8/R3QA116

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 3 Environmental Science Center

Office of Analytical Services and Quality Assurance

701 Mapes Road

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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB14-F	**Lab ID:** 1202004-37
Sample Matrix: Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Barium	U		10.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Calcium	U		500	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Magnesium	U		500	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Sodium	U		1000	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:11	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 13:50	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater
Station ID: HW16z-F
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-38
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Barium	3040		200	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Boron	89.1		50.0	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Calcium	36700		500	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Magnesium	10700		500	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Manganese	55.6		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Nickel	1.4		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Potassium	2120		2000	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Sodium	52000		1000	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Strontium	1870		200	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:15	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 13:55	EPA 200.8/R3QA116

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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW16-F	**Lab ID:** 1202004-39
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Barium	2870		200	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Beryllium	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Boron	83.8		50.0	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Calcium	34700		500	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Magnesium	10100		500	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Manganese	62.0		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Nickel	1.5		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Potassium	2030		2000	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Sodium	49500		1000	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Strontium	1770		200	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:20	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 14:11	EPA 200.8/R3QA116

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DRAFT

Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW44-F	**Lab ID:** 1202004-40
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Barium	18.9		10.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Calcium	21600		500	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Magnesium	5040		500	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Sodium	5180		1000	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:32	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116
Zinc	3.2		2.0	2.5	02/13/12	02/14/12 14:16	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
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DRAFT

Site Name: Dimock Residential Groundwater
Station ID: HW54-F
Sample Matrix: Drinking Water
Project #: DAS R33907
Lab ID: 1202004-41
Date Collected: 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Barium	160		10.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Calcium	38500		500	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Copper	2.1		2.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Magnesium	9540		500	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Nickel	1.6		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Sodium	11500		1000	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:39	EPA 200.7/R3QA159
Uranium	2.2		1.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 14:27	EPA 200.8/R3QA116

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Region 3 Environmental Science Center
Office of Analytical Services and Quality Assurance
701 Mapes Road
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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW36n-PF	**Lab ID:** 1202004-42
Sample Matrix: Drinking Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Barium	145		10.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Calcium	24900		500	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Copper	4.6		2.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Magnesium	2990		500	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Nickel	1.1		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Sodium	2750		1000	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:43	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116
Zinc	2.6		2.0	2.5	02/13/12	02/14/12 14:32	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: HW49-PF	**Lab ID:** 1202004-43
Sample Matrix: Drinking Water	**Date Collected:** 02/09/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Arsenic	1.6		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Barium	88.2		10.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Calcium	40200		500	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Copper	67.7		2.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Magnesium	5670		500	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Manganese	2.0		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Nickel	1.8		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Sodium	12000		1000	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Strontium	275		200	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:49	EPA 200.7/R3QA159
Uranium	2.1		1.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116
Zinc	2.7		2.0	2.5	02/13/12	02/14/12 14:37	EPA 200.8/R3QA116

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Site Name: Dimock Residential Groundwater	**Project #:** DAS R33907
Station ID: FB15-F	**Lab ID:** 1202004-44
Sample Matrix: Water	**Date Collected:** 02/10/2012

Total Metals

Targets

Analyte	Result ug/L	Flags Qualifiers	Quantitation Limit	Dilution	Prepared	Analyzed	Method/SOP#
Aluminum	U		30.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Antimony	U		2.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Arsenic	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Barium	U		10.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Beryllium	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Boron	U		50.0	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Cadmium	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Calcium	U		500	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Chromium	U		2.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Cobalt	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Copper	U		2.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Iron	U		100	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Lead	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Lithium	U		200	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Magnesium	U		500	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Manganese	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Nickel	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Potassium	U		2000	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Selenium	U		5.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Silver	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Sodium	U		1000	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Strontium	U		200	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Thallium	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Tin	U		200	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Titanium	U		200	1	02/13/12	02/14/12 13:53	EPA 200.7/R3QA159
Uranium	U		1.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Vanadium	U		5.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116
Zinc	U		2.0	2.5	02/13/12	02/14/12 14:43	EPA 200.8/R3QA116

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21006 - Metals Water Prep										
Blank (BB21006-BLK1)				Prepared: 02/10/12 15:26	Analyzed: 02/14/12 09:26					
Antimony	U	2.0	ug/L							
Arsenic	U	1.0	"							
Barium	U	10.0	"							
Beryllium	U	1.0	"							
Cadmium	U	1.0	"							
Chromium	U	2.0	"							
Cobalt	U	1.0	"							
Copper	U	2.0	"							
Lead	U	1.0	"							
Manganese	U	1.0	"							
Nickel	U	1.0	"							
Selenium	U	5.0	"							
Silver	U	1.0	"							
Thallium	U	1.0	"							
Vanadium	U	5.0	"							
Zinc	U	2.0	"							
Aluminum	U	30.0	"							
Uranium	U	1.0	"							
Blank (BB21006-BLK2)				Prepared: 02/10/12 15:26	Analyzed: 02/14/12 09:49					
Aluminum	U	200	ug/L							
Calcium	U	500	"							
Iron	U	100	"							
Magnesium	U	500	"							
Potassium	U	2000	"							
Sodium	U	1000	"							
Barium	U	200	"							
Boron	U	50.0	"							
Manganese	U	15.0	"							
Lithium	U	200	"							
Strontium	U	200	"							
Tin	U	200	"							
Titanium	U	200	"							

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21006 - Metals Water Prep										
LCS (BB21006-BS2)				Prepared: 02/10/12 15:26		Analyzed: 02/14/12 09:53				
Aluminum	1975.76	200	ug/L	2000.0		99	85-115			
Calcium	10245.7	500	"	10000		102	85-115			
Iron	5093.97	100	"	5000.0		102	85-115			
Magnesium	10237.5	500	"	10000		102	85-115			
Potassium	20012.1	2000	"	20000		100	85-115			
Sodium	10294.9	1000	"	10000		103	85-115			
Barium	2028.57	200	"	2000.0		101	85-115			
Boron	503.160	50.0	"	500.00		101	85-115			
Manganese	515.521	15.0	"	500.00		103	85-115			
Lithium	495.938	200	"	500.00		99	85-115			
Strontium	508.864	200	"	500.00		102	85-115			
Tin	520.665	200	"	500.00		104	85-115			
Titanium	524.441	200	"	500.00		105	85-115			
Duplicate (BB21006-DUP1)		Source: 1202004-01		Prepared: 02/10/12 15:26		Analyzed: 02/14/12 09:43				
Antimony	0.020265	2.0	ug/L		0.033118			48	20	D
Arsenic	0.493032	1.0	"		1.07647			74	20	D
Barium	37.6488	10.0	"		38.9879			3	20	
Beryllium	0.009918	1.0	"		0.001288			154	20	D
Cadmium	0.000298	1.0	"		0.006108			181	20	D
Chromium	0.004665	2.0	"		U			200	20	D
Cobalt	0.049008	1.0	"		0.066015			30	20	D
Copper	5.30936	2.0	"		5.75745			8	20	
Lead	0.391852	1.0	"		0.420460			7	20	
Manganese	0.264755	1.0	"		0.304138			14	20	
Nickel	1.15587	1.0	"		1.26762			9	20	
Selenium	0.084420	5.0	"		0.092980			10	20	
Silver	0.001648	1.0	"		0.001960			17	20	
Thallium	0.104840	1.0	"		0.308610			99	20	D
Vanadium	0.457328	5.0	"		0.612558			29	20	D
Zinc	1.15302	2.0	"		1.23474			7	20	
Aluminum	1.74468	30.0	"		2.08369			18	20	
Uranium	1.95010	1.0	"		2.03395			4	20	

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21006 - Metals Water Prep										
Duplicate (BB21006-DUP2)		Source: 1202004-01		Prepared: 02/10/12 15:26	Analyzed: 02/14/12 10:00					
Calcium	31974.2	500	ug/L		31704.5			0.8	20	
Iron	10.1579	100	"		12.9717			24	20	D
Magnesium	4534.77	500	"		4504.77			0.7	20	
Potassium	954.764	2000	"		947.366			0.8	20	
Sodium	6688.88	1000	"		6660.08			0.4	20	
Boron	14.5033	50.0	"		17.0353			16	20	
Lithium	9.45660	200	"		9.00955			5	20	
Strontium	149.126	200	"		148.844			0.2	20	
Tin	13.9175	200	"		4.32638			105	20	D
Titanium	U	200	"		U				20	
Duplicate (BB21006-DUP3)		Source: 1202004-13		Prepared: 02/10/12 15:26	Analyzed: 02/14/12 10:52					
Antimony	0.097612	2.0	ug/L		0.089128			9	20	
Arsenic	6.67723	1.0	"		7.10242			6	20	
Beryllium	0.616255	1.0	"		0.760175			21	20	D
Cadmium	0.087725	1.0	"		0.074355			16	20	
Chromium	4.73146	2.0	"		4.91876			4	20	
Cobalt	3.72323	1.0	"		3.77547			1	20	
Copper	13.7749	2.0	"		14.0130			2	20	
Lead	22.2480	1.0	"		22.6570			2	20	
Nickel	7.50694	1.0	"		7.66371			2	20	
Selenium	U	5.0	"		U				20	
Silver	0.023220	1.0	"		0.020842			11	20	
Thallium	0.094050	1.0	"		0.108735			14	20	
Vanadium	6.23010	5.0	"		5.84740			6	20	
Zinc	32.4061	2.0	"		33.1515			2	20	
Aluminum	5447.82	30.0	"		5615.66			3	20	
Uranium	1.66355	1.0	"		1.67392			0.6	20	

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21006 - Metals Water Prep										
Duplicate (BB21006-DUP4)		**Source: 1202004-13**		Prepared: 02/10/12 15:26		Analyzed: 02/14/12 10:49				
Aluminum	5430.66	200	ug/L		5216.82			4	20	
Calcium	27429.4	500	"		27942.8			2	20	
Iron	8474.19	100	"		8527.57			0.6	20	
Magnesium	6411.97	500	"		6505.22			1	20	
Potassium	2756.69	2000	"		2694.16			2	20	
Sodium	17670.4	1000	"		17979.5			2	20	
Barium	510.515	200	"		515.828			1	20	
Boron	35.6723	50.0	"		37.2139			4	20	
Manganese	627.364	15.0	"		635.411			1	20	
Lithium	34.0451	200	"		33.9387			0.3	20	
Strontium	425.792	200	"		433.126			2	20	
Tin	1.52915	200	"		6.25156			121	20	D
Titanium	44.4884	200	"		38.9824			13	20	
Matrix Spike (BB21006-MS1)		**Source: 1202004-06**		Prepared: 02/10/12 15:26		Analyzed: 02/14/12 10:09				
Antimony	50.3988	2.0	ug/L	50.000	0.011728	101	70-130			
Arsenic	50.8120	1.0	"	50.000	0.117850	101	70-130			
Barium	233.962	10.0	"	200.00	31.7665	101	70-130			
Beryllium	5.50389	1.0	"	5.0000	U	110	70-130			
Cadmium	4.95823	1.0	"	5.0000	U	99	70-130			
Chromium	50.7885	2.0	"	50.000	0.580998	100	70-130			
Cobalt	51.6314	1.0	"	50.000	0.113048	103	70-130			
Copper	56.9159	2.0	"	50.000	6.37409	101	70-130			
Lead	50.8321	1.0	"	50.000	0.621152	100	70-130			
Manganese	58.6129	1.0	"	50.000	7.31854	103	70-130			
Nickel	50.7286	1.0	"	50.000	0.808600	100	70-130			
Selenium	51.0923	5.0	"	50.000	U	102	70-130			
Silver	4.91804	1.0	"	5.0000	0.003582	98	70-130			
Thallium	50.2223	1.0	"	50.000	0.032770	100	70-130			
Vanadium	49.6753	5.0	"	50.000	0.032512	99	70-130			
Zinc	60.3252	2.0	"	50.000	9.29256	102	70-130			
Aluminum	198.567	30.0	"	200.00	3.57570	97	70-130			
Uranium	50.6815	1.0	"	50.000	0.077522	101	70-130			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21006 - Metals Water Prep										
Matrix Spike (BB21006-MS2)		**Source: 1202004-06**		Prepared: 02/10/12 15:26		Analyzed: 02/14/12 10:19				
Calcium	28567.0	500	ug/L	10000	18609.6	100	70-130			
Iron	5463.84	100	"	5000.0	365.801	102	70-130			
Magnesium	12578.6	500	"	10000	2448.65	101	70-130			
Potassium	21036.1	2000	"	20000	982.414	100	70-130			
Sodium	19949.6	1000	"	10000	9770.88	102	70-130			
Boron	510.715	50.0	"	500.00	10.4834	100	70-130			
Lithium	496.456	200	"	500.00	1.71179	99	70-130			
Strontium	548.627	200	"	500.00	39.6797	102	70-130			
Tin	538.420	200	"	500.00	U	108	70-130			
Titanium	522.872	200	"	500.00	U	105	70-130			
Matrix Spike (BB21006-MS3)		**Source: 1202004-15**		Prepared: 02/10/12 15:26		Analyzed: 02/14/12 11:07				
Antimony	50.4848	2.0	ug/L	50.000	0.060215	101	70-130			
Arsenic	51.5779	1.0	"	50.000	0.999990	101	70-130			
Barium	383.972	10.0	"	200.00	185.482	99	70-130			
Beryllium	5.54421	1.0	"	5.0000	0.002305	111	70-130			
Cadmium	4.89466	1.0	"	5.0000	U	98	70-130			
Chromium	50.2958	2.0	"	50.000	0.702028	99	70-130			
Cobalt	50.1076	1.0	"	50.000	0.121885	100	70-130			
Copper	64.1084	2.0	"	50.000	15.5431	97	70-130			
Lead	51.4817	1.0	"	50.000	1.96436	99	70-130			
Manganese	64.3445	1.0	"	50.000	14.8019	99	70-130			
Nickel	49.9428	1.0	"	50.000	1.38085	97	70-130			
Selenium	50.9786	5.0	"	50.000	0.038382	102	70-130			
Silver	4.85576	1.0	"	5.0000	0.006232	97	70-130			
Thallium	49.2246	1.0	"	50.000	0.026148	98	70-130			
Vanadium	50.0704	5.0	"	50.000	0.828760	98	70-130			
Zinc	52.2316	2.0	"	50.000	1.78338	101	70-130			
Aluminum	232.183	30.0	"	200.00	34.5947	99	70-130			
Uranium	51.6866	1.0	"	50.000	1.74492	100	70-130			

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21006 - Metals Water Prep										
Matrix Spike (BB21006-MS4)		**Source: 1202004-15**		Prepared: 02/10/12 15:26		Analyzed: 02/14/12 11:00				
Calcium	36862.6	500	ug/L	10000	26627.0	102	70-130			
Iron	5462.72	100	"	5000.0	374.607	102	70-130			
Magnesium	15226.4	500	"	10000	4981.79	102	70-130			
Potassium	21302.6	2000	"	20000	1271.06	100	70-130			
Sodium	23849.6	1000	"	10000	13648.8	102	70-130			
Boron	531.595	50.0	"	500.00	24.4049	101	70-130			
Lithium	501.563	200	"	500.00	12.5098	98	70-130			
Strontium	864.424	200	"	500.00	359.334	101	70-130			
Tin	537.479	200	"	500.00	9.82096	106	70-130			
Titanium	527.364	200	"	500.00	0.419204	105	70-130			
Batch BB21302 - Metals Water Prep										
Blank (BB21302-BLK1)				Prepared: 02/13/12 08:39		Analyzed: 02/14/12 12:09				
Antimony	U	2.0	ug/L							
Arsenic	U	1.0	"							
Barium	U	10.0	"							
Beryllium	U	1.0	"							
Cadmium	U	1.0	"							
Chromium	U	2.0	"							
Cobalt	U	1.0	"							
Copper	U	2.0	"							
Lead	U	1.0	"							
Manganese	U	1.0	"							
Nickel	U	1.0	"							
Selenium	U	5.0	"							
Silver	U	1.0	"							
Thallium	U	1.0	"							
Vanadium	U	5.0	"							
Zinc	U	2.0	"							
Aluminum	U	30.0	"							
Uranium	U	1.0	"							

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21302 - Metals Water Prep										
LCS (BB21302-BS1)				Prepared: 02/13/12 08:39		Analyzed: 02/14/12 12:14				
Antimony	52.4052	2.0	ug/L	50.000		105	85-115			
Arsenic	50.8547	1.0	"	50.000		102	85-115			
Barium	210.247	10.0	"	200.00		105	85-115			
Beryllium	5.75718	1.0	"	5.0000		115	85-115			
Cadmium	5.26759	1.0	"	5.0000		105	85-115			
Chromium	53.4754	2.0	"	50.000		107	85-115			
Cobalt	54.4502	1.0	"	50.000		109	85-115			
Copper	53.9112	2.0	"	50.000		108	85-115			
Lead	52.4726	1.0	"	50.000		105	85-115			
Manganese	53.9248	1.0	"	50.000		108	85-115			
Nickel	52.6982	1.0	"	50.000		105	85-115			
Selenium	51.2407	5.0	"	50.000		102	85-115			
Silver	5.32658	1.0	"	5.0000		107	85-115			
Thallium	52.1652	1.0	"	50.000		104	85-115			
Vanadium	51.8343	5.0	"	50.000		104	85-115			
Zinc	54.2609	2.0	"	50.000		109	85-115			
Aluminum	202.546	30.0	"	200.00		101	85-115			
Uranium	51.2518	1.0	"	50.000		103	85-115			
LCS (BB21302-BS2)				Prepared: 02/13/12 08:39		Analyzed: 02/14/12 11:58				
Calcium	11054.9	500	ug/L	10000		111	85-115			
Iron	5518.23	100	"	5000.0		110	85-115			
Magnesium	11124.7	500	"	10000		111	85-115			
Potassium	20855.1	2000	"	20000		104	85-115			
Sodium	10827.4	1000	"	10000		108	85-115			
Barium	2197.89	200	"	2000.0		110	85-115			
Boron	538.793	50.0	"	500.00		108	85-115			
Lithium	506.201	200	"	500.00		101	85-115			
Strontium	538.156	200	"	500.00		108	85-115			
Tin	563.448	200	"	500.00		113	85-115			
Titanium	558.380	200	"	500.00		112	85-115			

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Site Name: Dimock Residential Groundwater **Project #:** DAS R33907

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21302 - Metals Water Prep										
Duplicate (BB21302-DUP1)		**Source: 1202004-27**		Prepared: 02/13/12 08:39	Analyzed: 02/14/12 12:36					
Antimony	0.059742	2.0	ug/L		0.038918			42	20	D
Arsenic	0.794818	1.0	"		0.849230			7	20	
Beryllium	0.011038	1.0	"		0.011350			3	20	
Cadmium	U	1.0	"		U				20	
Chromium	1.18097	2.0	"		1.19599			1	20	
Cobalt	0.116885	1.0	"		0.121212			4	20	
Copper	0.872100	2.0	"		1.24246			35	20	D
Lead	0.130325	1.0	"		0.109368			17	20	
Manganese	59.8984	1.0	"		64.7591			8	20	
Nickel	1.66462	1.0	"		1.84549			10	20	
Selenium	2.23507	5.0	"		2.81768			23	20	D
Silver	0.000670	1.0	"		0.000210			105	20	D
Thallium	0.019208	1.0	"		0.029068			41	20	D
Vanadium	0.513910	5.0	"		U			200	20	D
Zinc	0.777428	2.0	"		1.02968			28	20	D
Aluminum	83.1918	30.0	"		101.679			20	20	
Uranium	0.012895	1.0	"		0.012830			0.5	20	
Duplicate (BB21302-DUP2)		**Source: 1202004-27**		Prepared: 02/13/12 08:39	Analyzed: 02/14/12 12:16					
Calcium	35533.7	500	ug/L		34958.2			2	20	
Iron	468.634	100	"		463.662			1	20	
Magnesium	10321.5	500	"		10185.6			1	20	
Potassium	2117.61	2000	"		2112.92			0.2	20	
Sodium	50818.3	1000	"		50237.5			1	20	
Barium	2947.08	200	"		2914.09			1	20	
Boron	89.0744	50.0	"		88.4064			0.8	20	
Lithium	99.5843	200	"		98.2055			1	20	
Strontium	1822.69	200	"		1795.96			1	20	
Tin	15.7752	200	"		13.5644			15	20	
Titanium	2.80864	200	"		2.48495			12	20	

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21302 - Metals Water Prep										
Duplicate (BB21302-DUP3)		**Source: 1202004-35**		Prepared: 02/13/12 08:39	Analyzed: 02/14/12 13:39					
Antimony	0.031338	2.0	ug/L		0.022530			33	20	D
Arsenic	U	1.0	"		U				20	
Barium	162.539	10.0	"		160.777			1	20	
Beryllium	0.002730	1.0	"		U			200	20	D
Cadmium	U	1.0	"		U				20	
Chromium	1.01822	2.0	"		0.905322			12	20	
Cobalt	0.067692	1.0	"		0.070822			5	20	
Copper	10.0657	2.0	"		11.3793			12	20	
Lead	0.229190	1.0	"		0.343080			40	20	D
Manganese	0.659102	1.0	"		0.657575			0.2	20	
Nickel	1.68358	1.0	"		1.68790			0.3	20	
Selenium	0.233265	5.0	"		0.187795			22	20	D
Silver	0.001980	1.0	"		0.001010			65	20	D
Thallium	0.017742	1.0	"		0.025942			38	20	D
Vanadium	0.339442	5.0	"		0.373208			9	20	
Zinc	4.50239	2.0	"		5.11901			13	20	
Aluminum	1.24588	30.0	"		1.18695			5	20	
Uranium	2.23228	1.0	"		2.25114			0.8	20	
Duplicate (BB21302-DUP4)		**Source: 1202004-35**		Prepared: 02/13/12 08:39	Analyzed: 02/14/12 13:04					
Calcium	40447.0	500	ug/L		39153.3			3	20	
Iron	U	100	"		U				20	
Magnesium	9992.84	500	"		9698.79			3	20	
Potassium	1174.80	2000	"		1138.87			3	20	
Sodium	12046.6	1000	"		11687.0			3	20	
Boron	17.4599	50.0	"		17.8019			2	20	
Lithium	10.7940	200	"		10.3468			4	20	
Strontium	192.676	200	"		186.859			3	20	
Tin	13.8854	200	"		11.2122			21	20	D
Titanium	0.075042	200	"		0.118957			45	20	D

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Site Name: **Dimock Residential Groundwater** **Project #:** **DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21302 - Metals Water Prep										
Matrix Spike (BB21302-MS1)		**Source: 1202004-32**		Prepared: 02/13/12 08:39		Analyzed: 02/14/12 13:18				
Antimony	51.7017	2.0	ug/L	50.000	0.029462	103	-70-130			
Arsenic	51.5660	1.0	"	50.000	0.203812	103	70-130			
Barium	373.281	10.0	"	200.00	159.399	107	70-130			
Beryllium	5.85220	1.0	"	5.0000	U	117	70-130			
Cadmium	4.99953	1.0	"	5.0000	0.024670	99	70-130			
Chromium	50.5518	2.0	"	50.000	0.153572	101	70-130			
Cobalt	51.2845	1.0	"	50.000	0.063195	102	70-130			
Copper	52.0471	2.0	"	50.000	2.43301	99	70-130			
Lead	51.1547	1.0	"	50.000	0.529795	101	70-130			
Manganese	52.6316	1.0	"	50.000	1.09576	103	70-130			
Nickel	50.8096	1.0	"	50.000	1.53372	99	70-130			
Selenium	50.7240	5.0	"	50.000	0.057948	101	70-130			
Silver	5.02821	1.0	"	5.0000	0.004082	100	70-130			
Thallium	50.8035	1.0	"	50.000	0.041820	102	70-130			
Vanadium	49.5856	5.0	"	50.000	0.602068	98	70-130			
Zinc	53.6373	2.0	"	50.000	0.899090	105	70-130			
Aluminum	210.436	30.0	"	200.00	1.83437	104	70-130			
Uranium	52.6448	1.0	"	50.000	2.20127	101	70-130			
Matrix Spike (BB21302-MS2)		**Source: 1202004-32**		Prepared: 02/13/12 08:39		Analyzed: 02/14/12 12:48				
Calcium	51279.2	500	ug/L	10000	38421.8	129	70-130			
Iron	5374.50	100	"	5000.0	8.23665	107	70-130			
Magnesium	20842.8	500	"	10000	9543.65	113	70-130			
Potassium	21417.2	2000	"	20000	1144.76	101	70-130			
Sodium	22611.0	1000	"	10000	11575.2	110	70-130			
Boron	537.710	50.0	"	500.00	30.0328	102	70-130			
Lithium	491.748	200	"	500.00	11.0861	96	70-130			
Strontium	710.048	200	"	500.00	185.467	105	70-130			
Tin	562.980	200	"	500.00	10.2193	111	70-130			
Titanium	538.715	200	"	500.00	0.141536	108	70-130			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

QC Data
Total Metals

Analyte	Result	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BB21302 - Metals Water Prep										
Matrix Spike (BB21302-MS3)		Source: 1202004-40		Prepared: 02/13/12 08:39		Analyzed: 02/14/12 14:21				
Antimony	48.8922	2.0	ug/L	50.000	0.005245	98	70-130			
Arsenic	50.0936	1.0	"	50.000	0.075838	100	70-130			
Barium	219.610	10.0	"	200.00	18.9296	100	70-130			
Beryllium	5.45298	1.0	"	5.0000	0.001925	109	70-130			
Cadmium	4.75541	1.0	"	5.0000	U	95	70-130			
Chromium	49.5116	2.0	"	50.000	0.756545	98	70-130			
Cobalt	49.7971	1.0	"	50.000	0.035615	100	70-130			
Copper	50.6042	2.0	"	50.000	1.30242	99	70-130			
Lead	48.8736	1.0	"	50.000	0.141792	97	70-130			
Manganese	53.2351	1.0	"	50.000	0.063095	106	70-130			
Nickel	49.1668	1.0	"	50.000	0.907695	97	70-130			
Selenium	51.2992	5.0	"	50.000	0.101725	102	70-130			
Silver	4.93750	1.0	"	5.0000	0.003920	99	70-130			
Thallium	47.5578	1.0	"	50.000	0.037362	95	70-130			
Vanadium	47.9306	5.0	"	50.000	0.049472	96	70-130			
Zinc	54.3678	2.0	"	50.000	3.21117	102	70-130			
Aluminum	201.706	30.0	"	200.00	0.844185	100	70-130			
Uranium	48.3971	1.0	"	50.000	0.253070	96	70-130			
Matrix Spike (BB21302-MS4)		Source: 1202004-40		Prepared: 02/13/12 08:39		Analyzed: 02/14/12 13:36				
Calcium	32044.1	500	ug/L	10000	21635.3	104	70-130			
Iron	5229.29	100	"	5000.0	U	105	70-130			
Magnesium	15490.5	500	"	10000	5040.42	105	70-130			
Potassium	20531.3	2000	"	20000	634.431	99	70-130			
Sodium	15263.6	1000	"	10000	5183.09	101	70-130			
Boron	519.296	50.0	"	500.00	22.2044	99	70-130			
Lithium	481.946	200	"	500.00	5.62214	95	70-130			
Strontium	543.302	200	"	500.00	40.2338	101	70-130			
Tin	548.205	200	"	500.00	8.22154	108	70-130			
Titanium	523.132	200	"	500.00	0.005262	105	70-130			

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Site Name: Dimock Residential Groundwater **Project #: DAS R33907**

Notes and Definitions

D Source sample result and/or duplicate sample result are below the quantitation limit and the RPD is artificially high. Precision data (RPD value) has no significance for this QC Sample.

%REC Percent Recovery

RPD Relative Percent Difference

U Analyte included in the analysis, but not detected at or above the quantitation limit.

Quantitation Limit: The lowest concentration of an analyte that can be reliably measured within specified limits of precision and accuracy for a specific laboratory analytical method and that takes into account analytical adjustments made during sample preparation and analysis.

REPORTING PROTOCOL FOR SOLID SAMPLE RESULTS: Percent Solids (percent dry wt at 105 degrees C) determinations are routinely performed for most organic and inorganic analyses. Consequently, these samples are analyzed wet and converted to a dry weight result for reporting purposes. If metals and mercury analyses are requested, they are routinely prepared for analyses by an initial drying at 60 degrees C, homogenized prior to digestion, and are analyzed and reported on a dry weight basis. Oil-type samples are analyzed and reported on a wet weight basis for all analyses because of the nature of the sample matrix. Any exceptions to this protocol will be noted in the narrative.

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
	Total Metals by 200.7	(Water)	Special Units: (ug/L)
1202004-01	Total Metals by 200.7		Status is Analyzed
1202004-01	Total Metals by 200.8		Status is Analyzed
1202004-02	Total Metals by 200.7		Status is Analyzed
1202004-02	Total Metals by 200.8		Status is Analyzed
1202004-03	Total Metals by 200.7		Status is Analyzed
1202004-03	Total Metals by 200.8		Status is Analyzed
1202004-04	Total Metals by 200.7		Status is Analyzed
1202004-04	Total Metals by 200.8		Status is Analyzed
1202004-06	Total Metals by 200.7		Status is Analyzed
1202004-06	Total Metals by 200.8		Status is Analyzed
1202004-07	Total Metals by 200.7		Status is Analyzed
1202004-07	Total Metals by 200.8		Status is Analyzed
1202004-08	Total Metals by 200.7		Status is Analyzed
1202004-08	Total Metals by 200.8		Status is Analyzed
1202004-09	Total Metals by 200.7		Status is Analyzed
1202004-09	Total Metals by 200.8		Status is Analyzed
1202004-11	Total Metals by 200.7		Status is Analyzed
1202004-11	Total Metals by 200.8		Status is Analyzed
1202004-13	Total Metals by 200.7		Status is Analyzed
1202004-13	Total Metals by 200.8		Status is Analyzed
1202004-14	Total Metals by 200.7		Status is Analyzed
1202004-14	Total Metals by 200.8		Status is Analyzed
1202004-15	Total Metals by 200.7		Status is Analyzed
1202004-15	Total Metals by 200.8		Status is Analyzed
1202004-16	Total Metals by 200.7		Status is Analyzed
1202004-16	Total Metals by 200.8		Status is Analyzed
1202004-17	Total Metals by 200.7		Status is Analyzed
1202004-17	Total Metals by 200.8		Status is Analyzed
1202004-19	Total Metals by 200.7		Status is Analyzed
1202004-19	Total Metals by 200.8		Status is Analyzed
1202004-20	Total Metals by 200.7		Status is Analyzed
1202004-20	Total Metals by 200.8		Status is Analyzed
1202004-21	Total Metals by 200.7		Status is Analyzed
1202004-21	Total Metals by 200.8		Status is Analyzed
1202004-22	Total Metals by 200.7		Status is Analyzed
1202004-22	Total Metals by 200.8		Status is Analyzed
1202004-23	Total Metals by 200.7		Status is Analyzed
1202004-23	Total Metals by 200.8		Status is Analyzed
1202004-24	Total Metals by 200.7		Status is Analyzed
1202004-24	Total Metals by 200.8		Status is Analyzed
1202004-25	Total Metals by 200.7		Status is Analyzed
1202004-25	Total Metals by 200.8		Status is Analyzed
1202004-26	Total Metals by 200.7		Status is Analyzed
1202004-26	Total Metals by 200.8		Status is Analyzed
1202004-27	Total Metals by 200.7		Status is Analyzed

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Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
1202004-27	Total Metals by 200.8		Status is Analyzed
1202004-28	Total Metals by 200.7		Status is Analyzed
1202004-28	Total Metals by 200.8		Status is Analyzed
1202004-29	Total Metals by 200.7		Status is Analyzed
1202004-29	Total Metals by 200.8		Status is Analyzed
1202004-30	Total Metals by 200.7		Status is Analyzed
1202004-30	Total Metals by 200.8		Status is Analyzed
1202004-31	Total Metals by 200.7		Status is Analyzed
1202004-31	Total Metals by 200.8		Status is Analyzed
1202004-32	Total Metals by 200.7		Status is Analyzed
1202004-32	Total Metals by 200.8		Status is Analyzed
1202004-33	Total Metals by 200.7		Status is Analyzed
1202004-33	Total Metals by 200.8		Status is Analyzed
1202004-34	Total Metals by 200.7		Status is Analyzed
1202004-34	Total Metals by 200.8		Status is Analyzed
1202004-35	Total Metals by 200.7		Status is Analyzed
1202004-35	Total Metals by 200.8		Status is Analyzed
1202004-36	Total Metals by 200.7		Status is Analyzed
1202004-36	Total Metals by 200.8		Status is Analyzed
1202004-37	Total Metals by 200.7		Status is Analyzed
1202004-37	Total Metals by 200.8		Status is Analyzed
1202004-38	Total Metals by 200.7		Status is Analyzed
1202004-38	Total Metals by 200.8		Status is Analyzed
1202004-39	Total Metals by 200.7		Status is Analyzed
1202004-39	Total Metals by 200.8		Status is Analyzed
1202004-40	Total Metals by 200.7		Status is Analyzed
1202004-40	Total Metals by 200.8		Status is Analyzed
1202004-41	Total Metals by 200.7		Status is Analyzed
1202004-41	Total Metals by 200.8		Status is Analyzed
1202004-42	Total Metals by 200.7		Status is Analyzed
1202004-42	Total Metals by 200.8		Status is Analyzed
1202004-43	Total Metals by 200.7		Status is Analyzed
1202004-43	Total Metals by 200.8		Status is Analyzed
1202004-44	Total Metals by 200.7		Status is Analyzed
1202004-44	Total Metals by 200.8		Status is Analyzed
BB21006-DUP1	Total Metals by 200.8	Antimony	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Arsenic	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Beryllium	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Cadmium	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Chromium	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Cobalt	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Thallium	Exceeds RPD control limit
BB21006-DUP1	Total Metals by 200.8	Vanadium	Exceeds RPD control limit
BB21006-DUP2	Total Metals by 200.7	Iron	Exceeds RPD control limit
BB21006-DUP2	Total Metals by 200.7	Tin	Exceeds RPD control limit
BB21006-DUP3	Total Metals by 200.8	Beryllium	Exceeds RPD control limit

DIM0209773 DIM0209828

DRAFT

Items for Project Manager Review

LabNumber	Analysis	Analyte	Exception
BB21006-DUP4	Total Metals by 200.7	Tin	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Antimony	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Copper	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Selenium	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Silver	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Thallium	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Vanadium	Exceeds RPD control limit
BB21302-DUP1	Total Metals by 200.8	Zinc	Exceeds RPD control limit
BB21302-DUP3	Total Metals by 200.8	Antimony	Exceeds RPD control limit
BB21302-DUP3	Total Metals by 200.8	Beryllium	Exceeds RPD control limit
BB21302-DUP3	Total Metals by 200.8	Lead	Exceeds RPD control limit
BB21302-DUP3	Total Metals by 200.8	Selenium	Exceeds RPD control limit
BB21302-DUP3	Total Metals by 200.8	Silver	Exceeds RPD control limit
BB21302-DUP3	Total Metals by 200.8	Thallium	Exceeds RPD control limit
BB21302-DUP4	Total Metals by 200.7	Tin	Exceeds RPD control limit
BB21302-DUP4	Total Metals by 200.7	Titanium	Exceeds RPD control limit

DIM0209773 DIM0209829

ICP-MS METALS Technical Review Checklist

(200.8, 6020)

For Internal Use Only

Site Name: Dimock WO#: 1202004

Analyst: [illegible] Date given to Reviewer: 2/16/12

Matrix (circle): Solid / Aqueous / Other _____ SOP R3QA116-021511 / R3QA155-021511

Program (circle): Superfund / RCRA / WPD (NPDES) / SDWA / Other: _____

-01 thru -44

The signature below indicates the following:

- This data meets the needs of the customer according to the request.
- The analysis was performed as per the SOP, or exceptions documented.
- All documentation needed to recreate the analyses has been reviewed.
- Data Review status set to Peer Reviewed in Element.

Peer Reviewer signature [illegible] Date accepted 2/16/12

If any data for this case is stored with another case file, give Site Name and WO#_____

Peer Reviewer Completes Section Below:

General:	YES	NO	N/A	Comments
Raw data is identified with sample ID's, site name, WO#, analyst name, date of analysis.	✓			
Quality Control:				
Initial calibration ≥.995	✓			
Meas. PK Width .6 to .7 amu	✓			
Exact Mass & Meas. Mass within 1 amu	✓			
Internal Stds 60-125%	✓			
SCV ±10%;	✓			Ag using BS
CCV ±10% , 10% frequency, and end of run; (If CCV fails at <±15%, can keep the data but have to recalibrate before continuing, or qualify data.)	✓			
LCV ±50% ;	✓			
IBL < |Reporting limit|, analyzed with each CCV;	✓			
BS (LCS) ±15%	✓			
SRM within vendor acceptance limits;			✓	
BLK < |Reporting limit|; (if >Reporting Limit **and** >1/10 of sample - must qualify)	✓			
MS [∓30%] unless spike is <30% of sample value;	✓			
RPDs from DUP ≤ 20% aqueous & 35% soils;	✓			

Sample results < CAL or within documented linear range;	✓			
Calculations/Report:				
Calculations and transcriptions checked.	✓			
Element Draft Report reviewed.	✓			
Deviations and problems documented.	✓			

NOTE: When soils are being reported, the *sample qualifier* 'dry' or 'wet' must be entered so that it appears in the header of the Element report. This will signify that the data was report 'wet weight' or 'dry weight' as appropriate.

Additional Comments by Peer Reviewer:

Analyst Ensures that the Data Case File is Complete and Accurate:

- ✓ Bench sheet
- ✓ Calibration report
- ✓ Instrument run log
- ✓ Standard/Reagent Prep log
- ✓ Daily Performance Report
- ✓ TV sheets
- ✓ Element Peer Review report
- ✓ Raw data
- ✓ Data status set to analyzed
- ✓ Tune Report

Additional Comments by Analyst on data issues:

Use BS for Ag SCV

I:\ASQAB_AT Team\Checklists\ICPMS TRC 2008.doc Jan 2010

On-Demand Data Checklist
(used in addition to routine TRC)
For Internal Use Only

Parameter: U
Procedure/Method/Reference: 200.8

Site Name: Dimoll WO#: 1202004
Analyst: [illegible]

The signature below indicates the following:
• The analysis was performed as per the On-Demand requirements below.

Peer Reviewer signature [illegible] Date accepted 2/14/12

Peer Reviewer Completes Section Below:

Quality Control:	**YES**	**NO**	**N/A**	**Comments**
The case file must explain why this is a non-routine request	✓			

This is a special request which falls outside our routine protocols. Therefore, these samples were analyzed and the quality control (QC) were evaluated based on the "On Demand" criteria. These protocols include all the QC checks as per routine analyses plus special verification of the performance of the analytical method at the reported quantitation limit/s. These protocols are specified in the EPA Region III OASQA Laboratory Quality Manual, current version.

A written procedure or reference must be available for the method being performed and referenced in the narrative. If the method to be performed is unique, the procedures must be fully documented.	✓			
Calibration of the instrumentation or analytical procedure must be according to the method or procedure.	✓			
Calibration verified by analysis of second source standard (SCV,SRM), if available. Concentration must be in the range of the calibration. Results must be within the method, procedure, client or in-house limits.	✓			
Analysis of one method blank (BLK) with each batch. Ideally, the results should be less than the expected quantitation levels set by the method, procedure, or in-house requirements.	✓			
Analysis of one matrix spike (MS) with each batch. For samples or parameters which do not lend themselves to matrix spiking, a BS or SRM sample must be analyzed. Results of spikes must be within the method, procedure, client or in-house limits.	✓			
Analysis of one duplicate analyses (DUP) or a quality control sample such as an SRM or BS with each batch. If duplicate analyses is not possible, e.g.,				

insufficient sample quantity, a quality control sample must be analyzed in duplicate, if available. Results of duplicate analyses must be within the method, procedure, client or in-house limits. ✓

At least one blank spike (BS) must be carried through the entire method and analyzed with each batch. The concentration of the BS should be at the quantitation level or at the level of the expected sample results, if known. Results of the BS must be within the method, procedure, client or in-house limits. ✓

Any additional quality control items, such as surrogates, internal standards, etc., which the referenced method or procedure requires should be analyzed. Results must be within the method or, procedure limits. ✓

The analyst must document the impact on the usability of the reported data by applying qualifier codes if applicable and including a summary in the case file. ✓

Additional Comments:

Use BS for U SCV

ICP-MS ELAN 6100 RUN LOG

Computer Name: D0303SLABF103A
Dataset File Path: C:\Elandata\DataSet\EL120214\
Optimization File: C:\Elandata\Optimize\epa.dac
Tuning File: C:\Elandata\Tuning\epa.tun
Method File: C:\Elandata\Method\EPA\epa Tuning.mth
Report Date/Time: Thursday, February 16, 2012 08:11:14
Batch ID: WO# 1202004
Analyst: R.COSTAS
Site: DIMOCK
Inst Run: EL120214

RCostas 2.16.12

Matrix HNO3/HCl. Samples diluted 2.5X unless otherwise noted below. __X___

Matrix 1% nitric. No dilution unless indicated below. _____

The Dataset

Batch ID	Description	Sample ID	Date and Time	Samp. File Name	Read Type
		Blank	08:32:40 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\Blank.001	Blank
		Blank	08:38:16 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\Blank.002	Blank
		Standard 1	08:43:28 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\Standard 1.003	Standard #1
		Standard 2	08:48:41 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\Standard 2.004	Standard #2
		Standard 3	08:53:55 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\Standard 3.005	Standard #3
		QC Std 2	08:59:19 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 2.006	QC Std #2
		QC Std 4	09:04:31 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 4.007	QC Std #4
		QC Std 5	09:09:45 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 5.008	QC Std #5
		QC Std 6	09:14:58 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 6.009	QC Std #6
		QC Std 7	09:19:54 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 7.010	QC Std #7
		BB21006-BLK1	09:26:36 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21006-BLK1.011	Sample
FC 3.12.12	BB21006-BS1	BB~~22~~006-BS1	09:32:29 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB22006-BS1.012	Sample
		1202004-01	09:37:49 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-01.013	Sample
		BB21006-DUP1	09:43:10 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21006-DUP1.014	Sample
		1202004-02	09:48:32 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-02.015	Sample
		1202004-03	09:53:54 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-03.016	Sample
		1202004-04	09:59:17 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-04.017	Sample
		1202004-06	10:04:36 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-06.018	Sample
		BB21006-MS1	10:09:51 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21006-MS1.019	Sample
		1202004-07	10:15:07 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-07.020	Sample
		1202004-08	10:20:24 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-08.021	Sample
		QC Std 2	10:25:37 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 2.022	QC Std #2
		QC Std 4	10:30:49 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 4.023	QC Std #4
		1202004-09	10:36:06 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-09.024	Sample
		1202004-11	10:41:24 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-11.025	Sample
		1202004-13	10:46:42 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-13.026	Sample
		BB21006-DUP3	10:52:00 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21006-DUP3.027	Sample
		1202004-14	10:57:19 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-14.028	Sample
		1202004-15	11:02:39 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-15.029	Sample
		BB21006-MS3	11:07:59 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21006-MS3.030	Sample
		1202004-16	11:13:19 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-16.031	Sample
		1202004-17	11:18:40 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-17.032	Sample
		1202004-19	11:24:02 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-19.033	Sample
		QC Std 2	11:29:17 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 2.034	QC Std #2
		QC Std 4	11:34:29 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 4.035	QC Std #4
		1202004-20	11:39:49 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-20.036	Sample
		1202004-21	11:45:11 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-21.037	Sample

1202004-22	11:50:30 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-22.038	Sample
1202004-23	11:55:45 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-23.039	Sample
1202004-24	12:04:24 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-24.040	Sample
BB21302-BLK1	12:09:41 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21302-BLK1.041	Sample
BB21302-BS1	12:14:58 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21302-BS1.042	Sample
1202004-25	12:20:15 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-25.043	Sample
1202004-26	12:25:33 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-26.044	Sample
1202004-27	12:30:51 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-27.045	Sample
BB21302-DUP1	12:36:09 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21302-DUP1.046	Sample
1202004-28	12:41:29 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-28.047	Sample
1202004-29	12:46:48 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-29.048	Sample
1202004-30	12:52:08 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-30.049	Sample
QC Std 2	12:57:23 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 2.050	QC Std #2
QC Std 4	13:02:35 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 4.051	QC Std #4
1202004-31	13:07:54 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-31.052	Sample
1202004-32	13:13:15 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-32.053	Sample
BB21302-MS1	13:18:37 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21302-MS1.054	Sample
1202004-33	13:23:55 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-33.055	Sample
1202004-34	13:29:10 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-34.056	Sample
1202004-35	13:34:25 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-35.057	Sample
BB21302-DUP3	13:39:41 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21302-DUP3.058	Sample
1202004-36	13:44:57 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-36.059	Sample
1202004-37	13:50:13 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-37.060	Sample
1202004-38	13:55:30 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-38.061	Sample
QC Std 2	14:00:43 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 2.062	QC Std #2
QC Std 4	14:05:56 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 4.063	QC Std #4
1202004-39	14:11:13 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-39.064	Sample
1202004-40	14:16:31 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-40.065	Sample
BB21302-MS3	14:21:49 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\BB21302-MS3.066	Sample
1202004-41	14:27:08 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-41.067	Sample
1202004-42	14:32:28 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-42.068	Sample
1202004-43	14:37:48 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-43.069	Sample
1202004-44	14:43:08 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\1202004-44.070	Sample
QC Std 2	14:48:23 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 2.071	QC Std #2
QC Std 4	14:53:35 Tue 14-Feb-12	C:\Elandata\DataSet\EL120214\QC Std 4.072	QC Std #4

EPA - OASQA - ICP-MS Standard/Reagent Preparation

Perkin Elmer ELAN 6100

Analyst: Costner Date: 2-14-12 Pipets Logbook # 11

Run Filename E120214 (all electronic files saved using Run Filename) SOP #: R3-QA116

SITE/WO#: DIMOCK, 1202004 Reagent purity checked ✓

* See Certificates of Analysis for analytes and concentrations.

** Matrix of IBL and calibration standards: 0.8% nitric/0.4% HCl (0.8 mL/ 0.4mL to 100 mL final vol) ✓

IBL made daily. **OR** 1% nitric (1mL to 100mL final vol) _____

****SCV (made daily): Single solution made with both stocks and diluted to volume with IBL.**

*Stock Solution	Expiration Date	Stock Conc	Vendor	Bar Code	Stock Volume	Final Volume	Final Conc
QC-7A	1-2013	100 mg/L 50 mg/L Ag 1000 mg/L K	Spex	13853	50 µl	50 ml	see TV sheet
QC-21	1-2013	100 mg/L	Spex	13852	50 µl	50 ml	see TV sheet

Internal Standards Mixed Solution (made daily). **Matrix = 1% nitric (2 mL conc. nitric to 200 mL final volume)**

Stock Solution	Stock Conc	Vendor	Bar Code	Stock Volume	Final Conc
Germanium	10 mg/L	Claritas	12704	4 mL	0.200 mg/L
* IS Multi-Mix	10 mg/L	Claritas	6403	0.8 mL	0.04 mg/L
Scandium	10 mg/L	Claritas	12703	2.0 mL	0.08 mg/L
Lithium 6	100 mg/L	Claritas	11126	2 mL	1.0 mg/L

MIN Mixed Stock Solution **Date made:** 2-2011
Matrix = 1% nitric (1 mL conc. nitric to 100 mL final volume) **Prepared by:** RC

Stock Solution	Stock Conc	Vendor	Bar Code	Stock Volume	Final Conc
Iron	10000 mg/L	High Purity	11886	10 mL	1000 mg/L
Calcium	10000 mg/L	High Purity	10171	10 mL	1000 mg/L
Magnesium	10000 mg/L	High Purity	10172	10 mL	1000 mg/L
Potassium	10000 mg/L	High Purity	11885	10 mL	1000 mg/L
Sodium	10000 mg/L	High Purity	11808	10 mL	1000 mg/L

CAL4 Mixed Stock Solution **Date made:** 5-2011
Matrix = 2% nitric 2%HCl (2 mL conc. to 100 mL final volume) **Prepared by:** RC
1ml of 10mg/L stock to 100mL for 100 µg/L

Stock Solution	Stock Conc	Vendor	Bar Code	Stock Volume	Final Conc
Bromide	1000 ppm	High Purity	10048	1 mL	10 mg/L
Boron	5000 ppm	High Purity	5508	0.2 mL	10 mg/L
Strontium	1000 ppm	High Purity	11882	1.0 mL	10 mg/L
Tin	10,000 ppm	High Purity	5616	0.1 ml	10 mg/L

**** CAL3 Mixed Stock Solution of 500 mL final volume** **Date made:** 1-12 **Prepared by:** RC

*Stock Solution	Stock Conc	Vendor	Bar Code	Stock Volume	Final Conc
2008 CAL-1	20 mg/L	Spex	13851	2.5 mL	100 µg/L
MIN	1000 mg/L	see above	see above	5 mL	10 mg/L
CAL-4	10 mg/L	see above	see above	5 ml (1ml of 10mg/l stock to 100mL to run as separate CAL-4 standard	100 µg/L run as separate standard: ☐

EPA - OASQA - ICP-MS Standard/Reagent Preparation

Perkin Elmer ELAN 6100

** Calibration Standards (made daily)			
Solution ID	**Prepared by diluting:**	**with IBL**	**CAL Final Conc. (CAL / MIN) (see true value sheet)**
CAL 1	CAL 2	5X	10 µg/L / 1 mg/L
CAL 2 / CCV	CAL 3	2X	50 µg/L / 5 mg/L
CAL 3	-	na	100 µg/L / 10 mg/L

LCV Standard Preparation (**made daily**) Matrix will be same as IBL.			
LCV Standard Preparation (**made daily**) Matrix will be same as IBL.			
Concentration (CAL / MIN) (see true value sheet)	**Prepared by diluting:**	**to Final volume with IBL**	**Used? √**
LCV (0.4 µg/L / 0.04 mg/L)	0.4 mL of CAL 1	10 mL	✓
LCV (0.8 µg/L / 0.08 mg/L)	0.8 mL of CAL 1	10 mL	✓
LCV (1.0 µg/L)	2x of LCV (2.0 µg/L)		
LCV (2.0 µg/L / 0.2 mg/L)	0.4 mL of CAL 2	10 mL	
LCV (4.0 µg/L / 0.4 mg/L)	0.4 mL of CAL 3	10 mL	

Reagent Acid Stocks					
	Vendor	**Bar Code**		**Vendor**	**Bar Code**
Nitric Acid	**Fisher**	**11152**	**HCl Acid**	**Fisher**	**11148**

Other solutions									
Solution	**Stock Solution**	**Stock Conc**	**Vendor**	**Bar Code**	**Stock Volume**	**Final Volume**	**Final Conc**	**Date/ Initials**	**Acid Conc**

* See Certificate of Analysis for analytes.

Certificates of Analysis Logbook #_____2_____

Comments:_____

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OASQA TRUE VALUES for ICP Standards and QC

CAL stock	ICP	CCV ±5% (ppm)	SCV ±5%/±10% (ppm) (First time ±5%, all others ±10%)	LCV ±30% (ppm)	BS/MS ±15/30% (ppm) (based on 0.5ml stock to 50 mL)	IFA1 ± 20% (ppm)	IFA2 ± 20% (ppm)	IFA2 ±20% (ppm)
AG	Ag	0.100	0.100	0.010	0.050			
B	Al	10.00	4.00	0.200	2.00	250 ((ag),as,cd, pb,sb,tl,zn)		
B	As	5.00	4.00	0.200	0.500			
A	Ba	2.50	4.00	0.200	2.00			
A	Be	2.50	4.00	0.005	0.050			
A	B	2.50	4.00	0.200	0.500			
B	Ca	25.00	4.00	0.500	10.00	250(al,b,cu,sn)		
A	Cd	2.50	4.00	0.005	0.050			
A	Co	2.50	4.00	0.050	0.500			
B	Cr	5.00	4.00	0.010	0.500			50 (as,be,cd,sb,zn)
B	Cu	5.00	4.00	0.025	0.500			20 (ag,pb,(cd))
B	Fe	10.00	4.00	0.100	5.00		250(as,ag,cd,cr,ni, pb,sb,tl,zn)	
B	K	25.00	40.00	2.000	20.00			
	Li	2.50*	4.00	0.200*	0.500			
B	Mg	25.00	4.00	0.500	10.00		250	
B	Mn	5.00	4.00	0.015	0.500			50 (b)
A	Mo	0.500	4.00	0.200	0.500			
B	Na	25.00	4.00	1.000	10.00		250	
B	Ni	5.00	4.00	0.040	0.500	50 (cd,cr,pb,sb)		
A	Pb	2.50	4.00	0.050	0.500			
A	Sb	2.50	4.00	0.060	0.500			
A	Se	2.50	4.00	0.200	0.500			
A	Sn	2.50	1.00*	0.200	0.500			
	Sr	2.50*	4.00	0.200*	0.500			
A	Ti	0.500	4.00	0.200	0.500			
A	Tl	2.50	4.00	0.200	0.500			
	U				0.500			
A	V	1.25	4.00	0.050	0.500			
B	Zn	10.00	4.00	0.020	0.500			

* need to be added separately

( ) = most likely analytes to be interfered with

I:\ASQAB_AT Team\FORMS\METALS\archive\TV table ICP metals.doc Jan 2012

TCLP ppm levels (As-5, Ba-100, Cd-1, Cr-5, Pb-5, Se-1, Ag-5)

ELAN 6100 Quantitative Analysis Calibration Report

File Name: EL120210.cal
File Path: C:\Elandata\System\EL120210.cal
Calibration Type: External Calibration
WO#: 1202004
SITE: DIMOCK

Calibration File Name

File Name EL120210.cal

Method File Name

File Name 2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Path C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Be r	9.012	Linear Thru Zero	0.00	0.00	0.999991
Li u	6.015	Linear Thru Zero	0.00	0.00	0.000000
Li	6.015	Linear Thru Zero	0.00	0.00	0.000000
Be	9.012	Linear Thru Zero	0.00	0.00	1.000000
B	11.009	Linear Thru Zero	0.00	0.00	0.999957
Al	26.982	Linear Thru Zero	0.02	0.00	0.999991
Sc	44.956	Linear Thru Zero	0.00	0.00	0.000000
V r	50.944	Linear Thru Zero	0.03	0.00	0.999998
V u	50.944	Linear Thru Zero	0.03	0.00	0.999990
Cr r	51.941	Linear Thru Zero	0.02	0.00	0.999997
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999879
Mn	54.938	Linear Thru Zero	0.04	0.00	0.999967
Co	58.933	Linear Thru Zero	0.03	0.00	0.999976
Ni r	59.933	Linear Thru Zero	0.01	0.00	0.999986
Ni	61.928	Linear Thru Zero	0.00	0.00	0.999987
Cu r	62.930	Linear Thru Zero	0.01	0.00	0.999992
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999956
Zn r	65.926	Linear Thru Zero	0.01	0.00	0.999910
Zn	66.927	Linear Thru Zero	0.00	0.00	0.999384
Zn	67.925	Linear Thru Zero	0.01	0.00	0.999876
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As r	74.922	Linear Thru Zero	0.01	0.00	0.999968
As u	74.922	Linear Thru Zero	0.01	0.00	0.999998
Se r	81.917	Linear Thru Zero	0.00	0.00	0.999882
Se	76.920	Linear Thru Zero	0.00	0.00	0.999973
Sr	87.906	Linear Thru Zero	0.17	0.00	0.999932
Ag r	106.905	Linear Thru Zero	0.04	0.00	0.999972
Ag	108.905	Linear Thru Zero	0.04	0.00	0.999998
Cd r	110.904	Linear Thru Zero	0.01	0.00	0.999987
Cd	105.907	Linear Thru Zero	0.00	0.00	0.999995
Cd	107.904	Linear Thru Zero	0.00	0.00	0.999963
Cd	113.904	Linear Thru Zero	0.02	0.00	0.999992
Cd u	110.904	Linear Thru Zero	0.01	0.00	0.999985
In	114.904	Linear Thru Zero	0.00	0.00	0.000000
Sb r	122.904	Linear Thru Zero	0.02	0.00	0.999965
Sb	120.904	Linear Thru Zero	0.03	0.00	0.999962
Sn	117.902	Linear Thru Zero	0.02	0.00	0.999982
Sn r	119.902	Linear Thru Zero	0.03	0.00	1.000000
Ba r	136.905	Linear Thru Zero	0.01	0.00	0.999986

Ba	134.906	Linear Thru Zero	0.01	0.00	0.999995
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Tl r	204.975	Linear Thru Zero	0.06	0.00	1.000000
Tl	202.972	Linear Thru Zero	0.03	0.00	0.999999
U	238.050	Linear Thru Zero	0.11	0.00	0.999908
Pb	207.977	Linear Thru Zero	0.08	0.00	0.999953
Na	22.990	Linear Thru Zero	18.40	0.00	0.999999
Mg	23.985	Linear Thru Zero	13.00	0.00	0.999998
K	38.964	Linear Thru Zero	31.88	0.00	0.999984
Ca	43.956	Linear Thru Zero	0.88	0.00	0.998516
Fe	53.940	Linear Thru Zero	2.15	0.00	0.999356
Sc-1	44.956	Linear Thru Zero	0.00	0.00	0.000000
Kr	82.914	Linear Thru Zero	0.00	0.00	0.000000
Cl	34.969	Linear Thru Zero	0.00	0.00	0.000000
C	12.000	Linear Thru Zero	0.00	0.00	0.000000
Y	88.905	Linear Thru Zero	0.00	0.00	0.000000
Br	78.918	Linear Thru Zero	0.00	0.00	0.999994
Br	80.916	Linear Thru Zero	0.00	0.00	0.999861
Ge-1	71.922	Linear Thru Zero	0.00	0.00	0.000000
Ru	98.906	Linear Thru Zero	0.00	0.00	0.000000
Pd	104.905	Linear Thru Zero	0.00	0.00	0.000000
Ho	164.930	Linear Thru Zero	0.00	0.00	0.000000
Th	232.038	Linear Thru Zero	17256.14	0.00	0.999796
Mo	94.906	Linear Thru Zero	0.01	0.00	0.999982
Mo	96.906	Linear Thru Zero	0.01	0.00	0.999960
Mo r	97.906	Linear Thru Zero	0.02	0.00	0.999960
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
In-1	114.904	Linear Thru Zero	0.00	0.00	0.000000
Ti	46.952	Linear Thru Zero	0.00	0.00	0.000000
Li	7.016	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	MassCorrections
Li	6.015-0.0811*Li 7
V r	50.944-2.95*(ClO53 -(0.113*Cr52))
As r	74.922-3.127*(ArCl 77-(0.873*Se 82))
Se r	81.917-1.008696*kr83
Se	76.920 - 1.007833 * Kr 83
Cd r	110.904-1.073*(MoO 108 - (0.712*Pd 106))
Cd	105.907 - 1.223914 * Pd 105
Cd	107.904 - 1.184953 * Pd 105
Cd	113.904 - 0.026826 * Sn 118
In	114.904 - 0.014032 * Sn 118
Sb r	122.904 - 0.127189 * Te 125
Pb	207.977+1*Pb 206 + 1*Pb 207
Fe	53.940 - 0.028226 * Cr 52
Mo r	97.906 - 0.110588 * Ru 101
In-1	114.904 - 0.014032 * Sn 118

Tuning File Name

Tuning File Name epa.tun
Tuning File Path C:\Elandata\Tuning\epa.tun

Tuning File

Analyte	E Mass	Meas Mass	Mass C DAC Val	Res DAC Value	Meas Peak W	Custom Res
He	3.016	2.975	607	2080	0.640	
Mg	23.985	23.979	5707	2040	0.655	
Rh	102.905	102.929	24973	1980	0.656	
Ce	139.905	139.929	33969	2030	0.630	
Pb	207.977	207.979	50424	2220	0.663	
U	238.050	238.027	57666	2350	0.692	

ELAN 6100 Daily Performance Report

Sample ID: Sample
Sample Date/Time: Tuesday, February 14, 2012 08:21:54
Sample Description:
Method File: C:\Elandata\Method\EPA\epa Daily.mth
Dataset File: C:\Elandata\Dataset\Daily Performance\Sample.127
Tuning File: C:\Elandata\Tuning\epa.tun
Optimization File: C:\Elandata\Optimize\epa.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 65
Current Dead Time (ns): 65

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Be	9.0	3433.6	3433.566	75.559	2.2
	Co	58.9	88346.7	88346.660	2087.915	2.4
	Mg	24.0	41231.3	41231.312	871.053	2.1
	Rh	102.9	165915.1	165915.074	3011.291	1.8
	In	114.9	198341.6	198341.601	3705.605	1.9
	Pb	208.0	91854.4	91854.408	2463.080	2.7
⌈>	Ba	137.9	154352.7	154352.691	2822.576	1.8
⌊	Ba++	69.0	2559.3	0.017	0.000	1.3
⌈>	Ce	139.9	197798.7	197798.746	3089.530	1.6
⌊	CeO	155.9	6010.9	0.030	0.001	4.1
	Bkgd	220.0	1.1	1.067	0.596	55.9
	C	12.0	445921.8	445921.790	6571.864	1.5
	C	13.0	6708.7	6708.659	146.630	2.2
	U	238.1	229931.8	229931.804	6036.619	2.6
	Kr	83.9	1463.6	1463.588	23.910	1.6
	Kr	82.9	295.1	295.055	6.049	2.1

Current Optimization File Data

Current Value	Description
0.89	Nebulizer Gas Flow
7.00	Lens Voltage
1100.00	ICP RF Power
-2250.00	Analog Stage Voltage
1900.00	Pulse Stage Voltage
70.00	Discriminator Threshold
-6.00	AC Rod Offset

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	29	7.3	3487.8
Co	59	29	8.0	71251.5
In	115	29	8.8	157632.7

Instrument Tuning Report

File Name: epa.tun
File Path: C:\Elandata\Tuning\epa.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
He	3.016	3.025	616	2080	0.637	
Mg	23.985	24.029	5709	2040	0.655	
Rh	102.905	102.928	24968	1980	0.672	
Ce	139.905	139.878	33964	2030	0.631	
Pb	207.977	207.928	50424	2220	0.669	
U	238.050	238.076	57672	2350	0.687	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: Blank

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 08:32:40
Dataset File: C:\Elandata\Dataset\EL120214\Blank.001
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	3.000			ug/L	
|>	Li u	6	380995.454			ug/L	
L	Li	6	379020.175			ug/L	
⌈	Be	9	3.000			ug/L	
|	B	11	130.669			ug/L	
|	Al	27	1677.869			ug/L	
|>	Sc	45	327856.065			ug/L	
|	V r	51	-2616.253			ug/L	
|	V u	51	88715.200			ug/L	
|	Cr r	52	9636.466			ug/L	
|	Cr	53	31170.806			ug/L	
|	Mn	55	412.015			ug/L	
|	Co	59	36.667			ug/L	
|	Ni r	60	79.668			ug/L	
|	Ni	62	84.335			ug/L	
|	Cu r	63	304.009			ug/L	
L	Cu	65	136.669			ug/L	
⌈	Zn r	66	1922.989			ug/L	
|	Zn	67	1194.438			ug/L	
|	Zn	68	1485.860			ug/L	
|>	Ge	72	98084.265			ug/L	
|	As r	75	-305.567			ug/L	
|	As u	75	6828.433			ug/L	
|	Se r	82	10.757			ug/L	
|	Se	77	2204.593			ug/L	
L	Sr	88	143.336			ug/L	
⌈	Ag r	107	46.667			ug/L	
|	Ag	109	34.334			ug/L	
|	Cd r	111	162.535			ug/L	
|	Cd	106	-2411.538			ug/L	
|	Cd	108	-2519.621			ug/L	
|	Cd	114	33.164			ug/L	
|	Cd u	111	17.334			ug/L	
|>	In	115	196862.283			ug/L	
|	Sb r	123	43.746			ug/L	
L	Sb	121	55.334			ug/L	

⌈	Sn	118	143.003	ug/L
|	Sn r	120	193.338	ug/L
|	Ba r	137	34.000	ug/L
|	Ba	135	24.000	ug/L
|>	Tb	159	232188.505	ug/L
|	Tl r	205	232.339	ug/L
|	Tl	203	100.668	ug/L
|	U	238	28.000	ug/L
L	Pb	208	1121.379	ug/L
⌈	Na	23	32434.323	mg/L
|	Mg	24	472.353	mg/L
|	K	39	476240.797	mg/L
|	Ca	44	10489.589	mg/L
|	Fe	54	24752.231	mg/L
L>	Sc-1	45	327856.065	ug/L
	Kr	83	143.003	ug/L
	Cl	35	27892375.136	mg/L
	C	12	350688.716	mg/L
	Y	89	188098.968	ug/L
⌈	Br	79	1936.930	ug/L
|	Br	81	14517.167	ug/L
L>	Ge-1	72	98084.265	ug/L
	Ru	99	2.000	ug/L
	Pd	105	2128.316	ug/L
	Ho	165	226883.592	ug/L
	Th	232	75.334	ug/L
⌈	Mo	95	97.668	ug/L
|	Mo	97	53.001	ug/L
|	Mo r	98	136.078	ug/L
|	Rh	103	14.333	ug/L
L>	In-1	115	196862.283	ug/L
	Ti	47	193.338	ug/L
	Li	7	24356.081	mg/L

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: Blank

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 08:38:16
Dataset File: C:\Elandata\Dataset\EL120214\Blank.002
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333			ug/L	
|>	Li u	6	373974.845			ug/L	
⌊	Li	6	372040.788			ug/L	
⌈	Be	9	1.333			ug/L	
|	B	11	99.335			ug/L	
|	Al	27	1258.449			ug/L	
|>	Sc	45	326012.180			ug/L	
|	V r	51	-1619.789			ug/L	
|	V u	51	100332.614			ug/L	
|	Cr r	52	9993.255			ug/L	
|	Cr	53	35155.627			ug/L	
|	Mn	55	408.348			ug/L	
|	Co	59	28.334			ug/L	
|	Ni r	60	67.668			ug/L	
|	Ni	62	89.335			ug/L	
|	Cu r	63	190.004			ug/L	
⌊	Cu	65	92.335			ug/L	
⌈	Zn r	66	269.007			ug/L	
|	Zn	67	1678.202			ug/L	
|	Zn	68	340.011			ug/L	
|>	Ge	72	98142.756			ug/L	
|	As r	75	-144.551			ug/L	
|	As u	75	7238.477			ug/L	
|	Se r	82	-0.290			ug/L	
|	Se	77	2359.603			ug/L	
⌊	Sr	88	127.002			ug/L	
⌈	Ag r	107	29.667			ug/L	
|	Ag	109	23.334			ug/L	
|	Cd r	111	162.767			ug/L	
|	Cd	106	-2408.095			ug/L	
|	Cd	108	-2520.806			ug/L	
|	Cd	114	30.477			ug/L	
|	Cd u	111	14.000			ug/L	
|>	In	115	201011.882			ug/L	
|	Sb r	123	36.661			ug/L	
⌊	Sb	121	52.334			ug/L	

⌈	Sn	118	131.336	ug/L
|	Sn r	120	184.004	ug/L
|	Ba r	137	34.667	ug/L
|	Ba	135	19.000	ug/L
|>	Tb	159	237352.059	ug/L
|	Tl r	205	234.006	ug/L
|	Tl	203	95.002	ug/L
|	U	238	14.333	ug/L
⌊	Pb	208	699.353	ug/L
⌈	Na	23	27097.287	mg/L
|	Mg	24	405.348	mg/L
|	K	39	467869.939	mg/L
|	Ca	44	11211.945	mg/L
|	Fe	54	24278.329	mg/L
⌊>	Sc-1	45	326012.180	ug/L
	Kr	83	148.336	ug/L
	Cl	35	27454688.427	mg/L
	C	12	345074.031	mg/L
	Y	89	189640.829	ug/L
⌈	Br	79	2019.619	ug/L
|	Br	81	14687.828	ug/L
⌊>	Ge-1	72	98142.756	ug/L
	Ru	99	1.333	ug/L
	Pd	105	2129.316	ug/L
	Ho	165	233253.622	ug/L
	Th	232	71.001	ug/L
⌈	Mo	95	97.335	ug/L
|	Mo	97	68.668	ug/L
|	Mo r	98	155.226	ug/L
|	Rh	103	7.333	ug/L
⌊>	In-1	115	201011.882	ug/L
	Ti	47	195.338	ug/L
	Li	7	23847.814	mg/L

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: Standard 1

Sample Description:
Autosampler Position: 2
Sample Date/Time: Tuesday, February 14, 2012 08:43:28
Dataset File: C:\Elandata\Dataset\EL120214\Standard 1.003
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	3405.455	1.333	10.000	ug/L	1.489
|>	Li u	6	361143.052	373974.845		ug/L	
⌊	Li	6	359240.287	372040.788		ug/L	
⌈	Be	9	3405.455	1.333	10.000	ug/L	1.466
|	B	11	4303.913	99.335	10.000	ug/L	0.341
|	Al	27	42121.809	1258.449	10.000	ug/L	2.511
|>	Sc	45	324297.929	326012.180		ug/L	
|	V r	51	72935.198	-1619.789	10.000	ug/L	3.377
|	V u	51	172164.362	100332.614	10.000	ug/L	2.468
|	Cr r	52	72239.011	9993.255	10.000	ug/L	0.687
|	Cr	53	41148.845	35155.627	10.000	ug/L	7.353
|	Mn	55	101589.481	408.348	10.000	ug/L	1.424
|	Co	59	71736.724	28.334	10.000	ug/L	2.172
|	Ni r	60	14969.369	67.668	10.000	ug/L	2.009
|	Ni	62	2166.660	89.335	10.000	ug/L	1.270
|	Cu r	63	30631.848	190.004	10.000	ug/L	1.729
⌊	Cu	65	14084.024	92.335	10.000	ug/L	1.934
⌈	Zn r	66	8698.338	269.007	10.000	ug/L	2.503
|	Zn	67	3608.883	1678.202	10.000	ug/L	8.629
|	Zn	68	6554.858	340.011	10.000	ug/L	2.259
|>	Ge	72	98079.300	98142.756		ug/L	
|	As r	75	10738.708	-144.551	10.000	ug/L	2.898
|	As u	75	16627.795	7238.477	10.000	ug/L	4.117
|	Se r	82	1292.683	-0.290	10.000	ug/L	1.433
|	Se	77	2879.602	2359.603	10.000	ug/L	29.098
⌊	Sr	88	139684.024	127.002	10.000	ug/L	0.650
⌈	Ag r	107	58797.447	29.667	10.000	ug/L	0.109
|	Ag	109	55769.668	23.334	10.000	ug/L	1.259
|	Cd r	111	14408.412	162.767	10.000	ug/L	1.647
|	Cd	106	-1117.053	-2408.095	10.000	ug/L	10.214
|	Cd	108	-1555.019	-2520.806	10.000	ug/L	8.813
|	Cd	114	33274.787	30.477	10.000	ug/L	0.542
|	Cd u	111	14316.789	14.000	10.000	ug/L	1.807
|>	In	115	199342.586	201011.882		ug/L	
|	Sb r	123	34818.881	36.661	10.000	ug/L	0.996
⌊	Sb	121	46057.272	52.334	10.000	ug/L	0.458

⌈	Sn	118	42559.849	131.336	**10.000**	ug/L	0.831
|	Sn r	120	57956.768	184.004	**10.000**	ug/L	0.612
|	Ba r	137	21660.672	34.667	**10.000**	ug/L	0.811
|	Ba	135	12385.755	19.000	**10.000**	ug/L	0.872
|>	Tb	159	231990.336	237352.059		ug/L	
|	Tl r	205	130245.273	234.006	**10.000**	ug/L	2.207
|	Tl	203	53316.048	95.002	**10.000**	ug/L	2.302
|	U	238	210625.692	14.333	**10.000**	ug/L	1.818
⌊	Pb	208	179300.989	699.353	**10.000**	ug/L	0.308
⌈	Na	23	4694078.350	27097.287	**1.000**	mg/L	0.730
|	Mg	24	3312292.429	405.348	**1.000**	mg/L	0.905
|	K	39	8641199.497	467869.939	**1.000**	mg/L	0.552
|	Ca	44	217251.030	11211.945	**1.000**	mg/L	0.737
|	Fe	54	527886.154	24278.329	**1.000**	mg/L	1.809
⌊>	Sc-1	45	324297.929	326012.180		ug/L	
	Kr	83	129.669	148.336		ug/L	
	Cl	35	27363090.075	27454688.427		mg/L	
	C	12	351390.236	345074.031		mg/L	
	Y	89	185296.489	189640.829		ug/L	
⌈	Br	79	4211.528	2019.619	**10.000**	ug/L	3.035
|	Br	81	16914.751	14687.828	**10.000**	ug/L	16.741
⌊>	Ge-1	72	98079.300	98142.756		ug/L	
	Ru	99	4.000	1.333		ug/L	
	Pd	105	2150.656	2129.316		ug/L	
	Ho	165	227068.744	233253.622		ug/L	
	Th	232	189506.051	71.001	**10.000**	ug/L	2.497
⌈	Mo	95	21195.039	97.335	**10.000**	ug/L	0.502
|	Mo	97	13593.137	68.668	**10.000**	ug/L	1.730
|	Mo r	98	35192.936	155.226	**10.000**	ug/L	0.812
|	Rh	103	15.334	7.333		ug/L	
⌊>	In-1	115	199342.586	201011.882		ug/L	
	Ti	47	226.672	195.338		ug/L	
	Li	7	23461.968	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: Standard 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 08:48:41
Dataset File: C:\Elandata\Dataset\EL120214\Standard 2.004
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	16023.165	1.333	**49.904**	ug/L	0.275
|>	Li u	6	356925.296	373974.845		ug/L	
⌊	Li	6	355077.059	372040.788		ug/L	
⌈	Be	9	16023.165	1.333	**49.893**	ug/L	0.643
|	B	11	20173.620	99.335	**49.921**	ug/L	1.039
|	Al	27	206622.294	1258.449	**50.021**	ug/L	1.157
|>	Sc	45	322377.380	326012.180		ug/L	
|	V r	51	349003.257	-1619.789	**49.892**	ug/L	2.912
|	V u	51	443832.158	100332.614	**49.917**	ug/L	2.871
|	Cr r	52	302733.634	9993.255	**49.890**	ug/L	1.879
|	Cr	53	65799.231	35155.627	**50.020**	ug/L	3.114
|	Mn	55	467665.482	408.348	**49.854**	ug/L	1.851
|	Co	59	325653.709	28.334	**49.819**	ug/L	1.790
|	Ni r	60	67318.627	67.668	**49.806**	ug/L	0.675
|	Ni	62	9800.338	89.335	**49.879**	ug/L	2.094
|	Cu r	63	135894.676	190.004	**49.780**	ug/L	1.530
⌊	Cu	65	63306.736	92.335	**49.808**	ug/L	1.237
⌈	Zn r	66	38410.379	269.007	**49.905**	ug/L	0.105
|	Zn	67	9053.081	1678.202	**49.560**	ug/L	0.942
|	Zn	68	28358.465	340.011	**49.897**	ug/L	0.718
|>	Ge	72	93205.545	98142.756		ug/L	
|	As r	75	50132.106	-144.551	**49.945**	ug/L	0.665
|	As u	75	52690.705	7238.477	**50.050**	ug/L	0.388
|	Se r	82	5649.639	-0.290	**49.833**	ug/L	2.192
|	Se	77	5807.887	2359.603	**50.596**	ug/L	4.152
⌊	Sr	88	637145.328	127.002	**49.921**	ug/L	1.667
⌈	Ag r	107	263476.435	29.667	**49.931**	ug/L	1.700
|	Ag	109	250257.266	23.334	**49.933**	ug/L	2.078
|	Cd r	111	65163.673	162.767	**49.966**	ug/L	2.038
|	Cd	106	3501.650	-2408.095	**49.939**	ug/L	3.313
|	Cd	108	1967.261	-2520.806	**49.956**	ug/L	2.997
|	Cd	114	149650.419	30.477	**49.938**	ug/L	1.850
|	Cd u	111	65313.792	14.000	**49.966**	ug/L	1.965
|>	In	115	185231.693	201011.882		ug/L	
|	Sb r	123	159884.047	36.661	**49.979**	ug/L	1.216
⌊	Sb	121	210513.800	52.334	**49.971**	ug/L	1.823

⌈	Sn	118	193650.663	131.336	**49.886**	ug/L	3.063
|	Sn r	120	265320.378	184.004	**49.898**	ug/L	1.997
|	Ba r	137	99281.285	34.667	**49.898**	ug/L	1.186
|	Ba	135	57035.261	19.000	**49.907**	ug/L	1.475
|>	Tb	159	224265.647	237352.059		ug/L	
|	Tl r	205	593538.089	234.006	**49.887**	ug/L	1.622
|	Tl	203	242222.678	95.002	**49.881**	ug/L	1.540
|	U	238	955546.681	14.333	**49.875**	ug/L	1.241
⌊	Pb	208	804689.946	699.353	**49.859**	ug/L	1.984
⌈	Na	23	22961258.564	27097.287	**4.998**	mg/L	1.184
|	Mg	24	15981822.559	405.348	**4.994**	mg/L	0.580
|	K	39	40253704.727	467869.939	**4.996**	mg/L	0.944
|	Ca	44	985068.236	11211.945	**4.990**	mg/L	1.005
|	Fe	54	2924491.967	24278.329	**5.026**	mg/L	0.518
⌊>	Sc-1	45	322377.380	326012.180		ug/L	
	Kr	83	145.670	148.336		ug/L	
	Cl	35	27197039.860	27454688.427		mg/L	
	C	12	355975.389	345074.031		mg/L	
	Y	89	176533.468	189640.829		ug/L	
⌈	Br	79	12318.646	2019.619	**49.996**	ug/L	1.512
|	Br	81	24083.555	14687.828	**49.906**	ug/L	2.711
⌊>	Ge-1	72	93205.545	98142.756		ug/L	
	Ru	99	17.667	1.333		ug/L	
	Pd	105	2123.648	2129.316		ug/L	
	Ho	165	219321.550	233253.622		ug/L	
	Th	232	892451.825	71.001	**49.882**	ug/L	1.173
⌈	Mo	95	97709.972	97.335	**49.993**	ug/L	2.751
|	Mo	97	62292.829	68.668	**49.982**	ug/L	2.374
|	Mo r	98	163618.089	155.226	**50.009**	ug/L	2.488
|	Rh	103	44.667	7.333		ug/L	
⌊>	In-1	115	185231.693	201011.882		ug/L	
	Ti	47	256.007	195.338		ug/L	
	Li	7	22789.603	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: Standard 3

Sample Description:
Autosampler Position: 4
Sample Date/Time: Tuesday, February 14, 2012 08:53:55
Dataset File: C:\Elandata\Dataset\EL120214\Standard 3.005
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	30535.124	1.333	100.379	ug/L	0.553
|>	Li u	6	333242.423	373974.845		ug/L	
⌊	Li	6	331496.532	372040.788		ug/L	
⌈	Be	9	30535.124	1.333	100.220	ug/L	1.273
|	B	11	38472.716	99.335	100.299	ug/L	3.286
|	Al	27	400378.638	1258.449	100.673	ug/L	0.596
|>	Sc	45	303285.507	326012.180		ug/L	
|	V r	51	682784.236	-1619.789	100.700	ug/L	0.733
|	V u	51	775348.603	100332.614	100.990	ug/L	0.711
|	Cr r	52	573434.204	9993.255	100.435	ug/L	0.847
|	Cr	53	95772.147	35155.627	101.559	ug/L	1.695
|	Mn	55	888620.323	408.348	100.148	ug/L	0.007
|	Co	59	615103.696	28.334	100.003	ug/L	0.402
|	Ni r	60	127071.352	67.668	99.995	ug/L	0.311
|	Ni	62	18083.747	89.335	99.636	ug/L	0.341
|	Cu r	63	254419.101	190.004	99.819	ug/L	0.605
⌊	Cu	65	117156.944	92.335	99.590	ug/L	0.795
⌈	Zn r	66	71797.244	269.007	99.973	ug/L	1.757
|	Zn	67	15137.030	1678.202	99.304	ug/L	0.765
|	Zn	68	52964.926	340.011	100.004	ug/L	1.978
|>	Ge	72	87357.143	98142.756		ug/L	
|	As r	75	95824.911	-144.551	100.349	ug/L	0.475
|	As u	75	95858.579	7238.477	100.842	ug/L	0.571
|	Se r	82	10874.835	-0.290	100.475	ug/L	1.397
|	Se	77	9490.747	2359.603	102.239	ug/L	3.428
⌊	Sr	88	1208940.074	127.002	100.221	ug/L	1.541
⌈	Ag r	107	493017.987	29.667	100.499	ug/L	0.993
|	Ag	109	463585.486	23.334	100.292	ug/L	0.179
|	Cd r	111	122065.769	162.767	100.556	ug/L	0.612
|	Cd	106	8813.648	-2408.095	100.744	ug/L	0.324
|	Cd	108	5907.380	-2520.806	100.496	ug/L	1.051
|	Cd	114	278679.633	30.477	100.403	ug/L	0.592
|	Cd u	111	122363.859	14.000	100.538	ug/L	0.569
|>	In	115	168879.454	201011.882		ug/L	
|	Sb r	123	298763.950	36.661	100.491	ug/L	0.605
⌊	Sb	121	395623.731	52.334	100.602	ug/L	0.326

⌈	Sn	118	362377.963	131.336	**100.824**	ug/L	0.369
|	Sn r	120	495719.511	184.004	**100.800**	ug/L	1.185
|	Ba r	137	183948.061	34.667	**100.630**	ug/L	0.363
|	Ba	135	105838.324	19.000	**100.664**	ug/L	0.559
|>	Tb	159	201049.389	237352.059		ug/L	
|	Tl r	205	1096635.998	234.006	**102.818**	ug/L	0.193
|	Tl	203	453190.092	95.002	**104.106**	ug/L	1.191
|	U	238	1755212.695	14.333	**100.441**	ug/L	0.788
⌊	Pb	208	1478206.103	699.353	**100.444**	ug/L	0.469
⌈	Na	23	44787027.990	27097.287	**10.074**	mg/L	1.824
|	Mg	24	31672763.180	405.348	**10.103**	mg/L	1.245
|	K	39	78815227.271	467869.939	**10.092**	mg/L	1.425
|	Ca	44	1902448.238	11211.945	**10.061**	mg/L	0.712
|	Fe	54	5798144.174	24278.329	**10.640**	mg/L	1.720
⌊>	Sc-1	45	303285.507	326012.180		ug/L	
	Kr	83	131.669	148.336		ug/L	
	Cl	35	27472737.364	27454688.427		mg/L	
	C	12	370594.590	345074.031		mg/L	
	Y	89	164868.526	189640.829		ug/L	
⌈	Br	79	22271.085	2019.619	**100.995**	ug/L	1.761
|	Br	81	34100.106	14687.828	**101.997**	ug/L	2.511
⌊>	Ge-1	72	87357.143	98142.756		ug/L	
	Ru	99	23.000	1.333		ug/L	
	Pd	105	2059.630	2129.316		ug/L	
	Ho	165	197457.909	233253.622		ug/L	
	Th	232	1642985.377	71.001	**98.199**	ug/L	1.509
⌈	Mo	95	189006.245	97.335	**101.196**	ug/L	0.137
|	Mo	97	120138.160	68.668	**101.134**	ug/L	0.081
|	Mo r	98	312343.150	155.226	**100.938**	ug/L	0.230
|	Rh	103	95.668	7.333		ug/L	
⌊>	In-1	115	168879.454	201011.882		ug/L	
	Ti	47	289.342	195.338		ug/L	
	Li	7	21527.630	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 08:59:19
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 2.006
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	15343.775	1.333	**50.658**	ug/L	1.137
|>	Li u	6	331794.969	373974.845		ug/L	
L	Li	6	330061.223	372040.788		ug/L	
⌈	Be	9	15343.775	1.333	**51.275**	ug/L	2.538
|	B	11	19442.405	99.335	**51.489**	ug/L	3.315
|	Al	27	196958.335	1258.449	**50.273**	ug/L	1.142
|>	Sc	45	297915.723	326012.180		ug/L	
|	V r	51	334324.682	-1619.789	**50.316**	ug/L	1.478
|	V u	51	420547.657	100332.614	**49.588**	ug/L	2.671
|	Cr r	52	286726.609	9993.255	**50.319**	ug/L	1.396
|	Cr	53	61051.599	35155.627	**47.439**	ug/L	4.837
|	Mn	55	444024.397	408.348	**50.936**	ug/L	2.350
|	Co	59	307636.548	28.334	**50.932**	ug/L	3.042
|	Ni r	60	62968.659	67.668	**50.431**	ug/L	2.151
|	Ni	62	9148.529	89.335	**51.099**	ug/L	2.124
|	Cu r	63	128503.125	190.004	**51.299**	ug/L	1.782
L	Cu	65	60112.235	92.335	**51.994**	ug/L	2.170
⌈	Zn r	66	36631.383	269.007	**51.395**	ug/L	0.797
|	Zn	67	8768.417	1678.202	**53.639**	ug/L	1.460
|	Zn	68	27044.730	340.011	**51.335**	ug/L	0.607
|>	Ge	72	86416.903	98142.756		ug/L	
|	As r	75	47336.661	-144.551	**50.180**	ug/L	0.234
|	As u	75	49141.628	7238.477	**48.758**	ug/L	0.320
|	Se r	82	5367.828	-0.290	**50.139**	ug/L	1.284
|	Se	77	5222.843	2359.603	**43.973**	ug/L	2.484
L	Sr	88	607194.437	127.002	**50.881**	ug/L	0.997
⌈	Ag r	107	246712.050	29.667	**51.261**	ug/L	0.655
|	Ag	109	233782.015	23.334	**51.556**	ug/L	0.989
|	Cd r	111	59992.249	162.767	**50.324**	ug/L	0.804
|	Cd	106	3378.454	-2408.095	**50.824**	ug/L	1.260
|	Cd	108	2007.490	-2520.806	**52.149**	ug/L	1.251
|	Cd	114	138213.905	30.477	**50.758**	ug/L	0.753
|	Cd u	111	60206.967	14.000	**50.424**	ug/L	0.933
|>	In	115	165666.720	201011.882		ug/L	
|	Sb r	123	149547.668	36.661	**51.273**	ug/L	0.363
L	Sb	121	196173.964	52.334	**50.847**	ug/L	0.028

⌈	Sn	118	178720.920	131.336	**50.137**	ug/L	1.815
|	Sn r	120	245544.338	184.004	**50.339**	ug/L	0.968
|	Ba r	137	91204.079	34.667	**50.314**	ug/L	1.609
|	Ba	135	53058.224	19.000	**50.892**	ug/L	1.627
|>	Tb	159	199359.145	237352.059		ug/L	
|	Tl r	205	545927.200	234.006	**51.611**	ug/L	0.769
|	Tl	203	220698.927	95.002	**51.114**	ug/L	0.509
|	U	238	867221.376	14.333	**50.049**	ug/L	0.476
⌊	Pb	208	734531.640	699.353	**50.317**	ug/L	0.592
⌈	Na	23	22387169.899	27097.287	**5.124**	mg/L	1.041
|	Mg	24	15889098.329	405.348	**5.160**	mg/L	0.548
|	K	39	39812366.360	467869.939	**5.163**	mg/L	2.048
|	Ca	44	944315.350	11211.945	**5.057**	mg/L	0.846
|	Fe	54	2894271.095	24278.329	**5.387**	mg/L	2.374
⌊>	Sc-1	45	297915.723	326012.180		ug/L	
	Kr	83	137.336	148.336		ug/L	
	Cl	35	26996019.830	27454688.427		mg/L	
	C	12	347233.064	345074.031		mg/L	
	Y	89	163646.795	189640.829		ug/L	
⌈	Br	79	11968.758	2019.619	**50.810**	ug/L	1.101
|	Br	81	23129.962	14687.828	**49.996**	ug/L	3.146
⌊>	Ge-1	72	86416.903	98142.756		ug/L	
	Ru	99	15.334	1.333		ug/L	
	Pd	105	1907.589	2129.316		ug/L	
	Ho	165	193293.197	233253.622		ug/L	
	Th	232	819049.145	71.001	**48.951**	ug/L	1.334
⌈	Mo	95	93958.619	97.335	**51.262**	ug/L	0.556
|	Mo	97	59085.644	68.668	**50.681**	ug/L	0.355
|	Mo r	98	153352.143	155.226	**50.498**	ug/L	0.328
|	Rh	103	45.667	7.333		ug/L	
⌊>	In-1	115	165666.720	201011.882		ug/L	
	Ti	47	213.005	195.338		ug/L	
	Li	7	21377.880	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 4

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 09:04:31
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 4.007
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	0.001	ug/L	129.403
|>	Li u	6	341216.604	373974.845		ug/L	
L	Li	6	339415.652	372040.788		ug/L	
⌈	Be	9	1.667	1.333	0.002	ug/L	127.586
|	B	11	298.009	99.335	0.554	ug/L	21.906
|	Al	27	1106.424	1258.449	-0.010	ug/L	44.850
|>	Sc	45	296660.882	326012.180		ug/L	
|	V r	51	-1441.441	-1619.789	0.004	ug/L	8792.156
|	V u	51	85243.855	100332.614	-0.916	ug/L	64.467
|	Cr r	52	7550.119	9993.255	-0.281	ug/L	26.349
|	Cr	53	29383.384	35155.627	-4.288	ug/L	53.898
|	Mn	55	375.346	408.348	0.000	ug/L	399.065
|	Co	59	59.001	28.334	0.006	ug/L	15.776
|	Ni r	60	59.334	67.668	-0.002	ug/L	473.432
|	Ni	62	85.668	89.335	0.025	ug/L	516.226
|	Cu r	63	203.671	190.004	0.012	ug/L	32.629
L	Cu	65	97.668	92.335	0.012	ug/L	24.236
⌈	Zn r	66	160.337	269.007	-0.113	ug/L	26.370
|	Zn	67	2422.072	1678.202	6.539	ug/L	9.974
|	Zn	68	325.343	340.011	0.035	ug/L	12.579
|>	Ge	72	88479.907	98142.756		ug/L	
|	As r	75	103.256	-144.551	0.242	ug/L	22.387
|	As u	75	3675.249	7238.477	-3.172	ug/L	6.282
|	Se r	82	15.276	-0.290	0.142	ug/L	44.311
|	Se	77	1170.166	2359.603	-13.063	ug/L	7.239
L	Sr	88	164.337	127.002	0.004	ug/L	44.856
⌈	Ag r	107	80.668	29.667	0.011	ug/L	49.073
|	Ag	109	69.334	23.334	0.010	ug/L	34.964
|	Cd r	111	164.320	162.767	0.018	ug/L	87.296
|	Cd	106	-2203.910	-2408.095	-0.978	ug/L	101.219
|	Cd	108	-2325.025	-2520.806	-1.595	ug/L	78.025
|	Cd	114	28.801	30.477	0.001	ug/L	647.817
|	Cd u	111	14.333	14.000	0.002	ug/L	59.737
|>	In	115	174979.648	201011.882		ug/L	
|	Sb r	123	50.577	36.661	0.006	ug/L	30.685
L	Sb	121	75.001	52.334	0.007	ug/L	43.153

⌈	Sn	118	218.672	131.336	**0.029**	ug/L	23.844
|	Sn r	120	302.676	184.004	**0.029**	ug/L	23.016
|	Ba r	137	40.001	34.667	**0.005**	ug/L	87.110
|	Ba	135	26.667	19.000	**0.010**	ug/L	17.881
|>	Tb	159	205387.090	237352.059		ug/L	
|	Tl r	205	2960.633	234.006	**0.253**	ug/L	30.524
|	Tl	203	1219.448	95.002	**0.255**	ug/L	30.531
|	U	238	135.669	14.333	**0.007**	ug/L	6.601
⌊	Pb	208	595.348	699.353	**-0.001**	ug/L	310.771
⌈	Na	23	26680.538	27097.287	**0.000**	mg/L	151.383
|	Mg	24	1597.849	405.348	**0.000**	mg/L	3.552
|	K	39	429168.325	467869.939	**0.000**	mg/L	41.951
|	Ca	44	10155.134	11211.945	**-0.000**	mg/L	204.412
|	Fe	54	21903.193	24278.329	**-0.000**	mg/L	67.022
⌊>	Sc-1	45	296660.882	326012.180		ug/L	
	Kr	83	121.669	148.336		ug/L	
	Cl	35	26394313.412	27454688.427		mg/L	
	C	12	316232.127	345074.031		mg/L	
	Y	89	168808.238	189640.829		ug/L	
⌈	Br	79	1953.935	2019.619	**0.646**	ug/L	43.992
|	Br	81	13145.023	14687.828	**-0.467**	ug/L	95.510
⌊>	Ge-1	72	88479.907	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1964.937	2129.316		ug/L	
	Ho	165	199211.743	233253.622		ug/L	
	Th	232	655.702	71.001	**0.035**	ug/L	19.466
⌈	Mo	95	160.003	97.335	**0.039**	ug/L	32.210
|	Mo	97	107.002	68.668	**0.038**	ug/L	19.344
|	Mo r	98	254.230	155.226	**0.037**	ug/L	17.078
|	Rh	103	7.333	7.333		ug/L	
⌊>	In-1	115	174979.648	201011.882		ug/L	
	Ti	47	174.670	195.338		ug/L	
	Li	7	22206.563	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 4	B	11	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	V u	51	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cr	53	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Zn	67	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	As u	75	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	106	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	108	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	79	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	81	IBL (LCB) is out of limits (+/- 0.400ug/L)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 5

Sample Description:
Autosampler Position: 5
Sample Date/Time: Tuesday, February 14, 2012 09:09:45
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 5.008
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

Ag low

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	31218.206	1.333	101.844	ug/L	1.866
|>	Li u	6	335859.608	373974.845		ug/L	
⌊	Li	6	325364.090	372040.788		ug/L	
⌈	Be	9	31218.206	1.333	102.340	ug/L	1.529
|	B	11	38905.959	99.335	101.291	ug/L	3.760
|	Al	27	372437.059	1258.449	93.520	ug/L	0.610
|>	Sc	45	303618.363	326012.180		ug/L	
|	V r	51	676111.394	-1619.789	99.606	ug/L	1.149
|	V u	51	771554.823	100332.614	100.299	ug/L	0.934
|	Cr r	52	585846.037	9993.255	102.528	ug/L	0.466
|	Cr	53	97346.150	35155.627	103.906	ug/L	1.917
|	Mn	55	909848.492	408.348	102.429	ug/L	0.444
|	Co	59	638061.347	28.334	103.621	ug/L	0.852
|	Ni r	60	128946.430	67.668	101.361	ug/L	0.753
|	Ni	62	18811.161	89.335	103.547	ug/L	0.395
|	Cu r	63	261509.723	190.004	102.487	ug/L	0.837
⌊	Cu	65	122508.061	92.335	104.022	ug/L	0.504
⌈	Zn r	66	74869.363	269.007	107.346	ug/L	1.573
|	Zn	67	15784.337	1678.202	107.409	ug/L	1.847
|	Zn	68	55574.925	340.011	108.062	ug/L	0.662
|>	Ge	72	84855.342	98142.756		ug/L	
|	As r	75	94646.107	-144.551	102.051	ug/L	1.885
|	As u	75	94411.798	7238.477	102.360	ug/L	1.557
|	Se r	82	10865.606	-0.290	103.372	ug/L	2.720
|	Se	77	9343.339	2359.603	104.023	ug/L	4.762
⌊	Sr	88	1197654.347	127.002	102.222	ug/L	1.356
⌈	Ag r	107	216227.886	29.667	44.766	ug/L	1.846
|	Ag	109	205034.095	23.334	45.049	ug/L	0.704
|	Cd r	111	121691.818	162.767	101.822	ug/L	1.523
|	Cd	106	8824.511	-2408.095	102.155	ug/L	2.714
|	Cd	108	6013.329	-2520.806	103.019	ug/L	1.984
|	Cd	114	279457.277	30.477	102.254	ug/L	1.065
|	Cd u	111	122045.603	14.000	101.848	ug/L	1.539
|>	In	115	166286.009	201011.882		ug/L	
|	Sb r	123	294656.675	36.661	100.670	ug/L	1.227
⌊	Sb	121	386904.421	52.334	99.933	ug/L	1.235

⌈	Sn	118	172.337	131.336	**0.019**	ug/L	43.420
|	Sn r	120	216.005	184.004	**0.014**	ug/L	26.698
|	Ba r	137	180123.214	34.667	**102.451**	ug/L	0.917
|	Ba	135	103772.012	19.000	**102.634**	ug/L	1.714
|>	Tb	159	193377.504	237352.059		ug/L	
|	Tl r	205	1066608.528	234.006	**103.981**	ug/L	1.109
|	Tl	203	440603.630	95.002	**105.235**	ug/L	0.973
|	U	238	44.334	14.333	**0.002**	ug/L	17.688
⌊	Pb	208	1456416.164	699.353	**102.904**	ug/L	0.978
⌈	Na	23	443976.586	27097.287	**0.094**	mg/L	0.568
|	Mg	24	268139.414	405.348	**0.085**	mg/L	0.881
|	K	39	8426006.125	467869.939	**1.028**	mg/L	0.403
|	Ca	44	34638.161	11211.945	**0.129**	mg/L	0.655
|	Fe	54	67700.163	24278.329	**0.083**	mg/L	1.324
⌊>	Sc-1	45	303618.363	326012.180		ug/L	
	Kr	83	115.335	148.336		ug/L	
	Cl	35	24746671.128	27454688.427		mg/L	
	C	12	334962.255	345074.031		mg/L	
	Y	89	159354.988	189640.829		ug/L	
⌈	Br	79	1844.240	2019.619	**0.498**	ug/L	18.908
|	Br	81	13016.801	14687.828	**1.593**	ug/L	63.963
⌊>	Ge-1	72	84855.342	98142.756		ug/L	
	Ru	99	29.334	1.333		ug/L	
	Pd	105	1911.924	2129.316		ug/L	
	Ho	165	187820.167	233253.622		ug/L	
	Th	232	2008.964	71.001	**0.116**	ug/L	30.400
⌈	Mo	95	183472.157	97.335	**99.782**	ug/L	1.797
|	Mo	97	115724.198	68.668	**98.944**	ug/L	0.743
|	Mo r	98	302127.414	155.226	**99.175**	ug/L	1.649
|	Rh	103	90.001	7.333		ug/L	
⌊>	In-1	115	166286.009	201011.882		ug/L	
	Ti	47	47284.365	195.338		ug/L	
	Li	7	129414.523	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 5	Ag r	107	SCV (LVM) is out of limits (+/- 10%)
QC Std 5	U	238	SCV (LVM) is out of limits (+/- 10%)
QC Std 5	Mg	24	SCV (LVM) is out of limits (+/- 10%)
QC Std 5	Ca	44	SCV (LVM) is out of limits (+/- 10%)
QC Std 5	Fe	54	SCV (LVM) is out of limits (+/- 10%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 6

Sample Description:
Autosampler Position: 9
Sample Date/Time: Tuesday, February 14, 2012 09:14:58
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 6.009
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	121.002	1.333	0.403	ug/L	6.606
|>	Li u	6	325354.680	373974.845		ug/L	
⌊	Li	6	323633.946	372040.788		ug/L	
⌈	Be	9	121.002	1.333	0.415	ug/L	8.149
|	B	11	490.021	99.335	1.109	ug/L	19.096
|	Al	27	2820.879	1258.449	0.456	ug/L	3.872
|>	Sc	45	287299.119	326012.180		ug/L	
|	V r	51	2615.285	-1619.789	0.628	ug/L	19.676
|	V u	51	91349.249	100332.614	0.460	ug/L	79.732
|	Cr r	52	10300.996	9993.255	0.281	ug/L	12.211
|	Cr	53	30638.551	35155.627	-0.575	ug/L	243.262
|	Mn	55	4047.772	408.348	0.439	ug/L	0.499
|	Co	59	2599.799	28.334	0.442	ug/L	1.822
|	Ni r	60	576.027	67.668	0.429	ug/L	6.398
|	Ni	62	160.003	89.335	0.475	ug/L	21.312
|	Cu r	63	1277.452	190.004	0.460	ug/L	2.278
⌊	Cu	65	614.364	92.335	0.479	ug/L	5.246
⌈	Zn r	66	459.352	269.007	0.328	ug/L	14.928
|	Zn	67	2577.124	1678.202	8.487	ug/L	6.088
|	Zn	68	564.026	340.011	0.531	ug/L	6.950
|>	Ge	72	84639.275	98142.756		ug/L	
|	As r	75	211.595	-144.551	0.363	ug/L	27.491
|	As u	75	4267.226	7238.477	-2.299	ug/L	5.772
|	Se r	82	33.384	-0.290	0.321	ug/L	48.564
|	Se	77	1267.652	2359.603	-10.954	ug/L	10.702
⌊	Sr	88	5229.162	127.002	0.438	ug/L	1.123
⌈	Ag r	107	2125.648	29.667	0.434	ug/L	0.818
|	Ag	109	1943.265	23.334	0.421	ug/L	0.355
|	Cd r	111	647.027	162.767	0.427	ug/L	4.594
|	Cd	106	-1995.982	-2408.095	0.020	ug/L	2591.113
|	Cd	108	-2115.878	-2520.806	-0.307	ug/L	195.020
|	Cd	114	1146.625	30.477	0.409	ug/L	5.993
|	Cd u	111	512.689	14.000	0.417	ug/L	3.145
|>	In	115	166786.003	201011.882		ug/L	
|	Sb r	123	1279.404	36.661	0.425	ug/L	4.239
⌊	Sb	121	1684.868	52.334	0.423	ug/L	3.252

⌈	Sn	118	1583.512	131.336	**0.415**	ug/L	3.180
|	Sn r	120	2149.989	184.004	**0.411**	ug/L	4.303
|	Ba r	137	787.048	34.667	**0.420**	ug/L	6.811
|	Ba	135	474.353	19.000	**0.441**	ug/L	5.114
|>	Tb	159	198699.919	237352.059		ug/L	
|	Tl r	205	5634.453	234.006	**0.516**	ug/L	2.310
|	Tl	203	2285.362	95.002	**0.513**	ug/L	1.652
|	U	238	7401.633	14.333	**0.428**	ug/L	2.133
⌊	Pb	208	6844.597	699.353	**0.431**	ug/L	1.851
⌈	Na	23	193136.183	27097.287	**0.040**	mg/L	2.586
|	Mg	24	108297.703	405.348	**0.036**	mg/L	3.063
|	K	39	673141.089	467869.939	**0.035**	mg/L	4.470
|	Ca	44	17917.024	11211.945	**0.045**	mg/L	4.767
|	Fe	54	39201.090	24278.329	**0.035**	mg/L	2.883
⌊>	Sc-1	45	287299.119	326012.180		ug/L	
	Kr	83	147.670	148.336		ug/L	
	Cl	35	26035139.577	27454688.427		mg/L	
	C	12	319673.834	345074.031		mg/L	
	Y	89	161839.736	189640.829		ug/L	
⌈	Br	79	1860.910	2019.619	**0.607**	ug/L	15.656
|	Br	81	13103.954	14687.828	**2.187**	ug/L	71.327
⌊>	Ge-1	72	84639.275	98142.756		ug/L	
	Ru	99	2.000	1.333		ug/L	
	Pd	105	1816.566	2129.316		ug/L	
	Ho	165	193053.569	233253.622		ug/L	
	Th	232	5561.076	71.001	**0.328**	ug/L	9.351
⌈	Mo	95	945.068	97.335	**0.469**	ug/L	5.973
|	Mo	97	605.030	68.668	**0.467**	ug/L	2.624
|	Mo r	98	1561.176	155.226	**0.469**	ug/L	6.628
|	Rh	103	6.000	7.333		ug/L	
⌊>	In-1	115	166786.003	201011.882		ug/L	
	Ti	47	187.671	195.338		ug/L	
	Li	7	21217.436	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 6	B	11	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	V r	51	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	Cr	53	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	Zn	67	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	As u	75	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	Cd	106	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	Cd	108	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	Br	79	LCV (DC1, TV 0.4) is out of limits (+/- 50%)
QC Std 6	Br	81	LCV (DC1, TV 0.4) is out of limits (+/- 50%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 7

Sample Description:
Autosampler Position: 10
Sample Date/Time: Tuesday, February 14, 2012 09:19:54
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 7.010
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120210.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	245.006	1.333	**0.809**	ug/L	1.737
|>	Li u	6	330088.579	373974.845		ug/L	
⌊	Li	6	328371.884	372040.788		ug/L	
⌈	Be	9	245.006	1.333	**0.833**	ug/L	2.764
|	B	11	473.019	99.335	**1.045**	ug/L	3.503
|	Al	27	4296.910	1258.449	**0.833**	ug/L	5.437
|>	Sc	45	291352.768	326012.180		ug/L	
|	V r	51	3167.949	-1619.789	**0.706**	ug/L	27.284
|	V u	51	95232.694	100332.614	**0.861**	ug/L	51.555
|	Cr r	52	12552.027	9993.255	**0.672**	ug/L	9.989
|	Cr	53	32018.508	35155.627	**1.013**	ug/L	146.561
|	Mn	55	7867.767	408.348	**0.881**	ug/L	2.723
|	Co	59	5125.426	28.334	**0.863**	ug/L	3.594
|	Ni r	60	1134.762	67.668	**0.881**	ug/L	5.347
|	Ni	62	217.672	89.335	**0.794**	ug/L	10.795
|	Cu r	63	2372.390	190.004	**0.900**	ug/L	2.174
⌊	Cu	65	1144.430	92.335	**0.941**	ug/L	5.089
⌈	Zn r	66	753.378	269.007	**0.744**	ug/L	1.958
|	Zn	67	2657.152	1678.202	**8.942**	ug/L	5.366
|	Zn	68	786.715	340.011	**0.956**	ug/L	7.040
|>	Ge	72	85256.725	98142.756		ug/L	
|	As r	75	649.770	-144.551	**0.831**	ug/L	11.815
|	As u	75	4773.195	7238.477	**-1.751**	ug/L	4.575
|	Se r	82	82.269	-0.290	**0.781**	ug/L	3.705
|	Se	77	1346.859	2359.603	**-9.964**	ug/L	3.097
⌊	Sr	88	10201.529	127.002	**0.857**	ug/L	0.805
⌈	Ag r	107	4233.540	29.667	**0.858**	ug/L	1.191
|	Ag	109	3942.716	23.334	**0.848**	ug/L	1.313
|	Cd r	111	1134.941	162.767	**0.823**	ug/L	3.668
|	Cd	106	-1986.373	-2408.095	**0.343**	ug/L	221.144
|	Cd	108	-2112.102	-2520.806	**0.075**	ug/L	1302.059
|	Cd	114	2341.954	30.477	**0.834**	ug/L	1.997
|	Cd u	111	1007.409	14.000	**0.818**	ug/L	3.820
|>	In	115	168957.760	201011.882		ug/L	
|	Sb r	123	2480.256	36.661	**0.824**	ug/L	5.398
⌊	Sb	121	3318.082	52.334	**0.832**	ug/L	0.781

⌈	Sn	118	3123.332	131.336	**0.858**	ug/L	0.981
|	Sn r	120	4218.199	184.004	**0.846**	ug/L	0.503
|	Ba r	137	1557.173	34.667	**0.856**	ug/L	5.220
|	Ba	135	889.394	19.000	**0.850**	ug/L	4.715
|>	Tb	159	196614.955	237352.059		ug/L	
|	Tl r	205	9471.592	234.006	**0.890**	ug/L	1.111
|	Tl	203	3926.375	95.002	**0.904**	ug/L	1.099
|	U	238	14702.518	14.333	**0.860**	ug/L	1.490
⌊	Pb	208	12884.362	699.353	**0.856**	ug/L	2.273
⌈	Na	23	366410.913	27097.287	**0.080**	mg/L	2.455
|	Mg	24	217537.749	405.348	**0.072**	mg/L	2.118
|	K	39	944682.099	467869.939	**0.071**	mg/L	1.573
|	Ca	44	25082.746	11211.945	**0.083**	mg/L	2.273
|	Fe	54	58149.935	24278.329	**0.070**	mg/L	2.217
⌊>	Sc-1	45	291352.768	326012.180		ug/L	
	Kr	83	122.669	148.336		ug/L	
	Cl	35	26265940.352	27454688.427		mg/L	
	C	12	323110.285	345074.031		mg/L	
	Y	89	161732.868	189640.829		ug/L	
⌈	Br	79	1973.606	2019.619	**1.108**	ug/L	19.944
|	Br	81	13226.495	14687.828	**2.329**	ug/L	63.636
⌊>	Ge-1	72	85256.725	98142.756		ug/L	
	Ru	99	2.000	1.333		ug/L	
	Pd	105	1846.573	2129.316		ug/L	
	Ho	165	193449.608	233253.622		ug/L	
	Th	232	11769.823	71.001	**0.699**	ug/L	8.371
⌈	Mo	95	1629.856	97.335	**0.829**	ug/L	1.433
|	Mo	97	1041.748	68.668	**0.829**	ug/L	3.067
|	Mo r	98	2753.003	155.226	**0.848**	ug/L	0.658
|	Rh	103	8.333	7.333		ug/L	
⌊>	In-1	115	168957.760	201011.882		ug/L	
	Ti	47	192.004	195.338		ug/L	
	Li	7	21167.638	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 7	Zn	67	LCV (DC1, TV 0.8) is out of limits (+/- 50%)
QC Std 7	As u	75	LCV (DC1, TV 0.8) is out of limits (+/- 50%)
QC Std 7	Cd	106	LCV (DC1, TV 0.8) is out of limits (+/- 50%)
QC Std 7	Cd	108	LCV (DC1, TV 0.8) is out of limits (+/- 50%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21006-BLK1

Sample Description:
Autosampler Position: 17
Sample Date/Time: Tuesday, February 14, 2012 09:26:36
Dataset File: C:\Elandata\Dataset\EL120214\BB21006-BLK1.011
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	2.333	1.333	0.003	ug/L	137.930
|>	Li u	6	344851.355	373974.845		ug/L	
⌊	Li	6	343060.461	372040.788		ug/L	
⌈	Be	9	2.333	1.333	0.004	ug/L	136.894
|	B	11	192.004	99.335	0.266	ug/L	15.615
|	Al	27	2203.004	1258.449	0.267	ug/L	5.970
|>	Sc	45	299968.344	326012.180		ug/L	
|	V r	51	-1627.052	-1619.789	-0.020	ug/L	647.158
|	V u	51	87343.374	100332.614	-0.745	ug/L	13.470
|	Cr r	52	7968.541	9993.255	-0.221	ug/L	12.570
|	Cr	53	30668.345	35155.627	-2.738	ug/L	24.717
|	Mn	55	415.349	408.348	0.005	ug/L	98.232
|	Co	59	33.334	28.334	0.001	ug/L	77.576
|	Ni r	60	75.668	67.668	0.011	ug/L	51.513
|	Ni	62	84.001	89.335	0.010	ug/L	199.121
|	Cu r	63	275.674	190.004	0.040	ug/L	9.871
⌊	Cu	65	137.003	92.335	0.045	ug/L	10.679
⌈	Zn r	66	224.672	269.007	-0.024	ug/L	158.405
|	Zn	67	2440.414	1678.202	6.677	ug/L	21.518
|	Zn	68	349.345	340.011	0.081	ug/L	59.220
|>	Ge	72	88345.723	98142.756		ug/L	
|	As r	75	-70.646	-144.551	0.062	ug/L	133.459
|	As u	75	4061.112	7238.477	-2.737	ug/L	1.460
|	Se r	82	-15.229	-0.290	-0.137	ug/L	138.210
|	Se	77	1325.712	2359.603	-10.923	ug/L	4.537
⌊	Sr	88	175.337	127.002	0.005	ug/L	23.900
⌈	Ag r	107	29.334	29.667	0.001	ug/L	88.091
|	Ag	109	27.000	23.334	0.001	ug/L	41.999
|	Cd r	111	142.670	162.767	0.001	ug/L	289.959
|	Cd	106	-2265.317	-2408.095	-1.632	ug/L	71.955
|	Cd	108	-2366.695	-2520.806	-2.244	ug/L	69.007
|	Cd	114	18.744	30.477	-0.003	ug/L	76.416
|	Cd u	111	7.000	14.000	-0.004	ug/L	20.212
|>	In	115	174001.399	201011.882		ug/L	
|	Sb r	123	34.540	36.661	0.001	ug/L	177.067
⌊	Sb	121	40.667	52.334	-0.001	ug/L	110.437

⌈	Sn	118	295.342	131.336	**0.049**	ug/L	10.387
|	Sn r	120	400.681	184.004	**0.048**	ug/L	8.075
|	Ba r	137	39.667	34.667	**0.005**	ug/L	39.578
|	Ba	135	29.000	19.000	**0.012**	ug/L	49.539
|>	Tb	159	206677.087	237352.059		ug/L	
|	Tl r	205	680.037	234.006	**0.043**	ug/L	10.942
|	Tl	203	267.341	95.002	**0.041**	ug/L	17.657
|	U	238	35.334	14.333	**0.001**	ug/L	24.544
⌊	Pb	208	465.677	699.353	**-0.009**	ug/L	44.834
⌈	Na	23	31101.072	27097.287	**0.001**	mg/L	14.050
|	Mg	24	1172.768	405.348	**0.000**	mg/L	4.357
|	K	39	442992.266	467869.939	**0.002**	mg/L	22.836
|	Ca	44	10554.675	11211.945	**0.001**	mg/L	36.430
|	Fe	54	21889.377	24278.329	**-0.001**	mg/L	81.449
⌊>	Sc-1	45	299968.344	326012.180		ug/L	
	Kr	83	141.336	148.336		ug/L	
	Cl	35	26914799.616	27454688.427		mg/L	
	C	12	318080.085	345074.031		mg/L	
	Y	89	167610.798	189640.829		ug/L	
⌈	Br	79	668.369	2019.619	**-5.605**	ug/L	4.106
|	Br	81	12114.658	14687.828	**-5.308**	ug/L	24.958
⌊>	Ge-1	72	88345.723	98142.756		ug/L	
	Ru	99	2.667	1.333		ug/L	
	Pd	105	2000.947	2129.316		ug/L	
	Ho	165	202218.570	233253.622		ug/L	
	Th	232	123.336	71.001	**0.003**	ug/L	10.524
⌈	Mo	95	108.335	97.335	**0.013**	ug/L	39.128
|	Mo	97	59.668	68.668	**0.000**	ug/L	4893.374
|	Mo r	98	161.189	155.226	**0.008**	ug/L	52.998
|	Rh	103	4.333	7.333		ug/L	
⌊>	In-1	115	174001.399	201011.882		ug/L	
	Ti	47	168.004	195.338		ug/L	
	Li	7	22082.539	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB22006-BS1

Sample Description:
Autosampler Position: 18
Sample Date/Time: Tuesday, February 14, 2012 09:32:29
Dataset File: C:\Elandata\Dataset\EL120214\BB22006-BS1.012
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	648.034	1.333	2.085	ug/L	6.188
|>	Li u	6	340134.152	373974.845		ug/L	
⌊	Li	6	336494.792	372040.788		ug/L	
⌈	Be	9	648.034	1.333	2.090	ug/L	5.348
|	B	11	7594.157	99.335	19.292	ug/L	2.042
|	Al	27	297435.772	1258.449	73.555	ug/L	3.551
|>	Sc	45	308085.689	326012.180		ug/L	
|	V r	51	133342.969	-1619.789	19.540	ug/L	4.005
|	V u	51	225319.330	100332.614	19.026	ug/L	4.422
|	Cr r	52	120113.492	9993.255	19.402	ug/L	5.044
|	Cr	53	44545.730	35155.627	17.959	ug/L	8.647
|	Mn	55	180234.390	408.348	19.967	ug/L	3.957
|	Co	59	125369.692	28.334	20.068	ug/L	4.458
|	Ni r	60	25575.739	67.668	19.779	ug/L	4.550
|	Ni	62	3800.645	89.335	20.257	ug/L	5.587
|	Cu r	63	52692.812	190.004	20.301	ug/L	3.796
⌊	Cu	65	24494.229	92.335	20.445	ug/L	5.330
⌈	Zn r	66	15480.053	269.007	20.850	ug/L	2.798
|	Zn	67	5492.682	1678.202	28.290	ug/L	2.033
|	Zn	68	12402.120	340.011	22.495	ug/L	3.695
|>	Ge	72	89185.295	98142.756		ug/L	
|	As r	75	19032.365	-144.551	19.634	ug/L	4.077
|	As u	75	22551.277	7238.477	17.649	ug/L	6.917
|	Se r	82	2144.156	-0.290	19.410	ug/L	2.438
|	Se	77	2981.245	2359.603	11.344	ug/L	17.074
⌊	Sr	88	241585.855	127.002	19.612	ug/L	4.148
⌈	Ag r	107	10508.954	29.667	2.047	ug/L	5.473
|	Ag	109	10026.971	23.334	2.074	ug/L	4.992
|	Cd r	111	2565.979	162.767	1.915	ug/L	5.366
|	Cd	106	-2053.898	-2408.095	0.522	ug/L	108.513
|	Cd	108	-2124.293	-2520.806	1.043	ug/L	44.065
|	Cd	114	5746.519	30.477	1.974	ug/L	4.652
|	Cd u	111	2528.775	14.000	1.981	ug/L	4.727
|>	In	115	176334.060	201011.882		ug/L	
|	Sb r	123	63020.762	36.661	20.302	ug/L	4.988
⌊	Sb	121	84274.892	52.334	20.525	ug/L	5.637

⌈	Sn	118	74546.815	131.336	**20.302**	ug/L	5.422
|	Sn r	120	101978.356	184.004	**20.300**	ug/L	6.428
|	Ba r	137	146678.986	34.667	**78.627**	ug/L	4.725
|	Ba	135	85747.395	19.000	**79.939**	ug/L	6.519
|>	Tb	159	205300.700	237352.059		ug/L	
|	Tl r	205	212664.526	234.006	**19.522**	ug/L	4.193
|	Tl	203	86527.944	95.002	**19.461**	ug/L	4.197
|	U	238	345390.867	14.333	**19.371**	ug/L	5.903
L	Pb	208	296200.847	699.353	**19.691**	ug/L	4.611
⌈	Na	23	1711226.049	27097.287	**0.374**	mg/L	4.035
|	Mg	24	1077066.035	405.348	**0.338**	mg/L	2.876
|	K	39	6705361.758	467869.939	**0.794**	mg/L	4.334
|	Ca	44	83647.773	11211.945	**0.383**	mg/L	4.525
|	Fe	54	111203.848	24278.329	**0.160**	mg/L	4.903
L>	Sc-1	45	308085.689	326012.180		ug/L	
	Kr	83	138.336	148.336		ug/L	
	Cl	35	27224790.099	27454688.427		mg/L	
	C	12	316684.918	345074.031		mg/L	
	Y	89	171270.145	189640.829		ug/L	
⌈	Br	79	1587.180	2019.619	**-1.200**	ug/L	15.777
|	Br	81	13255.891	14687.828	**-0.436**	ug/L	570.611
L>	Ge-1	72	89185.295	98142.756		ug/L	
	Ru	99	6.333	1.333		ug/L	
	Pd	105	2000.614	2129.316		ug/L	
	Ho	165	199445.870	233253.622		ug/L	
	Th	232	155.003	71.001	**0.005**	ug/L	24.600
⌈	Mo	95	39381.041	97.335	**20.167**	ug/L	5.073
|	Mo	97	25232.589	68.668	**20.311**	ug/L	3.917
|	Mo r	98	65700.092	155.226	**20.307**	ug/L	4.105
|	Rh	103	31.000	7.333		ug/L	
L>	In-1	115	176334.060	201011.882		ug/L	
	Ti	47	9860.754	195.338		ug/L	
	Li	7	44874.974	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-01

Sample Description:
Autosampler Position: 19
Sample Date/Time: Tuesday, February 14, 2012 09:37:49
Dataset File: C:\Elandata\Dataset\EL120214\1202004-01.013
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	**0.001**	ug/L	999.626
|>	Li u	6	330942.205	373974.845		ug/L	
⌊	Li	6	328900.020	372040.788		ug/L	
⌈	Be	9	1.333	1.333	**0.001**	ug/L	1022.784
|	B	11	1839.239	99.335	**4.833**	ug/L	9.152
|	Al	27	4238.546	1258.449	**0.833**	ug/L	9.432
|>	Sc	45	287355.867	326012.180		ug/L	
|	V r	51	134.949	-1619.789	**0.245**	ug/L	142.691
|	V u	51	91869.346	100332.614	**0.541**	ug/L	83.615
|	Cr r	52	8616.242	9993.255	**-0.036**	ug/L	46.585
|	Cr	53	31524.787	35155.627	**0.926**	ug/L	142.298
|	Mn	55	1381.805	408.348	**0.122**	ug/L	7.207
|	Co	59	178.671	28.334	**0.026**	ug/L	13.665
|	Ni r	60	669.369	67.668	**0.507**	ug/L	8.101
|	Ni	62	86.668	89.335	**0.046**	ug/L	102.384
|	Cu r	63	5722.523	190.004	**2.303**	ug/L	6.869
⌊	Cu	65	2722.844	92.335	**2.374**	ug/L	9.364
⌈	Zn r	66	566.026	269.007	**0.494**	ug/L	3.227
|	Zn	67	2641.147	1678.202	**9.265**	ug/L	3.644
|	Zn	68	890.727	340.011	**1.198**	ug/L	8.354
|>	Ge	72	83388.063	98142.756		ug/L	
|	As r	75	269.733	-144.551	**0.431**	ug/L	25.461
|	As u	75	4941.303	7238.477	**-1.428**	ug/L	6.010
|	Se r	82	3.559	-0.290	**0.037**	ug/L	355.858
|	Se	77	1517.860	2359.603	**-7.052**	ug/L	14.516
⌊	Sr	88	667193.872	127.002	**57.950**	ug/L	5.949
⌈	Ag r	107	28.334	29.667	**0.001**	ug/L	111.845
|	Ag	109	20.334	23.334	**0.000**	ug/L	215.694
|	Cd r	111	137.667	162.767	**0.002**	ug/L	225.552
|	Cd	106	-2167.026	-2408.095	**-1.636**	ug/L	55.353
|	Cd	108	-2263.206	-2520.806	**-2.241**	ug/L	57.071
|	Cd	114	10.659	30.477	**-0.005**	ug/L	31.295
|	Cd u	111	8.000	14.000	**-0.003**	ug/L	28.514
|>	In	115	166446.462	201011.882		ug/L	
|	Sb r	123	69.159	36.661	**0.013**	ug/L	38.381
⌊	Sb	121	69.668	52.334	**0.007**	ug/L	55.594

⌈	Sn	118	273.674	131.336	**0.047**	ug/L	20.968
|	Sn r	120	375.013	184.004	**0.047**	ug/L	15.827
|	Ba r	137	27721.251	34.667	**15.595**	ug/L	7.705
|	Ba	135	16036.549	19.000	**15.684**	ug/L	6.508
|>	Tb	159	195520.208	237352.059		ug/L	
|	Tl r	205	1467.828	234.006	**0.123**	ug/L	32.550
|	Tl	203	599.364	95.002	**0.124**	ug/L	36.153
|	U	238	13825.571	14.333	**0.814**	ug/L	6.753
L	Pb	208	2978.588	699.353	**0.168**	ug/L	11.300
⌈	Na	23	11293933.464	27097.287	**2.678**	mg/L	6.672
|	Mg	24	5533502.013	405.348	**1.864**	mg/L	7.000
|	K	39	3385640.049	467869.939	**0.404**	mg/L	6.680
|	Ca	44	2688905.449	11211.945	**15.043**	mg/L	6.110
|	Fe	54	23846.409	24278.329	**0.005**	mg/L	54.272
L>	Sc-1	45	287355.867	326012.180		ug/L	
	Kr	83	127.336	148.336		ug/L	
	Cl	35	26210214.260	27454688.427		mg/L	
	C	12	308362.303	345074.031		mg/L	
	Y	89	155547.348	189640.829		ug/L	
⌈	Br	79	852.723	2019.619	**-4.460**	ug/L	8.090
|	Br	81	11724.380	14687.828	**-3.840**	ug/L	9.966
L>	Ge-1	72	83388.063	98142.756		ug/L	
	Ru	99	2.000	1.333		ug/L	
	Pd	105	1911.924	2129.316		ug/L	
	Ho	165	190558.671	233253.622		ug/L	
	Th	232	92.335	71.001	**0.001**	ug/L	54.329
⌈	Mo	95	300.342	97.335	**0.119**	ug/L	4.706
|	Mo	97	195.671	68.668	**0.119**	ug/L	18.407
|	Mo r	98	491.873	155.226	**0.119**	ug/L	14.555
|	Rh	103	31.000	7.333		ug/L	
L>	In-1	115	166446.462	201011.882		ug/L	
	Ti	47	384.347	195.338		ug/L	
	Li	7	25181.067	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21006-DUP1

Sample Description:
Autosampler Position: 20
Sample Date/Time: Tuesday, February 14, 2012 09:43:10
Dataset File: C:\Elandata\Dataset\EL120214\BB21006-DUP1.014
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	2.333	1.333	0.004	ug/L	136.039
|>	Li u	6	336221.985	373974.845		ug/L	
⌊	Li	6	334151.539	372040.788		ug/L	
⌈	Be	9	2.333	1.333	0.004	ug/L	134.065
|	B	11	1801.563	99.335	4.678	ug/L	5.526
|	Al	27	3769.296	1258.449	0.698	ug/L	6.704
|>	Sc	45	290224.970	326012.180		ug/L	
|	V r	51	-249.453	-1619.789	0.183	ug/L	131.290
|	V u	51	94771.193	100332.614	0.844	ug/L	7.578
|	Cr r	52	8907.245	9993.255	0.002	ug/L	1179.244
|	Cr	53	32749.232	35155.627	2.448	ug/L	30.454
|	Mn	55	1262.116	408.348	0.106	ug/L	8.042
|	Co	59	140.669	28.334	0.020	ug/L	7.761
|	Ni r	60	622.031	67.668	0.462	ug/L	5.976
|	Ni	62	80.335	89.335	0.005	ug/L	685.479
|	Cu r	63	5344.244	190.004	2.124	ug/L	4.378
⌊	Cu	65	2540.445	92.335	2.185	ug/L	3.496
⌈	Zn r	66	541.024	269.007	0.461	ug/L	10.360
|	Zn	67	2597.798	1678.202	9.033	ug/L	2.200
|	Zn	68	831.387	340.011	1.087	ug/L	4.770
|>	Ge	72	82978.315	98142.756		ug/L	
|	As r	75	56.840	-144.551	0.197	ug/L	37.269
|	As u	75	5319.893	7238.477	-0.950	ug/L	12.699
|	Se r	82	3.284	-0.290	0.034	ug/L	522.862
|	Se	77	1694.952	2359.603	-4.371	ug/L	10.843
⌊	Sr	88	653196.890	127.002	57.011	ug/L	5.601
⌈	Ag r	107	27.667	29.667	0.001	ug/L	185.451
|	Ag	109	22.000	23.334	0.001	ug/L	131.319
|	Cd r	111	134.613	162.767	0.000	ug/L	4839.759
|	Cd	106	-2161.244	-2408.095	-1.618	ug/L	14.699
|	Cd	108	-2257.169	-2520.806	-2.215	ug/L	10.237
|	Cd	114	16.642	30.477	-0.003	ug/L	10.228
|	Cd u	111	6.333	14.000	-0.004	ug/L	73.399
|>	In	115	166113.599	201011.882		ug/L	
|	Sb r	123	53.995	36.661	0.008	ug/L	15.191
⌊	Sb	121	62.334	52.334	0.005	ug/L	28.895

⌈	Sn	118	237.006	131.336	**0.036**	ug/L	7.408
|	Sn r	120	323.677	184.004	**0.036**	ug/L	20.387
|	Ba r	137	26983.545	34.667	**15.060**	ug/L	4.652
|	Ba	135	15335.435	19.000	**14.881**	ug/L	4.639
|>	Tb	159	196979.489	237352.059		ug/L	
|	Tl r	205	631.699	234.006	**0.042**	ug/L	15.193
|	Tl	203	254.673	95.002	**0.041**	ug/L	9.071
|	U	238	13359.736	14.333	**0.780**	ug/L	5.357
⌊	Pb	208	2837.901	699.353	**0.157**	ug/L	7.134
⌈	Na	23	11030299.235	27097.287	**2.588**	mg/L	3.796
|	Mg	24	5386659.449	405.348	**1.795**	mg/L	3.250
|	K	39	3306050.233	467869.939	**0.389**	mg/L	3.563
|	Ca	44	2604170.960	11211.945	**14.418**	mg/L	4.210
|	Fe	54	22311.537	24278.329	**0.001**	mg/L	95.465
⌊>	Sc-1	45	290224.970	326012.180		ug/L	
	Kr	83	120.669	148.336		ug/L	
	Cl	35	24960325.413	27454688.427		mg/L	
	C	12	302004.263	345074.031		mg/L	
	Y	89	158538.036	189640.829		ug/L	
⌈	Br	79	836.054	2019.619	**-4.526**	ug/L	1.680
|	Br	81	11441.958	14687.828	**-4.979**	ug/L	45.389
⌊>	Ge-1	72	82978.315	98142.756		ug/L	
	Ru	99	2.000	1.333		ug/L	
	Pd	105	1909.923	2129.316		ug/L	
	Ho	165	189959.914	233253.622		ug/L	
	Th	232	73.334	71.001	**0.000**	ug/L	405.070
⌈	Mo	95	259.340	97.335	**0.097**	ug/L	4.947
|	Mo	97	167.670	68.668	**0.095**	ug/L	25.579
|	Mo r	98	446.240	155.226	**0.105**	ug/L	5.206
|	Rh	103	35.334	7.333		ug/L	
⌊>	In-1	115	166113.599	201011.882		ug/L	
	Ti	47	338.011	195.338		ug/L	
	Li	7	25529.550	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-02

Sample Description:
Autosampler Position: 21
Sample Date/Time: Tuesday, February 14, 2012 09:48:32
Dataset File: C:\Elandata\Dataset\EL120214\1202004-02.015
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	0.002	ug/L	116.465
|>	Li u	6	330963.602	373974.845		ug/L	
⌊	Li	6	328903.842	372040.788		ug/L	
⌈	Be	9	1.667	1.333	0.002	ug/L	109.628
|	B	11	1856.578	99.335	5.006	ug/L	12.467
|	Al	27	2425.076	1258.449	0.366	ug/L	19.133
|>	Sc	45	280476.152	326012.180		ug/L	
|	V r	51	-1365.534	-1619.789	0.004	ug/L	676.872
|	V u	51	104561.388	100332.614	2.924	ug/L	22.575
|	Cr r	52	9202.261	9993.255	0.117	ug/L	36.645
|	Cr	53	36134.428	35155.627	10.266	ug/L	25.055
|	Mn	55	512.356	408.348	0.020	ug/L	10.585
|	Co	59	135.336	28.334	0.020	ug/L	11.248
|	Ni r	60	649.701	67.668	0.504	ug/L	16.566
|	Ni	62	80.335	89.335	0.021	ug/L	52.041
|	Cu r	63	4446.667	190.004	1.819	ug/L	8.348
⌊	Cu	65	2082.305	92.335	1.843	ug/L	12.408
⌈	Zn r	66	474.686	269.007	0.387	ug/L	24.064
|	Zn	67	2649.816	1678.202	10.094	ug/L	5.831
|	Zn	68	791.382	340.011	1.059	ug/L	5.587
|>	Ge	72	80375.578	98142.756		ug/L	
⌈	As r	75	82.960	-144.551	0.229	ug/L	70.636
|	As u	75	6161.198	7238.477	0.289	ug/L	150.235
|	Se r	82	14.383	-0.290	0.147	ug/L	128.702
|	Se	77	1977.780	2359.603	0.701	ug/L	342.064
⌊	Sr	88	669768.919	127.002	60.392	ug/L	11.333
⌈	Ag r	107	25.334	29.667	0.000	ug/L	64.145
|	Ag	109	18.000	23.334	-0.000	ug/L	2156.581
|	Cd r	111	126.282	162.767	-0.002	ug/L	542.479
|	Cd	106	-2038.580	-2408.095	-1.422	ug/L	77.106
|	Cd	108	-2129.125	-2520.806	-1.941	ug/L	81.057
|	Cd	114	15.735	30.477	-0.003	ug/L	16.116
|	Cd u	111	4.667	14.000	-0.006	ug/L	25.773
|>	In	115	158328.189	201011.882		ug/L	
|	Sb r	123	56.746	36.661	0.010	ug/L	38.830
⌊	Sb	121	53.334	52.334	0.003	ug/L	104.337

⌈	Sn	118	432.350	131.336	**0.097**	ug/L	1.253
|	Sn r	120	582.361	184.004	**0.095**	ug/L	13.924
|	Ba r	137	26720.316	34.667	**15.595**	ug/L	12.252
|	Ba	135	15478.144	19.000	**15.709**	ug/L	11.026
|>	Tb	159	188429.905	237352.059		ug/L	
|	Tl r	205	456.018	234.006	**0.027**	ug/L	5.873
|	Tl	203	199.671	95.002	**0.030**	ug/L	8.715
|	U	238	13650.976	14.333	**0.833**	ug/L	10.362
⌊	Pb	208	1872.108	699.353	**0.096**	ug/L	10.091
⌈	Na	23	11356019.151	27097.287	**2.759**	mg/L	10.688
|	Mg	24	5543608.823	405.348	**1.913**	mg/L	10.994
|	K	39	3366693.340	467869.939	**0.413**	mg/L	11.051
|	Ca	44	2516986.933	11211.945	**14.427**	mg/L	21.696
|	Fe	54	22063.545	24278.329	**0.002**	mg/L	110.326
⌊>	Sc-1	45	280476.152	326012.180		ug/L	
	Kr	83	109.335	148.336		ug/L	
	Cl	35	26600748.122	27454688.427		mg/L	
	C	12	315000.604	345074.031		mg/L	
	Y	89	151384.372	189640.829		ug/L	
⌈	Br	79	905.396	2019.619	**-4.010**	ug/L	8.618
|	Br	81	11424.594	14687.828	**-3.184**	ug/L	38.487
⌊>	Ge-1	72	80375.578	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1799.895	2129.316		ug/L	
	Ho	165	184271.184	233253.622		ug/L	
	Th	232	69.334	71.001	**-0.000**	ug/L	635.925
⌈	Mo	95	266.341	97.335	**0.109**	ug/L	23.048
|	Mo	97	189.004	68.668	**0.121**	ug/L	11.136
|	Mo r	98	448.760	155.226	**0.113**	ug/L	16.641
|	Rh	103	30.000	7.333		ug/L	
⌊>	In-1	115	158328.189	201011.882		ug/L	
	Ti	47	356.345	195.338		ug/L	
	Li	7	25397.786	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-03

Sample Description:
Autosampler Position: 22
Sample Date/Time: Tuesday, February 14, 2012 09:53:54
Dataset File: C:\Elandata\Dataset\EL120214\1202004-03.016
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.333	1.333	-0.003	ug/L	67.185
|>	Li u	6	331914.496	373974.845		ug/L	
⌊	Li	6	329861.978	372040.788		ug/L	
⌈	Be	9	0.333	1.333	-0.003	ug/L	70.770
|	B	11	1763.220	99.335	4.778	ug/L	3.557
|	Al	27	3754.622	1258.449	0.737	ug/L	9.456
|>	Sc	45	278418.598	326012.180		ug/L	
|	V r	51	-24.158	-1619.789	0.216	ug/L	134.562
|	V u	51	104923.827	100332.614	3.104	ug/L	2.079
|	Cr r	52	9384.816	9993.255	0.165	ug/L	9.635
|	Cr	53	36432.111	35155.627	11.246	ug/L	9.942
|	Mn	55	863.724	408.348	0.063	ug/L	11.559
|	Co	59	160.337	28.334	0.024	ug/L	8.341
|	Ni r	60	655.368	67.668	0.513	ug/L	11.436
|	Ni	62	83.668	89.335	0.045	ug/L	192.513
|	Cu r	63	6205.233	190.004	2.585	ug/L	4.847
⌊	Cu	65	2939.591	92.335	2.652	ug/L	4.711
⌈	Zn r	66	611.364	269.007	0.595	ug/L	5.256
|	Zn	67	2571.789	1678.202	9.496	ug/L	2.948
|	Zn	68	904.396	340.011	1.294	ug/L	9.323
|>	Ge	72	80275.508	98142.756		ug/L	
|	As r	75	176.294	-144.551	0.335	ug/L	19.282
|	As u	75	6403.729	7238.477	0.593	ug/L	23.538
|	Se r	82	-16.833	-0.290	-0.167	ug/L	73.601
|	Se	77	1935.666	2359.603	0.088	ug/L	838.711
⌊	Sr	88	655737.963	127.002	59.166	ug/L	5.053
⌈	Ag r	107	27.334	29.667	0.001	ug/L	88.540
|	Ag	109	19.667	23.334	0.000	ug/L	179.971
|	Cd r	111	128.016	162.767	-0.000	ug/L	9334.600
|	Cd	106	-2029.310	-2408.095	-1.317	ug/L	26.322
|	Cd	108	-2121.741	-2520.806	-1.823	ug/L	14.511
|	Cd	114	13.037	30.477	-0.004	ug/L	16.099
|	Cd u	111	5.333	14.000	-0.005	ug/L	27.974
|>	In	115	158319.818	201011.882		ug/L	
|	Sb r	123	49.286	36.661	0.007	ug/L	41.252
⌊	Sb	121	61.668	52.334	0.006	ug/L	45.261

⌈	Sn	118	185.004	131.336	**0.024**	ug/L	19.424
|	Sn r	120	257.340	184.004	**0.025**	ug/L	23.717
|	Ba r	137	26582.511	34.667	**15.626**	ug/L	4.308
|	Ba	135	15381.535	19.000	**15.722**	ug/L	4.166
|>	Tb	159	186940.159	237352.059		ug/L	
|	Tl r	205	392.347	234.006	**0.021**	ug/L	9.506
|	Tl	203	152.670	95.002	**0.019**	ug/L	8.763
|	U	238	13432.527	14.333	**0.826**	ug/L	3.706
⌊	Pb	208	2632.204	699.353	**0.152**	ug/L	5.353
⌈	Na	23	11113831.996	27097.287	**2.720**	mg/L	4.552
|	Mg	24	5424619.298	405.348	**1.885**	mg/L	4.083
|	K	39	3286658.238	467869.939	**0.405**	mg/L	3.684
|	Ca	44	2619625.899	11211.945	**15.123**	mg/L	3.723
|	Fe	54	21951.378	24278.329	**0.002**	mg/L	73.044
⌊>	Sc-1	45	278418.598	326012.180		ug/L	
	Kr	83	210.672	148.336		ug/L	
	Cl	35	25509238.692	27454688.427		mg/L	
	C	12	320809.423	345074.031		mg/L	
	Y	89	152467.405	189640.829		ug/L	
⌈	Br	79	741.043	2019.619	**-4.888**	ug/L	6.796
|	Br	81	11376.856	14687.828	**-3.355**	ug/L	47.281
⌊>	Ge-1	72	80275.508	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1794.227	2129.316		ug/L	
	Ho	165	183599.957	233253.622		ug/L	
	Th	232	61.668	71.001	**-0.001**	ug/L	24.744
⌈	Mo	95	273.008	97.335	**0.112**	ug/L	10.026
|	Mo	97	179.671	68.668	**0.113**	ug/L	9.500
|	Mo r	98	442.019	155.226	**0.110**	ug/L	8.336
|	Rh	103	31.334	7.333		ug/L	
⌊>	In-1	115	158319.818	201011.882		ug/L	
	Ti	47	354.678	195.338		ug/L	
	Li	7	25308.485	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-04

Sample Description:
Autosampler Position: 23
Sample Date/Time: Tuesday, February 14, 2012 09:59:17
Dataset File: C:\Elandata\Dataset\EL120214\1202004-04.017
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	**0.000**	ug/L	1184.790
|>	Li u	6	333217.767	373974.845		ug/L	
⌊	Li	6	331167.825	372040.788		ug/L	
⌈	Be	9	1.333	1.333	**0.001**	ug/L	829.712
|	B	11	1687.535	99.335	**4.553**	ug/L	5.253
|	Al	27	2214.341	1258.449	**0.312**	ug/L	6.930
|>	Sc	45	279047.178	326012.180		ug/L	
|	V r	51	-456.004	-1619.789	**0.149**	ug/L	81.826
|	V u	51	106819.207	100332.614	**3.375**	ug/L	17.921
|	Cr r	52	9630.121	9993.255	**0.209**	ug/L	14.286
|	Cr	53	37145.893	35155.627	**12.370**	ug/L	22.455
|	Mn	55	454.018	408.348	**0.013**	ug/L	27.929
|	Co	59	153.670	28.334	**0.023**	ug/L	17.521
|	Ni r	60	617.031	67.668	**0.479**	ug/L	8.462
|	Ni	62	94.002	89.335	**0.105**	ug/L	19.107
|	Cu r	63	4189.519	190.004	**1.719**	ug/L	8.062
⌊	Cu	65	1985.943	92.335	**1.763**	ug/L	2.924
⌈	Zn r	66	443.684	269.007	**0.340**	ug/L	16.740
|	Zn	67	2595.797	1678.202	**9.680**	ug/L	3.603
|	Zn	68	784.381	340.011	**1.045**	ug/L	0.539
|>	Ge	72	80307.504	98142.756		ug/L	
|	As r	75	243.280	-144.551	**0.412**	ug/L	25.373
|	As u	75	6754.033	7238.477	**1.021**	ug/L	26.070
|	Se r	82	-10.255	-0.290	**-0.100**	ug/L	122.476
|	Se	77	2063.916	2359.603	**2.006**	ug/L	38.929
⌊	Sr	88	628611.224	127.002	**56.691**	ug/L	4.942
⌈	Ag r	107	24.000	29.667	**0.000**	ug/L	867.455
|	Ag	109	20.000	23.334	**0.000**	ug/L	84.702
⌈	Cd r	111	127.167	162.767	**-0.002**	ug/L	343.002
|	Cd	106	-1954.966	-2408.095	**-0.351**	ug/L	98.371
|	Cd	108	-2050.442	-2520.806	**-0.547**	ug/L	84.529
⌈	Cd	114	14.513	30.477	**-0.004**	ug/L	27.330
|	Cd u	111	3.667	14.000	**-0.006**	ug/L	15.303
|>	In	115	160225.826	201011.882		ug/L	
⌈	Sb r	123	51.577	36.661	**0.008**	ug/L	19.670
⌊	Sb	121	50.667	52.334	**0.002**	ug/L	58.824

⌈	Sn	118	130.002	131.336	**0.008**	ug/L	54.326
|	Sn r	120	178.004	184.004	**0.007**	ug/L	3.182
|	Ba r	137	25498.495	34.667	**14.964**	ug/L	5.447
|	Ba	135	14883.893	19.000	**15.189**	ug/L	6.409
|>	Tb	159	187323.829	237352.059		ug/L	
|	Tl r	205	322.677	234.006	**0.014**	ug/L	3.642
|	Tl	203	142.669	95.002	**0.017**	ug/L	19.307
|	U	238	12592.097	14.333	**0.773**	ug/L	4.295
L	Pb	208	2035.126	699.353	**0.108**	ug/L	9.758
⌈	Na	23	10742829.146	27097.287	**2.623**	mg/L	5.684
|	Mg	24	5249259.398	405.348	**1.820**	mg/L	5.378
|	K	39	3183777.169	467869.939	**0.390**	mg/L	5.618
|	Ca	44	2185835.686	11211.945	**12.598**	mg/L	18.737
|	Fe	54	21432.316	24278.329	**0.001**	mg/L	107.750
L>	Sc-1	45	279047.178	326012.180		ug/L	
	Kr	83	182.671	148.336		ug/L	
	Cl	35	24915203.071	27454688.427		mg/L	
	C	12	330783.449	345074.031		mg/L	
	Y	89	154019.197	189640.829		ug/L	
⌈	Br	79	769.713	2019.619	**-4.736**	ug/L	8.636
|	Br	81	11206.603	14687.828	**-4.284**	ug/L	10.738
L>	Ge-1	72	80307.504	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1733.213	2129.316		ug/L	
	Ho	165	183299.897	233253.622		ug/L	
	Th	232	51.334	71.001	**-0.001**	ug/L	15.534
⌈	Mo	95	255.007	97.335	**0.100**	ug/L	16.457
|	Mo	97	162.670	68.668	**0.096**	ug/L	9.454
|	Mo r	98	431.832	155.226	**0.105**	ug/L	15.448
|	Rh	103	28.000	7.333		ug/L	
L>	In-1	115	160225.826	201011.882		ug/L	
	Ti	47	357.345	195.338		ug/L	
	Li	7	25276.719	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-06

Sample Description:
Autosampler Position: 24
Sample Date/Time: Tuesday, February 14, 2012 10:04:36
Dataset File: C:\Elandata\Dataset\EL120214\1202004-06.018
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.333	1.333	-0.003	ug/L	68.764
|>	Li u	6	330280.834	373974.845		ug/L	
L	Li	6	328470.040	372040.788		ug/L	
⌈	Be	9	0.333	1.333	-0.003	ug/L	73.105
|	B	11	1423.479	99.335	3.888	ug/L	6.254
|	Al	27	6162.532	1258.449	1.430	ug/L	7.476
|>	Sc	45	273373.187	326012.180		ug/L	
|	V r	51	-1301.135	-1619.789	0.013	ug/L	3236.294
|	V u	51	108511.782	100332.614	4.017	ug/L	21.477
|	Cr r	52	9553.024	9993.255	0.232	ug/L	21.801
|	Cr	53	37704.584	35155.627	14.732	ug/L	19.357
|	Mn	55	23721.489	408.348	2.927	ug/L	7.431
|	Co	59	274.341	28.334	0.045	ug/L	3.197
|	Ni r	60	426.349	67.668	0.323	ug/L	13.672
|	Ni	62	67.668	89.335	-0.045	ug/L	38.223
|	Cu r	63	6006.409	190.004	2.550	ug/L	8.163
L	Cu	65	2753.188	92.335	2.528	ug/L	8.416
⌈	Zn r	66	2636.479	269.007	3.717	ug/L	8.003
|	Zn	67	2959.599	1678.202	12.812	ug/L	3.145
|	Zn	68	2242.349	340.011	4.108	ug/L	4.822
|>	Ge	72	79452.707	98142.756		ug/L	
|	As r	75	-76.390	-144.551	0.047	ug/L	125.195
|	As u	75	6722.005	7238.477	1.071	ug/L	33.875
|	Se r	82	-5.226	-0.290	-0.051	ug/L	353.665
|	Se	77	2195.938	2359.603	4.352	ug/L	26.808
L	Sr	88	174634.850	127.002	15.918	ug/L	7.544
⌈	Ag r	107	30.000	29.667	0.001	ug/L	54.239
|	Ag	109	15.000	23.334	-0.001	ug/L	54.673
|	Cd r	111	120.762	162.767	-0.007	ug/L	140.631
|	Cd	106	-1936.247	-2408.095	-0.363	ug/L	236.655
|	Cd	108	-2016.774	-2520.806	-0.374	ug/L	274.222
|	Cd	114	12.612	30.477	-0.004	ug/L	26.000
|	Cd u	111	10.000	14.000	-0.001	ug/L	110.480
|>	In	115	158619.425	201011.882		ug/L	
|	Sb r	123	42.037	36.661	0.005	ug/L	33.665
L	Sb	121	55.001	52.334	0.004	ug/L	20.648

⌈	Sn	118	176.004	131.336	**0.022**	ug/L	17.406
|	Sn r	120	249.007	184.004	**0.023**	ug/L	28.425
|	Ba r	137	21509.288	34.667	**12.707**	ug/L	6.544
|	Ba	135	12327.682	19.000	**12.664**	ug/L	7.709
|>	Tb	159	186122.141	237352.059		ug/L	
|	Tl r	205	312.676	234.006	**0.013**	ug/L	14.228
|	Tl	203	126.669	95.002	**0.013**	ug/L	11.651
|	U	238	512.356	14.333	**0.031**	ug/L	8.789
⌊	Pb	208	3928.766	699.353	**0.248**	ug/L	7.654
⌈	Na	23	16481190.508	27097.287	**4.113**	mg/L	7.175
|	Mg	24	2957502.895	405.348	**1.048**	mg/L	7.549
|	K	39	3440662.927	467869.939	**0.436**	mg/L	7.543
|	Ca	44	1229572.501	11211.945	**7.205**	mg/L	7.092
|	Fe	54	77806.848	24278.329	**0.118**	mg/L	8.711
⌊>	Sc-1	45	273373.187	326012.180		ug/L	
	Kr	83	141.003	148.336		ug/L	
	Cl	35	25741167.525	27454688.427		mg/L	
	C	12	312626.383	345074.031		mg/L	
	Y	89	151052.175	189640.829		ug/L	
⌈	Br	79	791.382	2019.619	**-4.573**	ug/L	5.606
|	Br	81	11226.634	14687.828	**-3.538**	ug/L	37.769
⌊>	Ge-1	72	79452.707	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1706.206	2129.316		ug/L	
	Ho	165	183476.357	233253.622		ug/L	
	Th	232	73.001	71.001	**0.000**	ug/L	476.970
⌈	Mo	95	120.335	97.335	**0.025**	ug/L	35.228
|	Mo	97	81.335	68.668	**0.024**	ug/L	49.305
|	Mo r	98	198.154	155.226	**0.026**	ug/L	23.976
|	Rh	103	9.667	7.333		ug/L	
⌊>	In-1	115	158619.425	201011.882		ug/L	
	Ti	47	318.676	195.338		ug/L	
	Li	7	22327.916	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21006-MS1

Sample Description:
Autosampler Position: 25
Sample Date/Time: Tuesday, February 14, 2012 10:09:51
Dataset File: C:\Elandata\Dataset\EL120214\BB21006-MS1.019
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	623.365	1.333	2.031	ug/L	8.627
|>	Li u	6	335717.399	373974.845		ug/L	
⌊	Li	6	332160.557	372040.788		ug/L	
⌈	Be	9	623.365	1.333	2.202	ug/L	9.266
|	B	11	9057.089	99.335	25.263	ug/L	4.481
|	Al	27	293337.552	1258.449	79.427	ug/L	4.035
|>	Sc	45	281530.985	326012.180		ug/L	
|	V r	51	123888.092	-1619.789	19.870	ug/L	3.806
|	V u	51	227940.726	100332.614	22.555	ug/L	6.545
|	Cr r	52	114508.035	9993.255	20.315	ug/L	4.082
|	Cr	53	47327.018	35155.627	29.472	ug/L	12.143
|	Mn	55	193286.186	408.348	23.445	ug/L	4.275
|	Co	59	117881.297	28.334	20.653	ug/L	4.347
|	Ni r	60	23965.236	67.668	20.291	ug/L	6.508
|	Ni	62	3490.494	89.335	20.362	ug/L	4.046
|	Cu r	63	53967.933	190.004	22.766	ug/L	4.173
⌊	Cu	65	25082.082	92.335	22.919	ug/L	3.173
⌈	Zn r	66	16282.719	269.007	24.130	ug/L	3.748
|	Zn	67	5645.127	1678.202	33.314	ug/L	2.640
|	Zn	68	13079.576	340.011	26.134	ug/L	2.462
|>	Ge	72	81241.269	98142.756		ug/L	
|	As r	75	17949.650	-144.551	20.325	ug/L	2.954
|	As u	75	23392.761	7238.477	21.109	ug/L	4.538
|	Se r	82	2056.427	-0.290	20.437	ug/L	2.961
|	Se	77	3499.446	2359.603	23.011	ug/L	10.025
⌊	Sr	88	401450.922	127.002	35.788	ug/L	3.253
⌈	Ag r	107	9245.980	29.667	1.967	ug/L	2.858
|	Ag	109	8728.373	23.334	1.972	ug/L	4.275
|	Cd r	111	2428.850	162.767	1.983	ug/L	3.138
|	Cd	106	-1780.712	-2408.095	1.480	ug/L	70.340
|	Cd	108	-1868.525	-2520.806	2.032	ug/L	56.534
|	Cd	114	5537.653	30.477	2.079	ug/L	1.701
|	Cd u	111	2376.057	14.000	2.034	ug/L	3.612
|>	In	115	161419.808	201011.882		ug/L	
|	Sb r	123	57296.754	36.661	20.160	ug/L	2.836
⌊	Sb	121	75294.154	52.334	20.027	ug/L	2.444

⌈	Sn	118	66884.616	131.336	**19.829**	ug/L	4.342
|	Sn r	120	91227.071	184.004	**19.764**	ug/L	3.539
|	Ba r	137	160363.742	34.667	**93.585**	ug/L	3.927
|	Ba	135	93208.523	19.000	**94.586**	ug/L	4.739
|>	Tb	159	188562.094	237352.059		ug/L	
|	Tl r	205	201034.069	234.006	**20.089**	ug/L	2.848
|	Tl	203	82446.355	95.002	**20.185**	ug/L	2.953
|	U	238	332099.052	14.333	**20.273**	ug/L	3.394
⌊	Pb	208	280928.072	699.353	**20.333**	ug/L	3.808
⌈	Na	23	17663373.101	27097.287	**4.278**	mg/L	3.852
|	Mg	24	4082300.656	405.348	**1.403**	mg/L	3.283
|	K	39	9342408.240	467869.939	**1.240**	mg/L	4.383
|	Ca	44	1294390.974	11211.945	**7.362**	mg/L	3.784
|	Fe	54	161630.223	24278.329	**0.279**	mg/L	4.782
⌊>	Sc-1	45	281530.985	326012.180		ug/L	
	Kr	83	142.669	148.336		ug/L	
	Cl	35	25104716.904	27454688.427		mg/L	
	C	12	302107.431	345074.031		mg/L	
	Y	89	154808.576	189640.829		ug/L	
⌈	Br	79	1409.810	2019.619	**-1.389**	ug/L	13.743
|	Br	81	12232.844	14687.828	**0.384**	ug/L	182.853
⌊>	Ge-1	72	81241.269	98142.756		ug/L	
	Ru	99	5.333	1.333		ug/L	
	Pd	105	1758.885	2129.316		ug/L	
	Ho	165	183612.237	233253.622		ug/L	
	Th	232	91.001	71.001	**0.001**	ug/L	60.828
⌈	Mo	95	35146.817	97.335	**19.659**	ug/L	3.421
|	Mo	97	22425.868	68.668	**19.715**	ug/L	1.970
|	Mo r	98	57891.807	155.226	**19.544**	ug/L	3.449
|	Rh	103	28.334	7.333		ug/L	
⌊>	In-1	115	161419.808	201011.882		ug/L	
	Ti	47	9029.055	195.338		ug/L	
	Li	7	43857.473	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-07

Sample Description:
Autosampler Position: 26
Sample Date/Time: Tuesday, February 14, 2012 10:15:07
Dataset File: C:\Elandata\Dataset\EL120214\1202004-07.020
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.001	ug/L	13.242
|>	Li u	6	329492.637	373974.845		ug/L	
⌊	Li	6	327693.906	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	12.629
|	B	11	1484.159	99.335	4.039	ug/L	8.710
|	Al	27	3007.285	1258.449	0.542	ug/L	9.024
|>	Sc	45	274730.369	326012.180		ug/L	
|	V r	51	-1079.769	-1619.789	0.045	ug/L	257.903
|	V u	51	106414.808	100332.614	3.576	ug/L	8.254
|	Cr r	52	9369.130	9993.255	0.186	ug/L	10.872
|	Cr	53	36897.323	35155.627	12.937	ug/L	10.377
|	Mn	55	13353.081	408.348	1.620	ug/L	8.071
|	Co	59	233.006	28.334	0.038	ug/L	9.576
|	Ni r	60	419.682	67.668	0.315	ug/L	2.478
|	Ni	62	83.335	89.335	0.049	ug/L	97.049
|	Cu r	63	4589.086	190.004	1.921	ug/L	8.418
⌊	Cu	65	2113.645	92.335	1.913	ug/L	5.683
⌈	Zn r	66	2220.343	269.007	3.091	ug/L	8.543
|	Zn	67	2958.265	1678.202	12.886	ug/L	3.323
|	Zn	68	2021.620	340.011	3.665	ug/L	9.076
|>	Ge	72	79158.438	98142.756		ug/L	
|	As r	75	-187.717	-144.551	-0.084	ug/L	203.637
|	As u	75	6576.877	7238.477	0.920	ug/L	19.850
|	Se r	82	3.907	-0.290	0.040	ug/L	449.532
|	Se	77	2145.038	2359.603	3.705	ug/L	27.065
⌊	Sr	88	178354.177	127.002	16.328	ug/L	9.201
⌈	Ag r	107	24.667	29.667	0.000	ug/L	472.263
|	Ag	109	18.000	23.334	-0.000	ug/L	1051.703
|	Cd r	111	118.155	162.767	-0.008	ug/L	171.921
|	Cd	106	-1952.604	-2408.095	-0.628	ug/L	50.721
|	Cd	108	-2030.997	-2520.806	-0.714	ug/L	43.443
|	Cd	114	13.828	30.477	-0.004	ug/L	58.747
|	Cd u	111	8.667	14.000	-0.002	ug/L	94.191
|>	In	115	157706.438	201011.882		ug/L	
|	Sb r	123	59.825	36.661	0.011	ug/L	19.759
⌊	Sb	121	65.001	52.334	0.007	ug/L	86.334

⌈	Sn	118	217.672	131.336	**0.035**	ug/L	16.341
|	Sn r	120	289.675	184.004	**0.032**	ug/L	17.106
|	Ba r	137	21860.025	34.667	**13.020**	ug/L	8.744
|	Ba	135	12762.414	19.000	**13.217**	ug/L	8.668
|>	Tb	159	184567.680	237352.059		ug/L	
|	Tl r	205	1176.439	234.006	**0.102**	ug/L	33.370
|	Tl	203	467.353	95.002	**0.099**	ug/L	40.082
|	U	238	474.686	14.333	**0.029**	ug/L	5.897
L	Pb	208	1062.039	699.353	**0.038**	ug/L	14.696
⌈	Na	23	16729929.762	27097.287	**4.153**	mg/L	6.778
|	Mg	24	3008785.191	405.348	**1.060**	mg/L	7.653
|	K	39	3488529.141	467869.939	**0.440**	mg/L	7.853
|	Ca	44	1241766.430	11211.945	**7.238**	mg/L	7.316
|	Fe	54	29660.986	24278.329	**0.019**	mg/L	14.526
L>	Sc-1	45	274730.369	326012.180		ug/L	
	Kr	83	125.669	148.336		ug/L	
	Cl	35	26588113.867	27454688.427		mg/L	
	C	12	311303.388	345074.031		mg/L	
	Y	89	151877.151	189640.829		ug/L	
⌈	Br	79	909.730	2019.619	**-3.912**	ug/L	8.848
|	Br	81	11400.226	14687.828	**-2.395**	ug/L	28.395
L>	Ge-1	72	79158.438	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1718.209	2129.316		ug/L	
	Ho	165	180249.713	233253.622		ug/L	
	Th	232	60.668	71.001	**-0.001**	ug/L	89.396
⌈	Mo	95	144.669	97.335	**0.039**	ug/L	21.633
|	Mo	97	97.335	68.668	**0.039**	ug/L	31.118
|	Mo r	98	238.488	155.226	**0.041**	ug/L	22.436
|	Rh	103	11.667	7.333		ug/L	
L>	In-1	115	157706.438	201011.882		ug/L	
	Ti	47	331.344	195.338		ug/L	
	Li	7	22179.169	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-08

Sample Description:
Autosampler Position: 27
Sample Date/Time: Tuesday, February 14, 2012 10:20:24
Dataset File: C:\Elandata\Dataset\EL120214\1202004-08.021
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	0.001	ug/L	670.530
|>	Li u	6	326328.095	373974.845		ug/L	
⌊	Li	6	324541.240	372040.788		ug/L	
⌈	Be	9	1.333	1.333	0.001	ug/L	493.963
|	B	11	1370.470	99.335	3.786	ug/L	13.849
|	Al	27	9112.849	1258.449	2.289	ug/L	12.316
|>	Sc	45	270056.686	326012.180		ug/L	
|	V r	51	-2353.264	-1619.789	-0.167	ug/L	72.695
|	V u	51	105811.491	100332.614	3.787	ug/L	28.947
|	Cr r	52	9390.156	9993.255	0.223	ug/L	30.345
|	Cr	53	36856.576	35155.627	14.033	ug/L	29.586
|	Mn	55	23100.081	408.348	2.886	ug/L	11.744
|	Co	59	264.007	28.334	0.044	ug/L	7.402
|	Ni r	60	420.016	67.668	0.322	ug/L	7.458
|	Ni	62	85.335	89.335	0.071	ug/L	58.137
|	Cu r	63	6981.583	190.004	3.012	ug/L	9.826
⌊	Cu	65	3231.047	92.335	3.017	ug/L	9.777
⌈	Zn r	66	3235.715	269.007	4.675	ug/L	9.744
|	Zn	67	3151.677	1678.202	14.530	ug/L	5.110
|	Zn	68	2756.190	340.011	5.225	ug/L	9.859
|>	Ge	72	78909.872	98142.756		ug/L	
|	As r	75	89.163	-144.551	0.239	ug/L	52.104
|	As u	75	6812.092	7238.477	1.247	ug/L	58.614
|	Se r	82	-11.447	-0.290	-0.114	ug/L	99.090
|	Se	77	2224.045	2359.603	5.030	ug/L	43.285
⌊	Sr	88	170235.642	127.002	15.634	ug/L	10.302
⌈	Ag r	107	23.667	29.667	0.000	ug/L	1050.745
|	Ag	109	23.334	23.334	0.001	ug/L	109.418
|	Cd r	111	115.840	162.767	-0.011	ug/L	134.805
|	Cd	106	-1887.245	-2408.095	0.037	ug/L	2665.881
|	Cd	108	-1968.279	-2520.806	0.152	ug/L	730.428
|	Cd	114	17.492	30.477	-0.002	ug/L	43.976
|	Cd u	111	6.667	14.000	-0.004	ug/L	77.715
|>	In	115	157808.700	201011.882		ug/L	
|	Sb r	123	42.122	36.661	0.005	ug/L	32.646
⌊	Sb	121	48.334	52.334	0.002	ug/L	84.773

⌈	Sn	118	205.338	131.336	**0.031**	ug/L	18.523
|	Sn r	120	280.341	184.004	**0.030**	ug/L	19.009
|	Ba r	137	20722.890	34.667	**12.327**	ug/L	10.362
|	Ba	135	12059.615	19.000	**12.473**	ug/L	10.411
|>	Tb	159	184890.800	237352.059		ug/L	
|	Tl r	205	494.688	234.006	**0.032**	ug/L	16.312
|	Tl	203	192.004	95.002	**0.030**	ug/L	32.573
|	U	238	494.688	14.333	**0.030**	ug/L	14.974
L	Pb	208	4836.316	699.353	**0.318**	ug/L	11.047
⌈	Na	23	15955079.067	27097.287	**4.031**	mg/L	9.788
|	Mg	24	2845743.991	405.348	**1.020**	mg/L	9.956
|	K	39	3328968.409	467869.939	**0.426**	mg/L	10.027
|	Ca	44	1181272.158	11211.945	**7.007**	mg/L	10.010
|	Fe	54	75193.030	24278.329	**0.114**	mg/L	11.318
|>	Sc-1	45	270056.686	326012.180		ug/L	
	Kr	83	128.002	148.336		ug/L	
	Cl	35	25681154.811	27454688.427		mg/L	
	C	12	281976.393	345074.031		mg/L	
	Y	89	151484.169	189640.829		ug/L	
⌈	Br	79	757.378	2019.619	**-4.727**	ug/L	7.860
|	Br	81	11244.659	14687.828	**-3.029**	ug/L	14.185
|>	Ge-1	72	78909.872	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1667.531	2129.316		ug/L	
	Ho	165	180443.798	233253.622		ug/L	
	Th	232	53.334	71.001	**-0.001**	ug/L	43.232
⌈	Mo	95	126.669	97.335	**0.029**	ug/L	3.528
|	Mo	97	72.001	68.668	**0.016**	ug/L	10.855
|	Mo r	98	200.264	155.226	**0.027**	ug/L	26.368
|	Rh	103	15.667	7.333		ug/L	
|>	In-1	115	157808.700	201011.882		ug/L	
	Ti	47	302.676	195.338		ug/L	
	Li	7	22032.735	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 10:25:37
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 2.022
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	14996.090	1.333	50.079	ug/L	2.522
|>	Li u	6	328048.025	373974.845		ug/L	
L	Li	6	326356.811	372040.788		ug/L	
⌈	Be	9	14996.090	1.333	52.229	ug/L	1.223
|	B	11	19105.901	99.335	52.732	ug/L	1.940
|	Al	27	193204.405	1258.449	51.413	ug/L	0.668
|>	Sc	45	285751.447	326012.180		ug/L	
|	V r	51	312674.166	-1619.789	49.059	ug/L	0.627
|	V u	51	406986.874	100332.614	50.142	ug/L	0.399
|	Cr r	52	271801.898	9993.255	49.702	ug/L	0.764
|	Cr	53	61785.481	35155.627	52.922	ug/L	2.129
|	Mn	55	414497.087	408.348	49.557	ug/L	0.898
|	Co	59	285641.894	28.334	49.286	ug/L	0.617
|	Ni r	60	58897.951	67.668	49.164	ug/L	1.536
|	Ni	62	8445.052	89.335	49.149	ug/L	1.138
|	Cu r	63	117576.008	190.004	48.924	ug/L	0.826
L	Cu	65	54590.234	92.335	49.214	ug/L	0.541
⌈	Zn r	66	33951.451	269.007	51.062	ug/L	1.444
|	Zn	67	8559.513	1678.202	56.638	ug/L	2.136
|	Zn	68	25070.377	340.011	51.010	ug/L	0.932
|>	Ge	72	80608.292	98142.756		ug/L	
|	As r	75	43848.278	-144.551	49.831	ug/L	1.240
|	As u	75	46141.436	7238.477	49.128	ug/L	0.243
|	Se r	82	5031.528	-0.290	50.382	ug/L	1.891
|	Se	77	5092.695	2359.603	47.293	ug/L	3.240
L	Sr	88	559982.292	127.002	50.305	ug/L	0.544
⌈	Ag r	107	227538.867	29.667	49.209	ug/L	0.648
|	Ag	109	214638.631	23.334	49.269	ug/L	0.453
|	Cd r	111	55771.687	162.767	48.691	ug/L	1.146
|	Cd	106	3040.745	-2408.095	48.801	ug/L	3.264
|	Cd	108	1746.003	-2520.806	49.722	ug/L	5.070
|	Cd	114	130591.032	30.477	49.918	ug/L	0.821
|	Cd u	111	55935.903	14.000	48.760	ug/L	1.140
|>	In	115	159156.168	201011.882		ug/L	
|	Sb r	123	138441.943	36.661	49.407	ug/L	0.549
L	Sb	121	182048.302	52.334	49.115	ug/L	0.346

⌈	Sn	118	168206.024	131.336	**50.235**	ug/L	1.584
|	Sn r	120	229045.126	184.004	**49.992**	ug/L	1.820
|	Ba r	137	85547.642	34.667	**50.241**	ug/L	1.683
|	Ba	135	48873.592	19.000	**49.903**	ug/L	0.457
|>	Tb	159	187252.590	237352.059		ug/L	
|	Tl r	205	504775.978	234.006	**50.805**	ug/L	2.169
|	Tl	203	206224.116	95.002	**50.853**	ug/L	2.119
|	U	238	804058.833	14.333	**49.404**	ug/L	1.052
⌊	Pb	208	683711.966	699.353	**49.864**	ug/L	1.339
⌈	Na	23	22235743.613	27097.287	**5.305**	mg/L	0.692
|	Mg	24	15737733.434	405.348	**5.328**	mg/L	0.935
|	K	39	38558698.389	467869.939	**5.213**	mg/L	0.885
|	Ca	44	889457.473	11211.945	**4.964**	mg/L	0.412
|	Fe	54	2834972.362	24278.329	**5.501**	mg/L	0.413
⌊>	Sc-1	45	285751.447	326012.180		ug/L	
	Kr	83	145.336	148.336		ug/L	
	Cl	35	26424319.769	27454688.427		mg/L	
	C	12	340767.536	345074.031		mg/L	
	Y	89	153145.015	189640.829		ug/L	
⌈	Br	79	10699.545	2019.619	**48.326**	ug/L	2.042
|	Br	81	21599.834	14687.828	**50.135**	ug/L	2.839
⌊>	Ge-1	72	80608.292	98142.756		ug/L	
	Ru	99	12.000	1.333		ug/L	
	Pd	105	1824.569	2129.316		ug/L	
	Ho	165	181485.816	233253.622		ug/L	
	Th	232	754516.389	71.001	**45.094**	ug/L	1.935
⌈	Mo	95	86593.548	97.335	**49.176**	ug/L	1.221
|	Mo	97	55039.776	68.668	**49.138**	ug/L	0.363
|	Mo r	98	143652.129	155.226	**49.239**	ug/L	0.330
|	Rh	103	47.667	7.333		ug/L	
⌊>	In-1	115	159156.168	201011.882		ug/L	
	Ti	47	204.671	195.338		ug/L	
	Li	7	20853.443	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 2	Zn	67	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Fe	54	CCV (CLC) is out of limits (+/- 10%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 4

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 10:30:49
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 4.023
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	**0.002**	ug/L	124.504
|>	Li u	6	336500.814	373974.845		ug/L	
⌊	Li	6	334716.860	372040.788		ug/L	
⌈	Be	9	1.667	1.333	**0.002**	ug/L	117.338
|	B	11	212.005	99.335	**0.347**	ug/L	56.628
|	Al	27	1006.743	1258.449	**-0.026**	ug/L	17.374
|>	Sc	45	286005.678	326012.180		ug/L	
|	V r	51	361.091	-1619.789	**0.278**	ug/L	90.172
|	V u	51	89486.878	100332.614	**0.228**	ug/L	178.922
|	Cr r	52	7793.024	9993.255	**-0.184**	ug/L	9.094
|	Cr	53	30642.250	35155.627	**-0.347**	ug/L	299.384
|	Mn	55	347.678	408.348	**-0.001**	ug/L	240.551
|	Co	59	53.334	28.334	**0.005**	ug/L	12.509
|	Ni r	60	59.667	67.668	**0.000**	ug/L	1464.233
|	Ni	62	76.001	89.335	**-0.014**	ug/L	191.873
|	Cu r	63	152.336	190.004	**-0.006**	ug/L	78.990
⌊	Cu	65	80.335	92.335	**-0.001**	ug/L	662.389
⌈	Zn r	66	147.670	269.007	**-0.114**	ug/L	7.714
|	Zn	67	2544.113	1678.202	**8.930**	ug/L	8.433
|	Zn	68	329.677	340.011	**0.095**	ug/L	54.232
|>	Ge	72	81687.255	98142.756		ug/L	
|	As r	75	-77.587	-144.551	**0.048**	ug/L	438.240
|	As u	75	4169.507	7238.477	**-2.237**	ug/L	12.023
|	Se r	82	2.417	-0.290	**0.026**	ug/L	569.619
|	Se	77	1316.025	2359.603	**-9.584**	ug/L	5.173
⌊	Sr	88	138.336	127.002	**0.003**	ug/L	4.772
⌈	Ag r	107	49.667	29.667	**0.005**	ug/L	57.574
|	Ag	109	43.334	23.334	**0.005**	ug/L	60.200
|	Cd r	111	151.837	162.767	**0.014**	ug/L	39.431
|	Cd	106	-2074.199	-2408.095	**-0.716**	ug/L	192.405
|	Cd	108	-2189.116	-2520.806	**-1.235**	ug/L	143.470
|	Cd	114	24.565	30.477	**-0.000**	ug/L	716.355
|	Cd u	111	10.000	14.000	**-0.001**	ug/L	273.822
|>	In	115	166851.304	201011.882		ug/L	
|	Sb r	123	43.455	36.661	**0.004**	ug/L	26.208
⌊	Sb	121	51.001	52.334	**0.002**	ug/L	99.173

⌈	Sn	118	165.337	131.336	**0.017**	ug/L	40.863
|	Sn r	120	232.339	184.004	**0.017**	ug/L	62.820
|	Ba r	137	35.667	34.667	**0.004**	ug/L	32.503
|	Ba	135	29.334	19.000	**0.013**	ug/L	19.191
|>	Tb	159	194969.605	237352.059		ug/L	
|	Tl r	205	1847.592	234.006	**0.161**	ug/L	40.505
|	Tl	203	745.047	95.002	**0.159**	ug/L	41.164
|	U	238	106.335	14.333	**0.006**	ug/L	16.218
⌊	Pb	208	442.676	699.353	**-0.009**	ug/L	18.323
⌈	Na	23	21813.442	27097.287	**-0.000**	mg/L	25.964
|	Mg	24	1277.453	405.348	**0.000**	mg/L	13.194
|	K	39	413517.681	467869.939	**0.000**	mg/L	97.405
|	Ca	44	8814.470	11211.945	**-0.006**	mg/L	8.621
|	Fe	54	20348.370	24278.329	**-0.002**	mg/L	3.297
⌊>	Sc-1	45	286005.678	326012.180		ug/L	
	Kr	83	143.669	148.336		ug/L	
	Cl	35	26160128.462	27454688.427		mg/L	
	C	12	314879.056	345074.031		mg/L	
	Y	89	157475.932	189640.829		ug/L	
⌈	Br	79	1741.548	2019.619	**0.320**	ug/L	34.000
|	Br	81	12583.415	14687.828	**1.859**	ug/L	96.467
⌊>	Ge-1	72	81687.255	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1850.241	2129.316		ug/L	
	Ho	165	191038.010	233253.622		ug/L	
	Th	232	523.690	71.001	**0.027**	ug/L	21.362
⌈	Mo	95	130.336	97.335	**0.027**	ug/L	33.552
|	Mo	97	82.001	68.668	**0.021**	ug/L	55.293
|	Mo r	98	209.154	155.226	**0.026**	ug/L	57.760
|	Rh	103	4.667	7.333		ug/L	
⌊>	In-1	115	166851.304	201011.882		ug/L	
	Ti	47	161.003	195.338		ug/L	
	Li	7	21996.962	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 4	Zn	67	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	As u	75	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	106	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	108	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	81	IBL (LCB) is out of limits (+/- 0.400ug/L)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-09

Sample Description:
Autosampler Position: 28
Sample Date/Time: Tuesday, February 14, 2012 10:36:06
Dataset File: C:\Elandata\Dataset\EL120214\1202004-09.024
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	110.041
|>	Li u	6	329737.944	373974.845		ug/L	
⌊	Li	6	327949.625	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.002	ug/L	121.247
|	B	11	1435.483	99.335	3.896	ug/L	14.037
|	Al	27	2679.162	1258.449	0.450	ug/L	18.114
|>	Sc	45	275498.796	326012.180		ug/L	
|	V r	51	560.546	-1619.789	0.315	ug/L	57.166
|	V u	51	93192.361	100332.614	1.391	ug/L	85.298
|	Cr r	52	8253.174	9993.255	-0.037	ug/L	87.821
|	Cr	53	32038.984	35155.627	4.199	ug/L	93.765
|	Mn	55	12694.344	408.348	1.537	ug/L	14.123
|	Co	59	220.005	28.334	0.035	ug/L	12.120
|	Ni r	60	413.682	67.668	0.310	ug/L	11.626
|	Ni	62	82.668	89.335	0.044	ug/L	119.403
|	Cu r	63	4483.034	190.004	1.874	ug/L	17.261
⌊	Cu	65	2058.634	92.335	1.861	ug/L	19.077
⌈	Zn r	66	2198.672	269.007	3.048	ug/L	12.336
|	Zn	67	2955.264	1678.202	12.805	ug/L	8.849
|	Zn	68	1923.928	340.011	3.449	ug/L	13.262
|>	Ge	72	79389.410	98142.756		ug/L	
|	As r	75	93.742	-144.551	0.245	ug/L	111.970
|	As u	75	4841.245	7238.477	-1.253	ug/L	45.399
|	Se r	82	13.200	-0.290	0.139	ug/L	180.566
|	Se	77	1508.501	2359.603	-6.078	ug/L	24.275
⌊	Sr	88	167890.856	127.002	15.326	ug/L	13.888
⌈	Ag r	107	26.334	29.667	0.001	ug/L	217.663
|	Ag	109	25.667	23.334	0.002	ug/L	86.319
|	Cd r	111	143.865	162.767	0.014	ug/L	30.466
|	Cd	106	-1932.776	-2408.095	-0.338	ug/L	105.749
|	Cd	108	-2046.677	-2520.806	-0.791	ug/L	53.477
|	Cd	114	20.113	30.477	-0.001	ug/L	97.435
|	Cd u	111	6.667	14.000	-0.004	ug/L	26.414
|>	In	115	158475.763	201011.882		ug/L	
|	Sb r	123	44.619	36.661	0.006	ug/L	62.456
⌊	Sb	121	46.667	52.334	0.001	ug/L	210.789

⌈	Sn	118	157.337	131.336	**0.016**	ug/L	57.656
|	Sn r	120	216.339	184.004	**0.015**	ug/L	47.716
|	Ba r	137	20660.168	34.667	**12.032**	ug/L	14.788
|	Ba	135	11960.835	19.000	**12.113**	ug/L	15.092
|>	Tb	159	189158.951	237352.059		ug/L	
|	Tl r	205	644.700	234.006	**0.046**	ug/L	11.006
|	Tl	203	249.673	95.002	**0.043**	ug/L	19.169
|	U	238	391.347	14.333	**0.023**	ug/L	16.044
L	Pb	208	986.701	699.353	**0.031**	ug/L	31.818
⌈	Na	23	15841327.350	27097.287	**3.929**	mg/L	14.971
|	Mg	24	2829651.206	405.348	**0.996**	mg/L	15.124
|	K	39	3323151.613	467869.939	**0.416**	mg/L	14.906
|	Ca	44	1177550.443	11211.945	**6.855**	mg/L	14.743
|	Fe	54	28640.941	24278.329	**0.017**	mg/L	34.706
L>	Sc-1	45	275498.796	326012.180		ug/L	
	Kr	83	130.336	148.336		ug/L	
	Cl	35	25402298.743	27454688.427		mg/L	
	C	12	299922.489	345074.031		mg/L	
	Y	89	151796.270	189640.829		ug/L	
⌈	Br	79	899.729	2019.619	**-3.977**	ug/L	17.370
|	Br	81	11317.437	14687.828	**-3.017**	ug/L	28.691
L>	Ge-1	72	79389.410	98142.756		ug/L	
	Ru	99	1.000	1.333		ug/L	
	Pd	105	1730.879	2129.316		ug/L	
	Ho	165	183487.323	233253.622		ug/L	
	Th	232	183.671	71.001	**0.007**	ug/L	17.936
⌈	Mo	95	134.003	97.335	**0.033**	ug/L	22.909
|	Mo	97	81.335	68.668	**0.024**	ug/L	23.876
|	Mo r	98	208.821	155.226	**0.030**	ug/L	9.163
|	Rh	103	12.000	7.333		ug/L	
L>	In-1	115	158475.763	201011.882		ug/L	
	Ti	47	322.343	195.338		ug/L	
	Li	7	22050.794	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-11

Sample Description:
Autosampler Position: 29
Sample Date/Time: Tuesday, February 14, 2012 10:41:24
Dataset File: C:\Elandata\Dataset\EL120214\1202004-11.025
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	**0.001**	ug/L	636.184
|>	Li u	6	319450.638	373974.845		ug/L	
⌊	Li	6	317296.049	372040.788		ug/L	
⌈	Be	9	1.333	1.333	**0.001**	ug/L	508.704
|	B	11	3531.513	99.335	**10.207**	ug/L	4.125
|	Al	27	23558.001	1258.449	**6.434**	ug/L	7.711
|>	Sc	45	267943.936	326012.180		ug/L	
|	V r	51	-563.623	-1619.789	**0.126**	ug/L	123.380
|	V u	51	96805.964	100332.614	**2.408**	ug/L	12.110
|	Cr r	52	8660.294	9993.255	**0.090**	ug/L	43.282
|	Cr	53	33448.570	35155.627	**8.321**	ug/L	20.109
|	Mn	55	13532.047	408.348	**1.685**	ug/L	6.888
|	Co	59	150.670	28.334	**0.023**	ug/L	8.790
|	Ni r	60	630.366	67.668	**0.513**	ug/L	6.771
|	Ni	62	74.001	89.335	**0.004**	ug/L	877.311
|	Cu r	63	9159.551	190.004	**4.004**	ug/L	7.000
⌊	Cu	65	4221.536	92.335	**3.995**	ug/L	7.366
⌈	Zn r	66	608.030	269.007	**0.615**	ug/L	7.536
|	Zn	67	2937.590	1678.202	**13.030**	ug/L	6.388
|	Zn	68	1639.192	340.011	**2.907**	ug/L	11.702
|>	Ge	72	78161.244	98142.756		ug/L	
|	As r	75	-10.700	-144.551	**0.125**	ug/L	231.809
|	As u	75	5880.639	7238.477	**0.148**	ug/L	130.451
|	Se r	82	-0.229	-0.290	**0.001**	ug/L	11890.646
|	Se	77	1779.150	2359.603	**-1.548**	ug/L	41.156
⌊	Sr	88	1565285.210	127.002	**145.090**	ug/L	4.605
⌈	Ag r	107	28.000	29.667	**0.001**	ug/L	230.380
|	Ag	109	20.667	23.334	**0.001**	ug/L	270.254
|	Cd r	111	112.747	162.767	**-0.010**	ug/L	118.323
|	Cd	106	-2045.264	-2408.095	**-2.148**	ug/L	7.924
|	Cd	108	-2115.544	-2520.806	**-2.679**	ug/L	2.977
|	Cd	114	8.192	30.477	**-0.006**	ug/L	22.956
|	Cd u	111	7.333	14.000	**-0.003**	ug/L	101.653
|>	In	115	153217.659	201011.882		ug/L	
⌈	Sb r	123	85.038	36.661	**0.021**	ug/L	18.341
⌊	Sb	121	91.668	52.334	**0.015**	ug/L	8.321

⌈	Sn	118	191.671	131.336	**0.029**	ug/L	16.918
|	Sn r	120	246.006	184.004	**0.024**	ug/L	20.184
|	Ba r	137	126105.708	34.667	**77.260**	ug/L	5.046
|	Ba	135	72914.284	19.000	**77.668**	ug/L	4.953
|>	Tb	159	179598.494	237352.059		ug/L	
|	Tl r	205	444.017	234.006	**0.028**	ug/L	10.255
|	Tl	203	177.337	95.002	**0.027**	ug/L	21.755
|	U	238	10557.681	14.333	**0.676**	ug/L	3.229
⌊	Pb	208	2541.190	699.353	**0.153**	ug/L	7.235
⌈	Na	23	24078235.423	27097.287	**6.132**	mg/L	5.943
|	Mg	24	6100676.899	405.348	**2.204**	mg/L	5.477
|	K	39	4339265.646	467869.939	**0.577**	mg/L	6.446
|	Ca	44	1753572.157	11211.945	**10.506**	mg/L	5.879
|	Fe	54	31401.532	24278.329	**0.024**	mg/L	12.467
⌊>	Sc-1	45	267943.936	326012.180		ug/L	
	Kr	83	141.336	148.336		ug/L	
	Cl	35	25865253.963	27454688.427		mg/L	
	C	12	290821.724	345074.031		mg/L	
	Y	89	147448.689	189640.829		ug/L	
⌈	Br	79	814.051	2019.619	**-4.376**	ug/L	10.611
|	Br	81	11384.205	14687.828	**-1.708**	ug/L	90.261
⌊>	Ge-1	72	78161.244	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1789.559	2129.316		ug/L	
	Ho	165	174279.745	233253.622		ug/L	
	Th	232	138.003	71.001	**0.004**	ug/L	5.381
⌈	Mo	95	385.013	97.335	**0.184**	ug/L	2.869
|	Mo	97	237.339	68.668	**0.172**	ug/L	7.312
|	Mo r	98	607.512	155.226	**0.174**	ug/L	1.513
|	Rh	103	71.668	7.333		ug/L	
⌊>	In-1	115	153217.659	201011.882		ug/L	
	Ti	47	382.680	195.338		ug/L	
	Li	7	26567.071	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-13

Sample Description:
Autosampler Position: 30
Sample Date/Time: Tuesday, February 14, 2012 10:46:42
Dataset File: C:\Elandata\Dataset\EL120214\1202004-13.026
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	88.335	1.333	**0.298**	ug/L	19.849
|>	Li u	6	321306.613	373974.845		ug/L	
⌊	Li	6	318395.590	372040.788		ug/L	
⌈	Be	9	88.335	1.333	**0.304**	ug/L	19.870
|	B	11	5633.787	99.335	**15.394**	ug/L	4.807
|	Al	27	8385569.451	1258.449	**2246.265**	ug/L	6.842
|>	Sc	45	285627.337	326012.180		ug/L	
|	V r	51	13564.121	-1619.789	**2.339**	ug/L	10.606
|	V u	51	104376.214	100332.614	**2.594**	ug/L	18.100
|	Cr r	52	19156.698	9993.255	**1.968**	ug/L	8.031
|	Cr	53	32517.293	35155.627	**2.958**	ug/L	88.816
|	Mn	55	2210661.215	408.348	**265.284**	ug/L	27.601
|	Co	59	8766.759	28.334	**1.510**	ug/L	7.480
|	Ni r	60	3723.275	67.668	**3.065**	ug/L	9.277
|	Ni	62	567.693	89.335	**2.878**	ug/L	4.434
|	Cu r	63	13604.516	190.004	**5.605**	ug/L	7.100
⌊	Cu	65	6306.984	92.335	**5.626**	ug/L	5.774
⌈	Zn r	66	8686.327	269.007	**13.261**	ug/L	4.694
|	Zn	67	4580.077	1678.202	**26.481**	ug/L	7.437
|	Zn	68	9164.892	340.011	**18.924**	ug/L	6.372
|>	Ge	72	77982.755	98142.756		ug/L	
|	As r	75	2309.404	-144.551	**2.841**	ug/L	11.756
|	As u	75	7341.245	7238.477	**2.010**	ug/L	22.068
|	Se r	82	-0.220	-0.290	**-0.000**	ug/L	31600.484
|	Se	77	1614.783	2359.603	**-4.022**	ug/L	44.412
⌊	Sr	88	1768353.458	127.002	**164.263**	ug/L	6.141
⌈	Ag r	107	60.001	29.667	**0.008**	ug/L	18.831
|	Ag	109	46.001	23.334	**0.007**	ug/L	44.794
|	Cd r	111	157.704	162.767	**0.030**	ug/L	33.249
|	Cd	106	-2134.065	-2408.095	**-2.939**	ug/L	20.265
|	Cd	108	-2241.848	-2520.806	**-4.252**	ug/L	19.685
|	Cd	114	62.240	30.477	**0.015**	ug/L	26.451
|	Cd u	111	26.334	14.000	**0.014**	ug/L	42.594
|>	In	115	154105.163	201011.882		ug/L	
|	Sb r	123	124.700	36.661	**0.036**	ug/L	10.952
⌊	Sb	121	156.670	52.334	**0.033**	ug/L	8.523

⌈	Sn	118	339.011	131.336	**0.074**	ug/L	11.945
|	Sn r	120	457.352	184.004	**0.072**	ug/L	8.048
|	Ba r	137	330894.057	34.667	**200.845**	ug/L	6.313
|	Ba	135	190640.344	19.000	**201.194**	ug/L	7.429
|>	Tb	159	181313.693	237352.059		ug/L	
|	Tl r	205	596.696	234.006	**0.043**	ug/L	9.511
|	Tl	203	233.673	95.002	**0.041**	ug/L	2.557
|	U	238	10557.690	14.333	**0.670**	ug/L	6.001
L	Pb	208	120706.615	699.353	**9.063**	ug/L	6.129
⌈	Na	23	29589486.607	27097.287	**7.069**	mg/L	6.730
|	Mg	24	7612792.864	405.348	**2.580**	mg/L	6.556
|	K	39	8174415.657	467869.939	**1.062**	mg/L	6.954
|	Ca	44	1846263.635	11211.945	**10.375**	mg/L	6.976
|	Fe	54	1332458.815	24278.329	**2.566**	mg/L	7.111
L>	Sc-1	45	285627.337	326012.180		ug/L	
	Kr	83	140.336	148.336		ug/L	
	Cl	35	25989340.401	27454688.427		mg/L	
	C	12	307584.763	345074.031		mg/L	
	Y	89	158111.759	189640.829		ug/L	
⌈	Br	79	1117.426	2019.619	**-2.692**	ug/L	3.659
|	Br	81	11177.894	14687.828	**-2.674**	ug/L	30.376
L>	Ge-1	72	77982.755	98142.756		ug/L	
	Ru	99	2.333	1.333		ug/L	
	Pd	105	1913.590	2129.316		ug/L	
	Ho	165	175839.964	233253.622		ug/L	
	Th	232	9392.497	71.001	**0.557**	ug/L	3.821
⌈	Mo	95	555.026	97.335	**0.282**	ug/L	7.302
|	Mo	97	363.679	68.668	**0.287**	ug/L	11.700
|	Mo r	98	917.362	155.226	**0.283**	ug/L	10.452
|	Rh	103	76.001	7.333		ug/L	
L>	In-1	115	154105.163	201011.882		ug/L	
	Ti	47	5845.976	195.338		ug/L	
	Li	7	35894.247	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Sample greater than CLM3
Mn 55 Upper, S, EEE	Mn	55	Sample greater than CLM3
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21006-DUP3

Sample Description:
Autosampler Position: 31
Sample Date/Time: Tuesday, February 14, 2012 10:52:00
Dataset File: C:\Elandata\Dataset\EL120214\BB21006-DUP3.027
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	71.001	1.333	0.244	ug/L	18.587
|>	Li u	6	313835.240	373974.845		ug/L	
L	Li	6	311023.831	372040.788		ug/L	
⌈	Be	9	71.001	1.333	0.247	ug/L	18.436
|	B	11	5400.954	99.335	14.936	ug/L	6.061
|	Al	27	8035564.412	1258.449	2179.126	ug/L	4.384
|>	Sc	45	281984.925	326012.180		ug/L	
|	V r	51	14343.693	-1619.789	2.492	ug/L	1.871
|	V u	51	103594.838	100332.614	2.678	ug/L	14.391
|	Cr r	52	18527.480	9993.255	1.893	ug/L	4.814
|	Cr	53	32024.209	35155.627	2.799	ug/L	55.531
|	Mn	55	1876893.253	408.348	227.565	ug/L	3.393
|	Co	59	8540.829	28.334	1.489	ug/L	4.164
|	Ni r	60	3604.548	67.668	3.003	ug/L	4.613
|	Ni	62	538.691	89.335	2.747	ug/L	5.374
|	Cu r	63	13212.816	190.004	5.510	ug/L	4.291
L	Cu	65	6155.524	92.335	5.559	ug/L	1.931
⌈	Zn r	66	8401.005	269.007	12.962	ug/L	3.468
|	Zn	67	4459.337	1678.202	25.897	ug/L	2.624
|	Zn	68	8762.078	340.011	18.274	ug/L	3.418
|>	Ge	72	77113.055	98142.756		ug/L	
|	As r	75	2138.957	-144.551	2.671	ug/L	12.440
|	As u	75	7136.718	7238.477	1.854	ug/L	25.881
|	Se r	82	-10.560	-0.290	-0.109	ug/L	92.970
|	Se	77	1553.097	2359.603	-4.714	ug/L	26.587
L	Sr	88	1718755.762	127.002	161.447	ug/L	4.783
⌈	Ag r	107	63.334	29.667	0.009	ug/L	38.780
|	Ag	109	44.001	23.334	0.006	ug/L	31.817
|	Cd r	111	161.020	162.767	0.035	ug/L	13.577
|	Cd	106	-2148.980	-2408.095	-3.440	ug/L	8.474
|	Cd	108	-2260.256	-2520.806	-4.999	ug/L	7.487
|	Cd	114	55.336	30.477	0.013	ug/L	24.231
|	Cd u	111	25.667	14.000	0.014	ug/L	47.045
|>	In	115	151641.648	201011.882		ug/L	
|	Sb r	123	131.742	36.661	0.039	ug/L	16.354
L	Sb	121	161.003	52.334	0.034	ug/L	11.393

⌈	Sn	118	323.010	131.336	**0.071**	ug/L	9.267
|	Sn r	120	451.018	184.004	**0.072**	ug/L	6.175
|	Ba r	137	316596.383	34.667	**196.119**	ug/L	4.269
|	Ba	135	184909.423	19.000	**199.150**	ug/L	3.970
|>	Tb	159	177636.704	237352.059		ug/L	
|	Tl r	205	529.357	234.006	**0.038**	ug/L	7.536
|	Tl	203	232.006	95.002	**0.042**	ug/L	4.416
|	U	238	10280.304	14.333	**0.665**	ug/L	4.201
⌊	Pb	208	116131.487	699.353	**8.899**	ug/L	5.120
⌈	Na	23	28394508.570	27097.287	**6.867**	mg/L	3.293
|	Mg	24	7355735.340	405.348	**2.523**	mg/L	3.869
|	K	39	7762297.664	467869.939	**1.019**	mg/L	3.770
|	Ca	44	1774337.227	11211.945	**10.092**	mg/L	3.827
|	Fe	54	1282130.227	24278.329	**2.499**	mg/L	3.905
⌊>	Sc-1	45	281984.925	326012.180		ug/L	
	Kr	83	141.003	148.336		ug/L	
	Cl	35	25188193.235	27454688.427		mg/L	
	C	12	291333.688	345074.031		mg/L	
	Y	89	156571.278	189640.829		ug/L	
⌈	Br	79	979.406	2019.619	**-3.392**	ug/L	12.312
|	Br	81	11274.370	14687.828	**-1.464**	ug/L	18.685
⌊>	Ge-1	72	77113.055	98142.756		ug/L	
	Ru	99	2.667	1.333		ug/L	
	Pd	105	1926.594	2129.316		ug/L	
	Ho	165	173567.676	233253.622		ug/L	
	Th	232	9410.848	71.001	**0.558**	ug/L	0.969
⌈	Mo	95	569.360	97.335	**0.296**	ug/L	0.769
|	Mo	97	332.344	68.668	**0.263**	ug/L	8.910
|	Mo r	98	888.913	155.226	**0.278**	ug/L	4.981
|	Rh	103	69.668	7.333		ug/L	
⌊>	In-1	115	151641.648	201011.882		ug/L	
	Ti	47	4703.487	195.338		ug/L	
	Li	7	34665.951	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Sample greater than CLM3
Mn 55 Upper, S, EEE	Mn	55	Sample greater than CLM3
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-14

Sample Description:
Autosampler Position: 32
Sample Date/Time: Tuesday, February 14, 2012 10:57:19
Dataset File: C:\Elandata\Dataset\EL120214\1202004-14.028
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.000	ug/L	1467.332
|>	Li u	6	322816.357	373974.845		ug/L	
⌊	Li	6	320407.508	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	1911.198
|	B	11	5286.206	99.335	15.229	ug/L	7.322
|	Al	27	3561.545	1258.449	0.711	ug/L	27.026
|>	Sc	45	270921.578	326012.180		ug/L	
|	V r	51	786.779	-1619.789	0.351	ug/L	24.230
|	V u	51	92410.018	100332.614	1.500	ug/L	17.982
|	Cr r	52	7966.204	9993.255	-0.068	ug/L	27.578
|	Cr	53	31834.725	35155.627	4.732	ug/L	24.719
|	Mn	55	1055671.495	408.348	133.265	ug/L	5.562
|	Co	59	783.381	28.334	0.138	ug/L	6.705
|	Ni r	60	618.364	67.668	0.496	ug/L	5.780
|	Ni	62	78.668	89.335	0.028	ug/L	153.734
|	Cu r	63	502.688	190.004	0.151	ug/L	3.821
⌊	Cu	65	195.338	92.335	0.113	ug/L	4.624
⌈	Zn r	66	828.720	269.007	0.994	ug/L	4.344
|	Zn	67	3131.002	1678.202	15.282	ug/L	2.021
|	Zn	68	2653.485	340.011	5.211	ug/L	6.907
|>	Ge	72	76112.826	98142.756		ug/L	
|	As r	75	231.815	-144.551	0.412	ug/L	59.845
|	As u	75	5550.391	7238.477	-0.082	ug/L	58.222
|	Se r	82	3.615	-0.290	0.041	ug/L	115.449
|	Se	77	1692.282	2359.603	-2.178	ug/L	64.314
⌊	Sr	88	1679136.920	127.002	159.833	ug/L	5.158
⌈	Ag r	107	20.000	29.667	-0.001	ug/L	174.053
|	Ag	109	16.000	23.334	-0.000	ug/L	69.023
|	Cd r	111	107.558	162.767	-0.015	ug/L	39.772
|	Cd	106	-1982.531	-2408.095	-1.477	ug/L	47.686
|	Cd	108	-2051.183	-2520.806	-1.749	ug/L	49.648
|	Cd	114	10.714	30.477	-0.005	ug/L	26.184
|	Cd u	111	5.667	14.000	-0.005	ug/L	49.860
|>	In	115	153449.839	201011.882		ug/L	
|	Sb r	123	51.371	36.661	0.009	ug/L	11.964
⌊	Sb	121	53.334	52.334	0.004	ug/L	59.160

⌈	Sn	118	147.336	131.336	**0.015**	ug/L	15.357
|	Sn r	120	207.338	184.004	**0.015**	ug/L	17.221
|	Ba r	137	231405.220	34.667	**141.362**	ug/L	5.008
|	Ba	135	133788.166	19.000	**142.102**	ug/L	5.161
|>	Tb	159	180131.385	237352.059		ug/L	
|	Tl r	205	304.676	234.006	**0.013**	ug/L	9.335
|	Tl	203	125.669	95.002	**0.014**	ug/L	33.591
|	U	238	6848.451	14.333	**0.437**	ug/L	4.698
⌊	Pb	208	518.012	699.353	**-0.001**	ug/L	469.866
⌈	Na	23	28017814.885	27097.287	**7.056**	mg/L	5.426
|	Mg	24	5745989.565	405.348	**2.053**	mg/L	5.879
|	K	39	3907595.196	467869.939	**0.507**	mg/L	5.042
|	Ca	44	1664031.190	11211.945	**9.854**	mg/L	5.222
|	Fe	54	42893.517	24278.329	**0.047**	mg/L	9.157
⌊>	Sc-1	45	270921.578	326012.180		ug/L	
	Kr	83	121.002	148.336		ug/L	
	Cl	35	24947916.769	27454688.427		mg/L	
	C	12	293569.569	345074.031		mg/L	
	Y	89	146290.639	189640.829		ug/L	
⌈	Br	79	1020.745	2019.619	**-3.085**	ug/L	15.176
|	Br	81	10852.093	14687.828	**-3.003**	ug/L	14.545
⌊>	Ge-1	72	76112.826	98142.756		ug/L	
	Ru	99	0.333	1.333		ug/L	
	Pd	105	1737.214	2129.316		ug/L	
	Ho	165	173818.441	233253.622		ug/L	
	Th	232	137.003	71.001	**0.004**	ug/L	30.642
⌈	Mo	95	450.018	97.335	**0.222**	ug/L	7.208
|	Mo	97	298.342	68.668	**0.228**	ug/L	10.784
|	Mo r	98	733.118	155.226	**0.219**	ug/L	5.135
|	Rh	103	74.334	7.333		ug/L	
⌊>	In-1	115	153449.839	201011.882		ug/L	
	Ti	47	326.010	195.338		ug/L	
	Li	7	29702.201	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn 55	Sample greater than CLM3
Ba r 137 Upper, S, EEE	Ba r 137	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-15

Sample Description:
Autosampler Position: 33
Sample Date/Time: Tuesday, February 14, 2012 11:02:39
Dataset File: C:\Elandata\Dataset\EL120214\1202004-15.029
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	**0.001**	ug/L	621.086
|>	Li u	6	324423.509	373974.845		ug/L	
⌊	Li	6	322258.638	372040.788		ug/L	
⌈	Be	9	1.333	1.333	**0.001**	ug/L	468.875
|	B	11	3556.526	99.335	**10.365**	ug/L	7.641
|	Al	27	49092.278	1258.449	**13.838**	ug/L	9.218
|>	Sc	45	265843.061	326012.180		ug/L	
|	V r	51	645.348	-1619.789	**0.332**	ug/L	66.554
|	V u	51	102045.908	100332.614	**3.424**	ug/L	22.776
|	Cr r	52	9529.329	9993.255	**0.281**	ug/L	19.889
|	Cr	53	34872.219	35155.627	**11.410**	ug/L	12.584
|	Mn	55	46331.698	408.348	**5.921**	ug/L	8.320
|	Co	59	286.008	28.334	**0.049**	ug/L	3.128
|	Ni r	60	669.703	67.668	**0.552**	ug/L	8.427
|	Ni	62	91.335	89.335	**0.117**	ug/L	66.885
|	Cu r	63	14025.963	190.004	**6.217**	ug/L	8.792
⌊	Cu	65	6500.489	92.335	**6.240**	ug/L	9.369
⌈	Zn r	66	652.701	269.007	**0.713**	ug/L	13.105
|	Zn	67	2938.924	1678.202	**13.699**	ug/L	4.814
|	Zn	68	1648.194	340.011	**3.022**	ug/L	12.837
|>	Ge	72	76063.338	98142.756		ug/L	
|	As r	75	222.117	-144.551	**0.400**	ug/L	45.682
|	As u	75	6556.861	7238.477	**1.229**	ug/L	27.930
|	Se r	82	1.246	-0.290	**0.015**	ug/L	490.368
|	Se	77	1955.321	2359.603	**2.018**	ug/L	49.289
⌊	Sr	88	1489033.600	127.002	**141.848**	ug/L	7.057
⌈	Ag r	107	33.000	29.667	**0.002**	ug/L	45.799
|	Ag	109	22.667	23.334	**0.001**	ug/L	129.958
|	Cd r	111	115.421	162.767	**-0.006**	ug/L	104.750
|	Cd	106	-1971.300	-2408.095	**-1.803**	ug/L	39.649
|	Cd	108	-2046.776	-2520.806	**-2.306**	ug/L	46.309
|	Cd	114	13.696	30.477	**-0.004**	ug/L	70.342
|	Cd u	111	8.333	14.000	**-0.002**	ug/L	122.234
|>	In	115	150179.732	201011.882		ug/L	
|	Sb r	123	91.032	36.661	**0.024**	ug/L	22.872
⌊	Sb	121	107.002	52.334	**0.019**	ug/L	20.472

⌈	Sn	118	732.042	131.336	**0.199**	ug/L	2.469
|	Sn r	120	996.741	184.004	**0.197**	ug/L	6.381
|	Ba r	137	120261.239	34.667	**74.193**	ug/L	7.681
|	Ba	135	69741.460	19.000	**74.808**	ug/L	7.464
|>	Tb	159	178301.211	237352.059		ug/L	
|	Tl r	205	274.674	234.006	**0.010**	ug/L	15.357
|	Tl	203	112.002	95.002	**0.011**	ug/L	5.171
|	U	238	10824.760	14.333	**0.698**	ug/L	9.352
⌊	Pb	208	10773.755	699.353	**0.786**	ug/L	9.083
⌈	Na	23	22426066.486	27097.287	**5.756**	mg/L	8.315
|	Mg	24	5883575.766	405.348	**2.142**	mg/L	8.521
|	K	39	4219744.528	467869.939	**0.564**	mg/L	8.931
|	Ca	44	1685038.385	11211.945	**10.173**	mg/L	8.339
|	Fe	54	75472.451	24278.329	**0.117**	mg/L	10.078
⌊>	Sc-1	45	265843.061	326012.180		ug/L	
	Kr	83	125.002	148.336		ug/L	
	Cl	35	25610087.124	27454688.427		mg/L	
	C	12	295451.851	345074.031		mg/L	
	Y	89	145287.052	189640.829		ug/L	
⌈	Br	79	865.391	2019.619	**-3.962**	ug/L	10.265
|	Br	81	11011.991	14687.828	**-2.059**	ug/L	104.843
⌊>	Ge-1	72	76063.338	98142.756		ug/L	
	Ru	99	0.333	1.333		ug/L	
	Pd	105	1733.213	2129.316		ug/L	
	Ho	165	172939.197	233253.622		ug/L	
	Th	232	146.336	71.001	**0.005**	ug/L	15.385
⌈	Mo	95	342.344	97.335	**0.163**	ug/L	9.219
|	Mo	97	213.005	68.668	**0.153**	ug/L	16.762
|	Mo r	98	563.212	155.226	**0.163**	ug/L	14.761
|	Rh	103	74.334	7.333		ug/L	
⌊>	In-1	115	150179.732	201011.882		ug/L	
	Ti	47	427.016	195.338		ug/L	
	Li	7	26693.845	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21006-MS3

Sample Description:
Autosampler Position: 34
Sample Date/Time: Tuesday, February 14, 2012 11:07:59
Dataset File: C:\Elandata\Dataset\EL120214\BB21006-MS3.030
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	611.697	1.333	**2.050**	ug/L	3.443
|>	Li u	6	326350.785	373974.845		ug/L	
⌊	Li	6	322435.479	372040.788		ug/L	
⌈	Be	9	611.697	1.333	**2.218**	ug/L	2.710
|	B	11	10764.301	99.335	**30.883**	ug/L	1.471
|	Al	27	333830.025	1258.449	**92.873**	ug/L	2.805
|>	Sc	45	274053.508	326012.180		ug/L	
|	V r	51	121608.369	-1619.789	**20.028**	ug/L	3.140
|	V u	51	222791.610	100332.614	**22.690**	ug/L	3.863
|	Cr r	52	110503.831	9993.255	**20.118**	ug/L	3.234
|	Cr	53	46566.351	35155.627	**30.323**	ug/L	6.359
|	Mn	55	206597.850	408.348	**25.738**	ug/L	3.040
|	Co	59	111408.697	28.334	**20.043**	ug/L	2.777
|	Ni r	60	22983.205	67.668	**19.977**	ug/L	3.629
|	Ni	62	3293.738	89.335	**19.717**	ug/L	3.100
|	Cu r	63	59175.126	190.004	**25.643**	ug/L	3.379
⌊	Cu	65	27790.096	92.335	**26.091**	ug/L	4.083
⌈	Zn r	66	13670.277	269.007	**20.893**	ug/L	2.800
|	Zn	67	5444.647	1678.202	**33.175**	ug/L	1.453
|	Zn	68	11945.390	340.011	**24.637**	ug/L	2.819
|>	Ge	72	78597.990	98142.756		ug/L	
|	As r	75	17630.548	-144.551	**20.631**	ug/L	3.344
|	As u	75	23167.747	7238.477	**21.777**	ug/L	3.756
|	Se r	82	1985.824	-0.290	**20.391**	ug/L	3.768
|	Se	77	3357.452	2359.603	**22.578**	ug/L	8.009
⌊	Sr	88	1738045.886	127.002	**160.163**	ug/L	2.625
⌈	Ag r	107	8806.798	29.667	**1.942**	ug/L	5.245
|	Ag	109	8465.741	23.334	**1.982**	ug/L	2.179
|	Cd r	111	2315.123	162.767	**1.958**	ug/L	3.295
|	Cd	106	-1808.415	-2408.095	**0.571**	ug/L	164.540
|	Cd	108	-1903.193	-2520.806	**0.669**	ug/L	183.725
|	Cd	114	5090.679	30.477	**1.980**	ug/L	3.715
|	Cd u	111	2252.352	14.000	**1.998**	ug/L	3.139
|>	In	115	155763.781	201011.882		ug/L	
|	Sb r	123	55370.079	36.661	**20.194**	ug/L	4.647
⌊	Sb	121	72992.592	52.334	**20.124**	ug/L	4.337

⌈	Sn	118	64666.768	131.336	**19.978**	ug/L	3.338
|	Sn r	120	89173.567	184.004	**20.134**	ug/L	3.003
|	Ba r	137	252533.987	34.667	**153.589**	ug/L	3.016
|	Ba	135	147499.939	19.000	**155.989**	ug/L	3.303
|>	Tb	159	180879.641	237352.059		ug/L	
|	Tl r	205	189058.470	234.006	**19.690**	ug/L	1.902
|	Tl	203	76697.358	95.002	**19.573**	ug/L	3.481
|	U	238	324934.571	14.333	**20.675**	ug/L	4.076
⌊	Pb	208	272997.574	699.353	**20.593**	ug/L	3.142
⌈	Na	23	24552690.584	27097.287	**6.109**	mg/L	2.334
|	Mg	24	7250269.011	405.348	**2.559**	mg/L	2.953
|	K	39	10189754.956	467869.939	**1.396**	mg/L	3.718
|	Ca	44	1831401.983	11211.945	**10.723**	mg/L	3.587
|	Fe	54	152878.567	24278.329	**0.270**	mg/L	4.514
⌊>	Sc-1	45	274053.508	326012.180		ug/L	
	Kr	83	132.669	148.336		ug/L	
	Cl	35	25139461.107	27454688.427		mg/L	
	C	12	301180.217	345074.031		mg/L	
	Y	89	147999.402	189640.829		ug/L	
⌈	Br	79	1565.508	2019.619	**-0.283**	ug/L	79.528
|	Br	81	12213.482	14687.828	**2.424**	ug/L	52.099
⌊>	Ge-1	72	78597.990	98142.756		ug/L	
	Ru	99	5.000	1.333		ug/L	
	Pd	105	1776.890	2129.316		ug/L	
	Ho	165	175962.075	233253.622		ug/L	
	Th	232	191.671	71.001	**0.007**	ug/L	7.963
⌈	Mo	95	34118.190	97.335	**19.777**	ug/L	3.547
|	Mo	97	21711.161	68.668	**19.785**	ug/L	4.255
|	Mo r	98	56866.752	155.226	**19.898**	ug/L	3.442
|	Rh	103	76.334	7.333		ug/L	
⌊>	In-1	115	155763.781	201011.882		ug/L	
	Ti	47	8955.636	195.338		ug/L	
	Li	7	48277.511	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r 137	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca 44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-16

Sample Description:
Autosampler Position: 35
Sample Date/Time: Tuesday, February 14, 2012 11:13:19
Dataset File: C:\Elandata\Dataset\EL120214\1202004-16.031
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
	Be r	9	1.333	1.333	0.001	ug/L	330.384
>	Li u	6	324390.067	373974.845		ug/L	
	Li	6	322219.310	372040.788		ug/L	
	Be	9	1.333	1.333	0.001	ug/L	227.529
	B	11	3550.522	99.335	10.469	ug/L	3.783
	Al	27	2333.711	1258.449	0.384	ug/L	5.308
>	Sc	45	262753.048	326012.180		ug/L	
	V r	51	-501.688	-1619.789	0.134	ug/L	251.391
	V u	51	119304.771	100332.614	6.567	ug/L	4.759
	Cr r	52	9858.081	9993.255	0.370	ug/L	6.332
	Cr	53	41358.016	35155.627	24.201	ug/L	5.758
	Mn	55	8358.289	408.348	1.045	ug/L	2.123
	Co	59	133.336	28.334	0.021	ug/L	14.747
	Ni r	60	590.362	67.668	0.487	ug/L	8.490
	Ni	62	82.335	89.335	0.066	ug/L	91.357
	Cu r	63	3239.048	190.004	1.399	ug/L	1.641
	Cu	65	1469.489	92.335	1.371	ug/L	7.339
	Zn r	66	421.682	269.007	0.338	ug/L	7.049
	Zn	67	3049.969	1678.202	14.469	ug/L	4.825
	Zn	68	1502.162	340.011	2.682	ug/L	3.149
>	Ge	72	76512.080	98142.756		ug/L	
	As r	75	84.281	-144.551	0.235	ug/L	141.291
	As u	75	8105.021	7238.477	3.168	ug/L	12.477
	Se r	82	-3.125	-0.290	-0.030	ug/L	501.537
	Se	77	2582.490	2359.603	11.735	ug/L	2.592
	Sr	88	1470508.647	127.002	139.205	ug/L	2.283
	Ag r	107	19.667	29.667	-0.001	ug/L	123.515
	Ag	109	19.000	23.334	0.000	ug/L	236.314
	Cd r	111	112.062	162.767	-0.009	ug/L	61.633
	Cd	106	-1971.697	-2408.095	-1.743	ug/L	41.323
	Cd	108	-2043.393	-2520.806	-2.170	ug/L	42.352
	Cd	114	12.375	30.477	-0.004	ug/L	40.326
	Cd u	111	7.000	14.000	-0.003	ug/L	78.654
>	In	115	150642.353	201011.882		ug/L	
	Sb r	123	89.287	36.661	0.023	ug/L	10.598
	Sb	121	100.335	52.334	0.017	ug/L	12.473

⌈	Sn	118	160.003	131.336	**0.020**	ug/L	37.005
|	Sn r	120	215.339	184.004	**0.018**	ug/L	25.111
|	Ba r	137	116312.293	34.667	**72.615**	ug/L	2.189
|	Ba	135	68046.378	19.000	**73.876**	ug/L	3.431
|>	Tb	159	176203.173	237352.059		ug/L	
|	Tl r	205	935.737	234.006	**0.082**	ug/L	43.741
|	Tl	203	401.015	95.002	**0.087**	ug/L	40.554
|	U	238	10789.004	14.333	**0.704**	ug/L	3.141
⌊	Pb	208	859.027	699.353	**0.026**	ug/L	12.133
⌈	Na	23	21587605.831	27097.287	**5.603**	mg/L	2.577
|	Mg	24	5806714.373	405.348	**2.138**	mg/L	2.751
|	K	39	4138706.531	467869.939	**0.559**	mg/L	2.749
|	Ca	44	1661916.657	11211.945	**10.147**	mg/L	2.489
|	Fe	54	21228.652	24278.329	**0.004**	mg/L	26.551
⌊>	Sc-1	45	262753.048	326012.180		ug/L	
	Kr	83	129.336	148.336		ug/L	
	Cl	35	30101339.343	27454688.427		mg/L	
	C	12	288859.534	345074.031		mg/L	
	Y	89	144481.752	189640.829		ug/L	
⌈	Br	79	917.064	2019.619	**-3.702**	ug/L	2.275
|	Br	81	10904.833	14687.828	**-3.018**	ug/L	26.002
⌊>	Ge-1	72	76512.080	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1727.545	2129.316		ug/L	
	Ho	165	171991.458	233253.622		ug/L	
	Th	232	68.668	71.001	**-0.000**	ug/L	343.749
⌈	Mo	95	381.680	97.335	**0.185**	ug/L	2.462
|	Mo	97	254.340	68.668	**0.192**	ug/L	13.870
|	Mo r	98	653.924	155.226	**0.195**	ug/L	12.228
⌊	Rh	103	60.334	7.333		ug/L	
⌊>	In-1	115	150642.353	201011.882		ug/L	
	Ti	47	342.011	195.338		ug/L	
	Li	7	26766.426	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-17

Sample Description:
Autosampler Position: 36
Sample Date/Time: Tuesday, February 14, 2012 11:18:40
Dataset File: C:\Elandata\Dataset\EL120214\1202004-17.032
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	43.001	1.333	**0.142**	ug/L	13.391
|>	Li u	6	322482.602	373974.845		ug/L	
⌊	Li	6	319709.753	372040.788		ug/L	
⌈	Be	9	43.001	1.333	**0.151**	ug/L	13.641
|	B	11	6469.787	99.335	**18.389**	ug/L	4.864
|	Al	27	4031995.216	1258.449	**1120.363**	ug/L	5.607
|>	Sc	45	275277.797	326012.180		ug/L	
|	V r	51	6126.107	-1619.789	**1.215**	ug/L	1.773
|	V u	51	104489.622	100332.614	**3.232**	ug/L	26.518
|	Cr r	52	13596.815	9993.255	**1.013**	ug/L	10.371
|	Cr	53	34603.762	35155.627	**8.751**	ug/L	37.420
|	Mn	55	1425129.592	408.348	**177.064**	ug/L	5.578
|	Co	59	4010.753	28.334	**0.714**	ug/L	5.158
|	Ni r	60	1922.593	67.668	**1.619**	ug/L	4.102
|	Ni	62	284.675	89.335	**1.277**	ug/L	12.785
|	Cu r	63	5799.245	190.004	**2.440**	ug/L	4.635
⌊	Cu	65	2660.487	92.335	**2.422**	ug/L	6.424
⌈	Zn r	66	3327.421	269.007	**4.923**	ug/L	5.616
|	Zn	67	3924.373	1678.202	**21.432**	ug/L	1.946
|	Zn	68	5312.555	340.011	**10.835**	ug/L	4.624
|>	Ge	72	77244.349	98142.756		ug/L	
|	As r	75	1153.968	-144.551	**1.500**	ug/L	11.528
|	As u	75	7256.167	7238.477	**1.991**	ug/L	29.764
|	Se r	82	-14.174	-0.290	**-0.146**	ug/L	97.522
|	Se	77	1926.572	2359.603	**1.097**	ug/L	248.207
⌊	Sr	88	3175497.265	127.002	**297.815**	ug/L	5.876
⌈	Ag r	107	37.000	29.667	**0.003**	ug/L	39.486
|	Ag	109	25.334	23.334	**0.002**	ug/L	54.483
|	Cd r	111	129.076	162.767	**0.005**	ug/L	137.884
|	Cd	106	-2045.317	-2408.095	**-2.167**	ug/L	12.237
|	Cd	108	-2130.878	-2520.806	**-2.915**	ug/L	13.648
|	Cd	114	40.855	30.477	**0.007**	ug/L	45.374
|	Cd u	111	16.334	14.000	**0.005**	ug/L	83.415
|>	In	115	153105.691	201011.882		ug/L	
⌈	Sb r	123	75.699	36.661	**0.018**	ug/L	24.361
⌊	Sb	121	100.668	52.334	**0.017**	ug/L	37.423

⌈	Sn	118	216.672	131.336	**0.037**	ug/L	33.331
|	Sn r	120	296.342	184.004	**0.036**	ug/L	13.265
|	Ba r	137	329198.012	34.667	**202.406**	ug/L	6.095
|	Ba	135	191678.762	19.000	**204.889**	ug/L	5.226
|>	Tb	159	178989.477	237352.059		ug/L	
|	Tl r	205	515.356	234.006	**0.036**	ug/L	13.291
|	Tl	203	215.005	95.002	**0.037**	ug/L	7.762
|	U	238	8266.530	14.333	**0.531**	ug/L	6.306
⌊	Pb	208	43036.673	699.353	**3.248**	ug/L	6.088
⌈	Na	23	31853184.774	27097.287	**7.895**	mg/L	5.276
|	Mg	24	6674414.459	405.348	**2.346**	mg/L	5.479
|	K	39	6295574.495	467869.939	**0.837**	mg/L	6.177
|	Ca	44	1733310.890	11211.945	**10.104**	mg/L	5.708
|	Fe	54	635219.338	24278.329	**1.248**	mg/L	6.042
⌊>	Sc-1	45	275277.797	326012.180		ug/L	
	Kr	83	135.003	148.336		ug/L	
	Cl	35	25571507.522	27454688.427		mg/L	
	C	12	288811.825	345074.031		mg/L	
	Y	89	150121.989	189640.829		ug/L	
⌈	Br	79	1162.100	2019.619	**-2.382**	ug/L	17.838
|	Br	81	11273.037	14687.828	**-1.571**	ug/L	104.232
⌊>	Ge-1	72	77244.349	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1816.566	2129.316		ug/L	
	Ho	165	172970.426	233253.622		ug/L	
	Th	232	4013.754	71.001	**0.236**	ug/L	2.228
⌈	Mo	95	507.689	97.335	**0.256**	ug/L	11.385
|	Mo	97	313.343	68.668	**0.243**	ug/L	3.742
|	Mo r	98	789.938	155.226	**0.240**	ug/L	5.027
|	Rh	103	83.335	7.333		ug/L	
⌊>	In-1	115	153105.691	201011.882		ug/L	
	Ti	47	4347.660	195.338		ug/L	
	Li	7	34190.496	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Al 27 Upper, S, EEE	Al	27	Sample greater than CLM3
Mn 55 Upper, S, EEE	Mn	55	Sample greater than CLM3
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-19

Sample Description:
Autosampler Position: 37
Sample Date/Time: Tuesday, February 14, 2012 11:24:02
Dataset File: C:\Elandata\Dataset\EL120214\1202004-19.033
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.001	ug/L	11.564
|>	Li u	6	325642.944	373974.845		ug/L	
⌊	Li	6	323493.563	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	15.044
|	B	11	3512.172	99.335	10.308	ug/L	5.728
|	Al	27	2738.520	1258.449	0.499	ug/L	21.504
|>	Sc	45	263838.403	326012.180		ug/L	
|	V r	51	463.915	-1619.789	0.301	ug/L	29.484
|	V u	51	101578.661	100332.614	3.470	ug/L	3.364
|	Cr r	52	8869.200	9993.255	0.160	ug/L	26.527
|	Cr	53	34904.361	35155.627	11.947	ug/L	3.195
|	Mn	55	7561.127	408.348	0.937	ug/L	4.973
|	Co	59	125.669	28.334	0.019	ug/L	10.849
|	Ni r	60	573.360	67.668	0.469	ug/L	2.369
|	Ni	62	82.668	89.335	0.066	ug/L	101.278
|	Cu r	63	7134.381	190.004	3.151	ug/L	4.928
⌊	Cu	65	3255.055	92.335	3.110	ug/L	4.128
⌈	Zn r	66	593.362	269.007	0.627	ug/L	2.974
|	Zn	67	2836.218	1678.202	13.072	ug/L	2.476
|	Zn	68	1612.852	340.011	2.977	ug/L	2.500
|>	Ge	72	75317.047	98142.756		ug/L	
|	As r	75	323.760	-144.551	0.528	ug/L	36.213
|	As u	75	6791.732	7238.477	1.618	ug/L	4.413
|	Se r	82	10.621	-0.290	0.117	ug/L	181.272
|	Se	77	2062.387	2359.603	4.037	ug/L	3.757
⌊	Sr	88	1490445.891	127.002	143.372	ug/L	5.104
⌈	Ag r	107	15.667	29.667	-0.001	ug/L	103.365
|	Ag	109	15.000	23.334	-0.001	ug/L	287.663
|	Cd r	111	103.386	162.767	-0.017	ug/L	89.794
|	Cd	106	-1981.703	-2408.095	-1.941	ug/L	15.999
|	Cd	108	-2044.615	-2520.806	-2.316	ug/L	16.472
|	Cd	114	11.949	30.477	-0.004	ug/L	38.755
|	Cd u	111	5.667	14.000	-0.004	ug/L	78.890
|>	In	115	149950.852	201011.882		ug/L	
|	Sb r	123	69.323	36.661	0.016	ug/L	15.126
⌊	Sb	121	80.335	52.334	0.012	ug/L	11.908

⌈	Sn	118	151.003	131.336	**0.017**	ug/L	39.321
|	Sn r	120	202.338	184.004	**0.015**	ug/L	23.327
|	Ba r	137	121007.837	34.667	**75.247**	ug/L	6.015
|	Ba	135	69947.672	19.000	**75.627**	ug/L	4.844
|>	Tb	159	176909.511	237352.059		ug/L	
|	Tl r	205	311.343	234.006	**0.015**	ug/L	10.624
|	Tl	203	127.669	95.002	**0.015**	ug/L	37.383
|	U	238	10224.565	14.333	**0.664**	ug/L	4.174
⌊	Pb	208	998.703	699.353	**0.037**	ug/L	8.540
⌈	Na	23	23429681.634	27097.287	**6.057**	mg/L	4.966
|	Mg	24	5917889.279	405.348	**2.170**	mg/L	5.002
|	K	39	4190957.406	467869.939	**0.564**	mg/L	5.656
|	Ca	44	1677475.850	11211.945	**10.202**	mg/L	5.133
|	Fe	54	20873.168	24278.329	**0.003**	mg/L	36.881
⌊>	Sc-1	45	263838.403	326012.180		ug/L	
	Kr	83	120.335	148.336		ug/L	
	Cl	35	24896026.076	27454688.427		mg/L	
	C	12	292816.147	345074.031		mg/L	
	Y	89	144600.145	189640.829		ug/L	
⌈	Br	79	844.722	2019.619	**-4.034**	ug/L	5.337
|	Br	81	10919.523	14687.828	**-1.985**	ug/L	46.831
⌊>	Ge-1	72	75317.047	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1730.545	2129.316		ug/L	
	Ho	165	173480.042	233253.622		ug/L	
	Th	232	77.334	71.001	**0.000**	ug/L	18.232
⌈	Mo	95	361.012	97.335	**0.174**	ug/L	6.966
|	Mo	97	221.339	68.668	**0.161**	ug/L	10.807
|	Mo r	98	592.401	155.226	**0.174**	ug/L	6.450
|	Rh	103	60.001	7.333		ug/L	
⌊>	In-1	115	149950.852	201011.882		ug/L	
	Ti	47	362.346	195.338		ug/L	
	Li	7	26502.843	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 11:29:17
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 2.034
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	14705.194	1.333	**50.748**	ug/L	2.706
|>	Li u	6	317462.600	373974.845		ug/L	
⌊	Li	6	315802.748	372040.788		ug/L	
⌈	Be	9	14705.194	1.333	**54.003**	ug/L	2.145
|	B	11	18499.405	99.335	**53.845**	ug/L	1.254
|	Al	27	186635.045	1258.449	**52.372**	ug/L	1.373
|>	Sc	45	271020.415	326012.180		ug/L	
|	V r	51	304632.184	-1619.789	**50.389**	ug/L	1.331
|	V u	51	396108.901	100332.614	**51.816**	ug/L	1.221
|	Cr r	52	263264.508	9993.255	**50.795**	ug/L	1.347
|	Cr	53	60162.979	35155.627	**55.746**	ug/L	2.870
|	Mn	55	401709.950	408.348	**50.642**	ug/L	1.674
|	Co	59	273711.714	28.334	**49.797**	ug/L	2.134
|	Ni r	60	56399.260	67.668	**49.642**	ug/L	1.631
|	Ni	62	8150.064	89.335	**50.022**	ug/L	1.862
|	Cu r	63	113158.095	190.004	**49.646**	ug/L	1.327
⌊	Cu	65	52601.788	92.335	**50.000**	ug/L	1.662
⌈	Zn r	66	32428.206	269.007	**51.483**	ug/L	0.376
|	Zn	67	8312.240	1678.202	**58.326**	ug/L	1.863
|	Zn	68	24256.433	340.011	**52.107**	ug/L	1.147
|>	Ge	72	76369.339	98142.756		ug/L	
|	As r	75	42121.741	-144.551	**50.524**	ug/L	1.001
|	As u	75	45017.131	7238.477	**50.808**	ug/L	0.696
|	Se r	82	4841.196	-0.290	**51.165**	ug/L	2.114
|	Se	77	5156.521	2359.603	**52.551**	ug/L	5.200
⌊	Sr	88	542434.400	127.002	**51.434**	ug/L	1.941
⌈	Ag r	107	219617.682	29.667	**50.294**	ug/L	0.394
|	Ag	109	207215.890	23.334	**50.366**	ug/L	0.618
|	Cd r	111	54123.550	162.767	**50.041**	ug/L	0.828
|	Cd	106	2997.184	-2408.095	**50.122**	ug/L	2.325
|	Cd	108	1752.943	-2520.806	**51.186**	ug/L	0.504
|	Cd	114	124166.864	30.477	**50.259**	ug/L	1.482
|	Cd u	111	54289.122	14.000	**50.114**	ug/L	0.874
|>	In	115	150303.178	201011.882		ug/L	
|	Sb r	123	133335.794	36.661	**50.388**	ug/L	0.650
⌊	Sb	121	175818.751	52.334	**50.229**	ug/L	0.601

⌈	Sn	118	160463.176	131.336	**51.073**	ug/L	0.433
|	Sn r	120	220300.994	184.004	**51.243**	ug/L	0.800
|	Ba r	137	81541.818	34.667	**51.034**	ug/L	0.462
|	Ba	135	47016.754	19.000	**51.163**	ug/L	0.614
|>	Tb	159	175696.850	237352.059		ug/L	
|	Tl r	205	478104.822	234.006	**51.277**	ug/L	1.728
|	Tl	203	195615.210	95.002	**51.407**	ug/L	0.960
|	U	238	769547.959	14.333	**50.395**	ug/L	0.533
⌊	Pb	208	648582.524	699.353	**50.417**	ug/L	1.245
⌈	Na	23	21924570.917	27097.287	**5.516**	mg/L	1.465
|	Mg	24	15451892.124	405.348	**5.515**	mg/L	1.617
|	K	39	37988219.128	467869.939	**5.417**	mg/L	1.458
|	Ca	44	856022.214	11211.945	**5.038**	mg/L	1.615
|	Fe	54	2530219.102	24278.329	**5.175**	mg/L	19.925
⌊>	Sc-1	45	271020.415	326012.180		ug/L	
	Kr	83	129.336	148.336		ug/L	
	Cl	35	26127414.764	27454688.427		mg/L	
	C	12	333208.398	345074.031		mg/L	
	Y	89	146389.619	189640.829		ug/L	
⌈	Br	79	10422.830	2019.619	**49.938**	ug/L	2.304
|	Br	81	20902.907	14687.828	**52.564**	ug/L	1.113
⌊>	Ge-1	72	76369.339	98142.756		ug/L	
	Ru	99	14.667	1.333		ug/L	
	Pd	105	1707.540	2129.316		ug/L	
	Ho	165	170129.256	233253.622		ug/L	
	Th	232	720540.384	71.001	**43.063**	ug/L	1.247
⌈	Mo	95	83438.653	97.335	**50.173**	ug/L	1.110
|	Mo	97	53215.313	68.668	**50.310**	ug/L	0.424
|	Mo r	98	138529.441	155.226	**50.279**	ug/L	0.478
|	Rh	103	39.334	7.333		ug/L	
⌊>	In-1	115	150303.178	201011.882		ug/L	
	Ti	47	195.338	195.338		ug/L	
	Li	7	20466.730	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 2	Cr	53	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Zn	67	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Na	23	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Mg	24	CCV (CLC) is out of limits (+/- 10%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 4

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 11:34:29
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 4.035
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	0.001	ug/L	456.315
|>	Li u	6	337622.830	373974.845		ug/L	
⌊	Li	6	335890.005	372040.788		ug/L	
⌈	Be	9	1.667	1.333	0.002	ug/L	397.256
|	B	11	218.339	99.335	0.383	ug/L	36.985
|	Al	27	1382.474	1258.449	0.085	ug/L	73.906
|>	Sc	45	278033.598	326012.180		ug/L	
|	V r	51	449.642	-1619.789	0.297	ug/L	51.184
|	V u	51	91065.860	100332.614	0.889	ug/L	32.761
|	Cr r	52	7771.004	9993.255	-0.146	ug/L	19.282
|	Cr	53	31296.945	35155.627	2.297	ug/L	63.854
|	Mn	55	383.680	408.348	0.004	ug/L	52.898
|	Co	59	40.334	28.334	0.003	ug/L	47.854
|	Ni r	60	51.334	67.668	-0.006	ug/L	139.509
|	Ni	62	81.668	89.335	0.033	ug/L	58.455
|	Cu r	63	146.336	190.004	-0.007	ug/L	60.505
⌊	Cu	65	84.001	92.335	0.005	ug/L	94.471
⌈	Zn r	66	145.670	269.007	-0.113	ug/L	15.961
|	Zn	67	2581.793	1678.202	9.592	ug/L	5.588
|	Zn	68	321.010	340.011	0.089	ug/L	65.320
|>	Ge	72	80194.741	98142.756		ug/L	
|	As r	75	-11.028	-144.551	0.122	ug/L	75.119
|	As u	75	4507.703	7238.477	-1.732	ug/L	16.952
|	Se r	82	-2.189	-0.290	-0.016	ug/L	2236.021
|	Se	77	1363.755	2359.603	-8.509	ug/L	7.923
⌊	Sr	88	164.003	127.002	0.005	ug/L	6.552
⌈	Ag r	107	53.667	29.667	0.006	ug/L	58.774
|	Ag	109	39.334	23.334	0.005	ug/L	66.781
|	Cd r	111	132.712	162.767	0.001	ug/L	710.780
|	Cd	106	-2001.038	-2408.095	-0.584	ug/L	93.956
|	Cd	108	-2094.111	-2520.806	-0.814	ug/L	109.138
|	Cd	114	17.419	30.477	-0.003	ug/L	59.507
|	Cd u	111	9.667	14.000	-0.001	ug/L	140.981
|>	In	115	162031.643	201011.882		ug/L	
|	Sb r	123	27.037	36.661	-0.001	ug/L	180.896
⌊	Sb	121	45.667	52.334	0.001	ug/L	330.249

⌈	Sn	118	158.337	131.336	**0.015**	ug/L	23.602
|	Sn r	120	211.005	184.004	**0.013**	ug/L	16.561
|	Ba r	137	46.667	34.667	**0.011**	ug/L	29.830
|	Ba	135	23.334	19.000	**0.008**	ug/L	21.724
|>	Tb	159	191889.345	237352.059		ug/L	
|	Tl r	205	1675.881	234.006	**0.147**	ug/L	40.918
|	Tl	203	629.701	95.002	**0.134**	ug/L	42.672
|	U	238	97.335	14.333	**0.005**	ug/L	16.804
L	Pb	208	405.675	699.353	**-0.011**	ug/L	13.254
⌈	Na	23	22569.622	27097.287	**-0.000**	mg/L	129.284
|	Mg	24	1357.133	405.348	**0.000**	mg/L	7.188
|	K	39	396436.914	467869.939	**-0.000**	mg/L	350.423
|	Ca	44	8176.761	11211.945	**-0.008**	mg/L	21.460
|	Fe	54	20186.223	24278.329	**-0.001**	mg/L	95.830
L>	Sc-1	45	278033.598	326012.180		ug/L	
	Kr	83	136.669	148.336		ug/L	
	Cl	35	25802082.685	27454688.427		mg/L	
	C	12	304227.657	345074.031		mg/L	
	Y	89	155331.559	189640.829		ug/L	
⌈	Br	79	1741.214	2019.619	**0.492**	ug/L	53.828
|	Br	81	12548.353	14687.828	**2.897**	ug/L	31.760
L>	Ge-1	72	80194.741	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1769.221	2129.316		ug/L	
	Ho	165	184262.245	233253.622		ug/L	
	Th	232	521.690	71.001	**0.027**	ug/L	30.095
⌈	Mo	95	136.336	97.335	**0.032**	ug/L	22.220
|	Mo	97	87.001	68.668	**0.028**	ug/L	40.034
|	Mo r	98	193.487	155.226	**0.023**	ug/L	30.888
|	Rh	103	4.000	7.333		ug/L	
L>	In-1	115	162031.643	201011.882		ug/L	
	Ti	47	162.003	195.338		ug/L	
	Li	7	21366.528	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 4	V u	51	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cr	53	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Zn	67	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	As u	75	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	106	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	108	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	79	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	81	IBL (LCB) is out of limits (+/- 0.400ug/L)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-20

Sample Description:
Autosampler Position: 38
Sample Date/Time: Tuesday, February 14, 2012 11:39:49
Dataset File: C:\Elandata\Dataset\EL120214\1202004-20.036
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	2.333	1.333	**0.004**	ug/L	46.981
|>	Li u	6	319411.875	373974.845		ug/L	
⌊	Li	6	316944.405	372040.788		ug/L	
⌈	Be	9	2.333	1.333	**0.005**	ug/L	44.088
|	B	11	5917.341	99.335	**17.351**	ug/L	8.357
|	Al	27	2808.222	1258.449	**0.512**	ug/L	36.116
|>	Sc	45	266769.311	326012.180		ug/L	
|	V r	51	173.376	-1619.789	**0.250**	ug/L	40.124
|	V u	51	89860.895	100332.614	**1.314**	ug/L	46.146
|	Cr r	52	7881.781	9993.255	**-0.059**	ug/L	44.188
|	Cr	53	30960.167	35155.627	**4.036**	ug/L	46.160
|	Mn	55	912725.288	408.348	**117.041**	ug/L	6.215
|	Co	59	562.026	28.334	**0.100**	ug/L	7.651
|	Ni r	60	573.694	67.668	**0.464**	ug/L	9.279
|	Ni	62	87.668	89.335	**0.092**	ug/L	39.130
|	Cu r	63	471.019	190.004	**0.141**	ug/L	7.510
⌊	Cu	65	162.003	92.335	**0.084**	ug/L	23.301
⌈	Zn r	66	383.013	269.007	**0.285**	ug/L	14.711
|	Zn	67	3186.692	1678.202	**15.963**	ug/L	7.823
|	Zn	68	2697.500	340.011	**5.354**	ug/L	6.757
|>	Ge	72	75541.321	98142.756		ug/L	
|	As r	75	277.435	-144.551	**0.474**	ug/L	67.214
|	As u	75	5345.579	7238.477	**-0.288**	ug/L	163.285
|	Se r	82	-2.502	-0.290	**-0.027**	ug/L	609.963
|	Se	77	1555.481	2359.603	**-4.169**	ug/L	13.830
⌊	Sr	88	2753209.989	127.002	**264.895**	ug/L	28.154
⌈	Ag r	107	27.334	29.667	**0.001**	ug/L	65.539
|	Ag	109	19.667	23.334	**0.001**	ug/L	258.329
|	Cd r	111	117.994	162.767	**-0.004**	ug/L	274.887
|	Cd	106	-2087.871	-2408.095	**-2.970**	ug/L	39.556
|	Cd	108	-2168.090	-2520.806	**-3.941**	ug/L	34.448
|	Cd	114	12.631	30.477	**-0.004**	ug/L	50.769
|	Cd u	111	3.667	14.000	**-0.006**	ug/L	32.021
|>	In	115	150565.985	201011.882		ug/L	
|	Sb r	123	46.952	36.661	**0.007**	ug/L	24.689
⌊	Sb	121	40.667	52.334	**0.000**	ug/L	355.090

⌈	Sn	118	138.003	131.336	**0.013**	ug/L	12.372
|	Sn r	120	191.004	184.004	**0.013**	ug/L	46.369
|	Ba r	137	276121.654	34.667	**172.000**	ug/L	7.186
|	Ba	135	160845.125	19.000	**174.196**	ug/L	6.901
|>	Tb	159	176738.573	237352.059		ug/L	
|	Tl r	205	547.358	234.006	**0.040**	ug/L	9.734
|	Tl	203	225.672	95.002	**0.041**	ug/L	22.666
|	U	238	6323.334	14.333	**0.411**	ug/L	7.805
⌊	Pb	208	431.676	699.353	**-0.007**	ug/L	52.859
⌈	Na	23	31137445.971	27097.287	**7.968**	mg/L	7.391
|	Mg	24	5910111.160	405.348	**2.145**	mg/L	7.210
|	K	39	4111957.292	467869.939	**0.546**	mg/L	7.835
|	Ca	44	1639890.538	11211.945	**9.866**	mg/L	6.656
|	Fe	54	75377.872	24278.329	**0.116**	mg/L	8.997
⌊>	Sc-1	45	266769.311	326012.180		ug/L	
	Kr	83	134.336	148.336		ug/L	
	Cl	35	24950624.109	27454688.427		mg/L	
	C	12	308170.540	345074.031		mg/L	
	Y	89	145611.871	189640.829		ug/L	
⌈	Br	79	1385.139	2019.619	**-0.957**	ug/L	61.431
|	Br	81	11663.959	14687.828	**2.018**	ug/L	86.710
⌊>	Ge-1	72	75541.321	98142.756		ug/L	
	Ru	99	0.333	1.333		ug/L	
	Pd	105	1833.904	2129.316		ug/L	
	Ho	165	171394.510	233253.622		ug/L	
	Th	232	196.671	71.001	**0.008**	ug/L	11.812
⌈	Mo	95	433.683	97.335	**0.217**	ug/L	10.227
|	Mo	97	278.008	68.668	**0.214**	ug/L	6.549
|	Mo r	98	728.673	155.226	**0.223**	ug/L	14.941
|	Rh	103	90.001	7.333		ug/L	
⌊>	In-1	115	150565.985	201011.882		ug/L	
	Ti	47	321.677	195.338		ug/L	
	Li	7	30425.025	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message
Mn 55 Upper, S, EEE	Mn 55	Sample greater than CLM3
Ba r 137 Upper, S, EEE	Ba r 137	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-21

Sample Description:
Autosampler Position: 39
Sample Date/Time: Tuesday, February 14, 2012 11:45:11
Dataset File: C:\Elandata\Dataset\EL120214\1202004-21.037
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.001	ug/L	644.428
|>	Li u	6	322122.181	373974.845		ug/L	
⌊	Li	6	320254.015	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	1277.977
|	B	11	897.395	99.335	2.452	ug/L	4.326
|	Al	27	18926.946	1258.449	5.190	ug/L	11.934
|>	Sc	45	264056.877	326012.180		ug/L	
|	V r	51	689.479	-1619.789	0.336	ug/L	117.481
|	V u	51	97670.123	100332.614	2.791	ug/L	5.705
|	Cr r	52	8825.815	9993.255	0.150	ug/L	15.834
|	Cr	53	33334.413	35155.627	8.995	ug/L	15.387
|	Mn	55	6848.454	408.348	0.844	ug/L	6.010
|	Co	59	149.003	28.334	0.024	ug/L	4.710
|	Ni r	60	520.690	67.668	0.422	ug/L	12.909
|	Ni	62	77.668	89.335	0.034	ug/L	84.197
|	Cu r	63	2546.114	190.004	1.079	ug/L	6.312
⌊	Cu	65	1200.773	92.335	1.101	ug/L	11.091
⌈	Zn r	66	785.715	269.007	0.935	ug/L	10.187
|	Zn	67	2923.918	1678.202	13.742	ug/L	1.094
|	Zn	68	1574.510	340.011	2.883	ug/L	3.988
|>	Ge	72	75529.762	98142.756		ug/L	
|	As r	75	163.268	-144.551	0.332	ug/L	46.705
|	As u	75	6068.788	7238.477	0.649	ug/L	25.666
|	Se r	82	-5.241	-0.290	-0.054	ug/L	299.643
|	Se	77	1817.816	2359.603	0.031	ug/L	489.829
⌊	Sr	88	279295.824	127.002	26.767	ug/L	4.943
⌈	Ag r	107	22.667	29.667	0.000	ug/L	244.555
|	Ag	109	19.667	23.334	0.001	ug/L	66.922
|	Cd r	111	117.157	162.767	-0.004	ug/L	95.492
|	Cd	106	-1892.957	-2408.095	-0.994	ug/L	24.787
|	Cd	108	-1978.143	-2520.806	-1.353	ug/L	28.740
|	Cd	114	11.265	30.477	-0.005	ug/L	42.570
|	Cd u	111	3.333	14.000	-0.007	ug/L	8.087
|>	In	115	150084.429	201011.882		ug/L	
|	Sb r	123	91.832	36.661	0.024	ug/L	14.023
⌊	Sb	121	122.669	52.334	0.024	ug/L	17.554

⌈	Sn	118	151.670	131.336	**0.017**	ug/L	12.408
|	Sn r	120	218.339	184.004	**0.019**	ug/L	22.289
|	Ba r	137	98479.020	34.667	**61.642**	ug/L	3.838
|	Ba	135	56683.304	19.000	**61.688**	ug/L	3.721
|>	Tb	159	175659.258	237352.059		ug/L	
|	Tl r	205	416.682	234.006	**0.026**	ug/L	4.421
|	Tl	203	162.003	95.002	**0.024**	ug/L	18.502
|	U	238	4607.096	14.333	**0.301**	ug/L	4.706
L	Pb	208	1633.417	699.353	**0.087**	ug/L	7.648
⌈	Na	23	4615183.409	27097.287	**1.188**	mg/L	6.061
|	Mg	24	3464182.923	405.348	**1.269**	mg/L	5.775
|	K	39	3013100.339	467869.939	**0.390**	mg/L	5.864
|	Ca	44	1570927.480	11211.945	**9.542**	mg/L	5.745
|	Fe	54	45656.072	24278.329	**0.055**	mg/L	9.145
L>	Sc-1	45	264056.877	326012.180		ug/L	
	Kr	83	142.669	148.336		ug/L	
	Cl	35	24964612.035	27454688.427		mg/L	
	C	12	291071.383	345074.031		mg/L	
	Y	89	143895.994	189640.829		ug/L	
⌈	Br	79	793.382	2019.619	**-4.342**	ug/L	10.113
|	Br	81	11046.374	14687.828	**-1.449**	ug/L	89.532
L>	Ge-1	72	75529.762	98142.756		ug/L	
	Ru	99	2.667	1.333		ug/L	
	Pd	105	1672.198	2129.316		ug/L	
	Ho	165	170603.240	233253.622		ug/L	
	Th	232	152.670	71.001	**0.005**	ug/L	15.745
⌈	Mo	95	353.345	97.335	**0.169**	ug/L	10.594
|	Mo	97	225.006	68.668	**0.165**	ug/L	6.020
|	Mo r	98	560.879	155.226	**0.162**	ug/L	6.760
|	Rh	103	18.667	7.333		ug/L	
L>	In-1	115	150084.429	201011.882		ug/L	
	Ti	47	354.345	195.338		ug/L	
	Li	7	23035.337	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-22

Sample Description:
Autosampler Position: 40
Sample Date/Time: Tuesday, February 14, 2012 11:50:30
Dataset File: C:\Elandata\Dataset\EL120214\1202004-22.038
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	**-0.002**	ug/L	131.741
|>	Li u	6	310923.137	373974.845		ug/L	
⌊	Li	6	308939.913	372040.788		ug/L	
⌈	Be	9	0.667	1.333	**-0.001**	ug/L	156.201
|	B	11	2347.050	99.335	**7.077**	ug/L	11.289
|	Al	27	3500.165	1258.449	**0.757**	ug/L	4.791
|>	Sc	45	254557.103	326012.180		ug/L	
|	V r	51	-1253.695	-1619.789	**0.003**	ug/L	2118.035
|	V u	51	100240.990	100332.614	**3.879**	ug/L	25.420
|	Cr r	52	8630.594	9993.255	**0.176**	ug/L	25.888
|	Cr	53	34437.618	35155.627	**13.454**	ug/L	23.047
|	Mn	55	108173.903	408.348	**14.513**	ug/L	10.543
|	Co	59	282.341	28.334	**0.051**	ug/L	17.445
|	Ni r	60	781.714	67.668	**0.685**	ug/L	11.187
|	Ni	62	78.001	89.335	**0.055**	ug/L	80.934
|	Cu r	63	4678.140	190.004	**2.122**	ug/L	9.867
⌊	Cu	65	2185.333	92.335	**2.145**	ug/L	10.426
⌈	Zn r	66	740.710	269.007	**0.920**	ug/L	7.820
|	Zn	67	2743.851	1678.202	**13.350**	ug/L	10.592
|	Zn	68	1205.440	340.011	**2.204**	ug/L	13.866
|>	Ge	72	72079.297	98142.756		ug/L	
|	As r	75	799.909	-144.551	**1.152**	ug/L	18.857
|	As u	75	7100.016	7238.477	**2.448**	ug/L	25.245
|	Se r	82	1.542	-0.290	**0.020**	ug/L	33.232
|	Se	77	1982.963	2359.603	**4.222**	ug/L	47.995
⌊	Sr	88	1187093.274	127.002	**119.465**	ug/L	10.585
⌈	Ag r	107	22.334	29.667	**0.000**	ug/L	330.692
|	Ag	109	20.667	23.334	**0.001**	ug/L	64.164
|	Cd r	111	106.738	162.767	**-0.009**	ug/L	139.567
|	Cd	106	-1824.489	-2408.095	**-1.186**	ug/L	45.534
|	Cd	108	-1893.697	-2520.806	**-1.437**	ug/L	59.367
|	Cd	114	11.853	30.477	**-0.004**	ug/L	27.033
|	Cd u	111	8.000	14.000	**-0.002**	ug/L	80.810
|>	In	115	143276.875	201011.882		ug/L	
|	Sb r	123	52.656	36.661	**0.011**	ug/L	37.864
⌊	Sb	121	57.001	52.334	**0.006**	ug/L	21.217

⌈	Sn	118	167.003	131.336	**0.025**	ug/L	25.586
|	Sn r	120	227.339	184.004	**0.024**	ug/L	27.326
|	Ba r	137	54609.103	34.667	**35.688**	ug/L	10.292
|	Ba	135	31432.671	19.000	**35.718**	ug/L	10.610
|>	Tb	159	168556.670	237352.059		ug/L	
|	Tl r	205	304.342	234.006	**0.016**	ug/L	26.570
|	Tl	203	125.002	95.002	**0.016**	ug/L	3.585
|	U	238	12728.695	14.333	**0.870**	ug/L	10.671
⌊	Pb	208	5152.720	699.353	**0.378**	ug/L	8.839
⌈	Na	23	20783465.694	27097.287	**5.576**	mg/L	10.061
|	Mg	24	6731836.030	405.348	**2.562**	mg/L	10.519
|	K	39	3748760.560	467869.939	**0.520**	mg/L	10.741
|	Ca	44	3258862.511	11211.945	**20.626**	mg/L	10.851
|	Fe	54	20636.931	24278.329	**0.004**	mg/L	77.343
⌊>	Sc-1	45	254557.103	326012.180		ug/L	
	Kr	83	129.336	148.336		ug/L	
	Cl	35	25578727.097	27454688.427		mg/L	
	C	12	293649.475	345074.031		mg/L	
	Y	89	138808.641	189640.829		ug/L	
⌈	Br	79	960.736	2019.619	**-3.118**	ug/L	12.708
|	Br	81	10982.945	14687.828	**1.178**	ug/L	149.688
⌊>	Ge-1	72	72079.297	98142.756		ug/L	
	Ru	99	1.000	1.333		ug/L	
	Pd	105	1603.183	2129.316		ug/L	
	Ho	165	163921.349	233253.622		ug/L	
	Th	232	88.001	71.001	**0.001**	ug/L	66.291
⌈	Mo	95	279.675	97.335	**0.133**	ug/L	9.773
|	Mo	97	158.003	68.668	**0.108**	ug/L	8.546
|	Mo r	98	443.500	155.226	**0.127**	ug/L	7.428
|	Rh	103	50.667	7.333		ug/L	
⌊>	In-1	115	143276.875	201011.882		ug/L	
	Ti	47	355.012	195.338		ug/L	
	Li	7	24454.056	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-23

Sample Description:
Autosampler Position: 41
Sample Date/Time: Tuesday, February 14, 2012 11:55:45
Dataset File: C:\Elandata\Dataset\EL120214\1202004-23.039
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.333	1.333	-0.003	ug/L	67.729
|>	Li u	6	331828.723	373974.845		ug/L	
⌊	Li	6	326493.738	372040.788		ug/L	
⌈	Be	9	0.333	1.333	-0.003	ug/L	73.976
|	B	11	12536.672	99.335	36.314	ug/L	4.444
|	Al	27	3975.067	1258.449	0.823	ug/L	6.156
|>	Sc	45	271872.827	326012.180		ug/L	
|	V r	51	-1394.714	-1619.789	-0.006	ug/L	2228.443
|	V u	51	107252.272	100332.614	3.897	ug/L	5.357
|	Cr r	52	9249.984	9993.255	0.182	ug/L	9.518
|	Cr	53	37490.183	35155.627	14.685	ug/L	3.853
|	Mn	55	556.026	408.348	0.027	ug/L	3.606
|	Co	59	153.003	28.334	0.023	ug/L	3.787
|	Ni r	60	760.712	67.668	0.619	ug/L	8.370
|	Ni	62	91.001	89.335	0.102	ug/L	58.553
|	Cu r	63	3318.416	190.004	1.384	ug/L	1.525
⌊	Cu	65	1388.806	92.335	1.245	ug/L	2.263
⌈	Zn r	66	6451.771	269.007	9.908	ug/L	3.686
|	Zn	67	7573.804	1678.202	51.774	ug/L	3.019
|	Zn	68	18910.425	340.011	40.236	ug/L	4.435
|>	Ge	72	76874.342	98142.756		ug/L	
|	As r	75	136.879	-144.551	0.295	ug/L	111.033
|	As u	75	7215.123	7238.477	1.979	ug/L	8.316
|	Se r	82	26.189	-0.290	0.278	ug/L	54.748
|	Se	77	2320.382	2359.603	7.426	ug/L	14.108
⌊	Sr	88	11418804.546	127.002	1075.988	ug/L	3.811
⌈	Ag r	107	25.334	29.667	0.000	ug/L	349.916
|	Ag	109	14.667	23.334	-0.001	ug/L	44.908
|	Cd r	111	109.720	162.767	-0.018	ug/L	49.090
|	Cd	106	-2717.417	-2408.095	-7.721	ug/L	13.199
|	Cd	108	-2771.600	-2520.806	-9.926	ug/L	12.855
|	Cd	114	11.938	30.477	-0.005	ug/L	21.711
|	Cd u	111	4.667	14.000	-0.006	ug/L	57.854
|>	In	115	160887.487	201011.882		ug/L	
|	Sb r	123	63.590	36.661	0.012	ug/L	30.307
⌊	Sb	121	32.667	52.334	-0.002	ug/L	7.459

⌈	Sn	118	139.003	131.336	**0.011**	ug/L	17.996
|	Sn r	120	191.004	184.004	**0.011**	ug/L	20.836
|	Ba r	137	1811091.457	34.667	**1088.951**	ug/L	5.060
|	Ba	135	1084565.276	19.000	**1133.930**	ug/L	5.766
|>	Tb	159	183080.246	237352.059		ug/L	
|	Tl r	205	273.341	234.006	**0.010**	ug/L	11.909
|	Tl	203	108.002	95.002	**0.009**	ug/L	32.746
|	U	238	35.667	14.333	**0.002**	ug/L	22.601
⌊	Pb	208	402.008	699.353	**-0.010**	ug/L	15.699
⌈	Na	23	85062467.884	27097.287	**21.355**	mg/L	4.132
|	Mg	24	12017266.784	405.348	**4.277**	mg/L	3.749
|	K	39	6602885.858	467869.939	**0.893**	mg/L	4.560
|	Ca	44	2815843.060	11211.945	**16.653**	mg/L	4.111
|	Fe	54	20064.940	24278.329	**-0.000**	mg/L	280.894
⌊>	Sc-1	45	271872.827	326012.180		ug/L	
	Kr	83	131.669	148.336		ug/L	
	Cl	35	25975126.863	27454688.427		mg/L	
	C	12	310120.273	345074.031		mg/L	
	Y	89	156647.353	189640.829		ug/L	
⌈	Br	79	11843.229	2019.619	**57.515**	ug/L	0.906
|	Br	81	22569.978	14687.828	**60.978**	ug/L	4.846
⌊>	Ge-1	72	76874.342	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	2356.718	2129.316		ug/L	
	Ho	165	177549.684	233253.622		ug/L	
	Th	232	77.334	71.001	**0.000**	ug/L	32.868
⌈	Mo	95	127.336	97.335	**0.028**	ug/L	20.336
|	Mo	97	70.668	68.668	**0.014**	ug/L	43.146
|	Mo r	98	194.599	155.226	**0.024**	ug/L	13.715
|	Rh	103	342.678	7.333		ug/L	
⌊>	In-1	115	160887.487	201011.882		ug/L	
	Ti	47	368.346	195.338		ug/L	
	Li	7	65782.797	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-24

Sample Description:
Autosampler Position: 42
Sample Date/Time: Tuesday, February 14, 2012 12:04:24
Dataset File: C:\Elandata\Dataset\EL120214\1202004-24.040
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.333	1.333	-0.003	ug/L	68.713
|>	Li u	6	332665.825	373974.845		ug/L	
⌊	Li	6	330545.009	372040.788		ug/L	
⌈	Be	9	0.333	1.333	-0.003	ug/L	78.650
|	B	11	2521.439	99.335	7.329	ug/L	4.011
|	Al	27	2901.911	1258.449	0.546	ug/L	9.436
|>	Sc	45	263978.293	326012.180		ug/L	
|	V r	51	-598.247	-1619.789	0.120	ug/L	106.885
|	V u	51	106547.625	100332.614	4.305	ug/L	1.788
|	Cr r	52	9392.492	9993.255	0.266	ug/L	9.193
|	Cr	53	36867.846	35155.627	15.542	ug/L	1.455
|	Mn	55	3497.164	408.348	0.410	ug/L	5.947
|	Co	59	168.670	28.334	0.027	ug/L	12.483
|	Ni r	60	786.382	67.668	0.662	ug/L	9.588
|	Ni	62	76.668	89.335	0.027	ug/L	158.593
|	Cu r	63	9720.245	190.004	4.317	ug/L	6.001
⌊	Cu	65	4538.051	92.335	4.363	ug/L	4.539
⌈	Zn r	66	1348.132	269.007	1.866	ug/L	4.578
|	Zn	67	2533.443	1678.202	10.660	ug/L	8.391
|	Zn	68	1984.276	340.011	3.827	ug/L	1.864
|>	Ge	72	74781.210	98142.756		ug/L	
|	As r	75	-72.655	-144.551	0.051	ug/L	902.820
|	As u	75	7577.473	7238.477	2.718	ug/L	6.647
|	Se r	82	-1.188	-0.290	-0.010	ug/L	217.069
|	Se	77	2425.046	2359.603	10.134	ug/L	8.844
⌊	Sr	88	794648.519	127.002	76.989	ug/L	5.081
⌈	Ag r	107	26.334	29.667	0.001	ug/L	111.429
|	Ag	109	13.667	23.334	-0.001	ug/L	46.557
|	Cd r	111	121.170	162.767	-0.000	ug/L	3473.999
|	Cd	106	-1918.447	-2408.095	-1.283	ug/L	44.277
|	Cd	108	-2005.070	-2520.806	-1.762	ug/L	28.278
|	Cd	114	14.846	30.477	-0.003	ug/L	65.392
|	Cd u	111	5.667	14.000	-0.004	ug/L	85.107
|>	In	115	149946.290	201011.882		ug/L	
|	Sb r	123	61.910	36.661	0.013	ug/L	16.080
⌊	Sb	121	73.001	52.334	0.010	ug/L	19.651

⌈	Sn	118	130.002	131.336	**0.011**	ug/L	26.918
|	Sn r	120	177.004	184.004	**0.010**	ug/L	62.302
|	Ba r	137	106216.349	34.667	**66.667**	ug/L	4.085
|	Ba	135	61389.452	19.000	**66.999**	ug/L	4.851
|>	Tb	159	175293.649	237352.059		ug/L	
|	Tl r	205	253.340	234.006	**0.009**	ug/L	20.779
|	Tl	203	121.336	95.002	**0.014**	ug/L	41.807
|	U	238	13812.866	14.333	**0.906**	ug/L	3.887
⌊	Pb	208	2255.487	699.353	**0.136**	ug/L	11.149
⌈	Na	23	20237873.459	27097.287	**5.228**	mg/L	4.736
|	Mg	24	11694878.170	405.348	**4.287**	mg/L	4.739
|	K	39	4019149.309	467869.939	**0.539**	mg/L	4.988
|	Ca	44	3195870.445	11211.945	**19.475**	mg/L	4.967
|	Fe	54	21667.019	24278.329	**0.004**	mg/L	46.900
⌊>	Sc-1	45	263978.293	326012.180		ug/L	
	Kr	83	136.669	148.336		ug/L	
	Cl	35	25445164.967	27454688.427		mg/L	
	C	12	301689.340	345074.031		mg/L	
	Y	89	144600.001	189640.829		ug/L	
⌈	Br	79	1073.419	2019.619	**-2.676**	ug/L	23.688
|	Br	81	11007.988	14687.828	**-1.027**	ug/L	258.965
⌊>	Ge-1	72	74781.210	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1695.204	2129.316		ug/L	
	Ho	165	171575.884	233253.622		ug/L	
	Th	232	77.001	71.001	**0.000**	ug/L	136.423
⌈	Mo	95	324.677	97.335	**0.152**	ug/L	4.839
|	Mo	97	211.672	68.668	**0.152**	ug/L	22.304
|	Mo r	98	526.913	155.226	**0.150**	ug/L	2.875
|	Rh	103	36.334	7.333		ug/L	
⌊>	In-1	115	149946.290	201011.882		ug/L	
	Ti	47	334.677	195.338		ug/L	
	Li	7	26150.636	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21302-BLK1

Sample Description:
Autosampler Position: 43
Sample Date/Time: Tuesday, February 14, 2012 12:09:41
Dataset File: C:\Elandata\Dataset\EL120214\BB21302-BLK1.041
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	104.241
|>	Li u	6	344222.072	373974.845		ug/L	
⌊	Li	6	342448.393	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.002	ug/L	129.407
|	B	11	154.670	99.335	0.209	ug/L	31.089
|	Al	27	1885.584	1258.449	0.235	ug/L	13.603
|>	Sc	45	272244.447	326012.180		ug/L	
|	V r	51	-1028.990	-1619.789	0.051	ug/L	401.161
|	V u	51	114038.590	100332.614	4.992	ug/L	3.099
|	Cr r	52	10176.830	9993.255	0.363	ug/L	9.630
|	Cr	53	39818.525	35155.627	18.777	ug/L	7.231
|	Mn	55	409.682	408.348	0.009	ug/L	30.670
|	Co	59	36.667	28.334	0.002	ug/L	65.007
|	Ni r	60	42.667	67.668	-0.012	ug/L	51.998
|	Ni	62	69.668	89.335	-0.031	ug/L	262.206
|	Cu r	63	167.670	190.004	0.004	ug/L	59.061
⌊	Cu	65	85.335	92.335	0.008	ug/L	242.923
⌈	Zn r	66	184.004	269.007	-0.048	ug/L	54.551
|	Zn	67	2506.100	1678.202	9.461	ug/L	6.143
|	Zn	68	343.011	340.011	0.152	ug/L	7.082
|>	Ge	72	78345.115	98142.756		ug/L	
|	As r	75	-318.473	-144.551	-0.239	ug/L	112.793
|	As u	75	7551.113	7238.477	2.230	ug/L	6.232
|	Se r	82	19.198	-0.290	0.201	ug/L	140.282
|	Se	77	2431.760	2359.603	8.471	ug/L	20.498
⌊	Sr	88	255.340	127.002	0.014	ug/L	16.399
⌈	Ag r	107	17.000	29.667	-0.001	ug/L	4.687
|	Ag	109	15.000	23.334	-0.001	ug/L	107.967
|	Cd r	111	131.368	162.767	0.002	ug/L	434.907
|	Cd	106	-1976.295	-2408.095	-0.642	ug/L	46.717
|	Cd	108	-2072.801	-2520.806	-0.956	ug/L	41.682
|	Cd	114	10.707	30.477	-0.005	ug/L	14.085
|	Cd u	111	5.667	14.000	-0.005	ug/L	74.714
|>	In	115	159546.339	201011.882		ug/L	
|	Sb r	123	18.497	36.661	-0.004	ug/L	52.588
⌊	Sb	121	24.334	52.334	-0.005	ug/L	25.170

⌈	Sn	118	110.335	131.336	**0.001**	ug/L	112.271
|	Sn r	120	140.003	184.004	**-0.002**	ug/L	161.534
|	Ba r	137	71.334	34.667	**0.025**	ug/L	3.778
|	Ba	135	34.000	19.000	**0.019**	ug/L	41.840
|>	Tb	159	191280.816	237352.059		ug/L	
|	Tl r	205	248.673	234.006	**0.006**	ug/L	29.953
|	Tl	203	103.002	95.002	**0.006**	ug/L	31.774
|	U	238	31.667	14.333	**0.001**	ug/L	13.153
⌊	Pb	208	363.007	699.353	**-0.014**	ug/L	4.851
⌈	Na	23	27805.472	27097.287	**0.001**	mg/L	23.859
|	Mg	24	1766.221	405.348	**0.001**	mg/L	8.913
|	K	39	401101.411	467869.939	**0.001**	mg/L	29.176
|	Ca	44	8638.267	11211.945	**-0.004**	mg/L	20.095
|	Fe	54	20853.642	24278.329	**0.001**	mg/L	102.833
⌊>	Sc-1	45	272244.447	326012.180		ug/L	
	Kr	83	130.669	148.336		ug/L	
	Cl	35	25001386.743	27454688.427		mg/L	
	C	12	312324.287	345074.031		mg/L	
	Y	89	152926.620	189640.829		ug/L	
⌈	Br	79	883.060	2019.619	**-4.010**	ug/L	1.925
|	Br	81	11448.631	14687.828	**-1.488**	ug/L	112.957
⌊>	Ge-1	72	78345.115	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1749.550	2129.316		ug/L	
	Ho	165	184086.428	233253.622		ug/L	
	Th	232	56.334	71.001	**-0.001**	ug/L	57.988
⌈	Mo	95	83.668	97.335	**0.004**	ug/L	31.688
|	Mo	97	51.001	68.668	**-0.003**	ug/L	279.641
|	Mo r	98	131.262	155.226	**0.003**	ug/L	275.803
|	Rh	103	4.000	7.333		ug/L	
⌊>	In-1	115	159546.339	201011.882		ug/L	
	Ti	47	164.337	195.338		ug/L	
	Li	7	21870.272	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21302-BS1

Sample Description:
Autosampler Position: 44
Sample Date/Time: Tuesday, February 14, 2012 12:14:58
Dataset File: C:\Elandata\Dataset\EL120214\BB21302-BS1.042
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	635.699	1.333	**2.070**	ug/L	7.133
|>	Li u	6	335934.893	373974.845		ug/L	
⌊	Li	6	332388.900	372040.788		ug/L	
⌈	Be	9	635.699	1.333	**2.303**	ug/L	8.132
|	B	11	7951.193	99.335	**22.725**	ug/L	6.244
|	Al	27	291712.667	1258.449	**81.018**	ug/L	4.942
|>	Sc	45	274501.359	326012.180		ug/L	
|	V r	51	126084.815	-1619.789	**20.734**	ug/L	5.791
|	V u	51	242343.783	100332.614	**25.848**	ug/L	8.357
|	Cr r	52	117091.861	9993.255	**21.390**	ug/L	6.552
|	Cr	53	52365.599	35155.627	**40.539**	ug/L	10.390
|	Mn	55	173396.683	408.348	**21.570**	ug/L	5.883
|	Co	59	121205.321	28.334	**21.780**	ug/L	5.507
|	Ni r	60	24275.545	67.668	**21.079**	ug/L	6.224
|	Ni	62	3625.893	89.335	**21.730**	ug/L	7.900
|	Cu r	63	49848.977	190.004	**21.564**	ug/L	5.205
⌊	Cu	65	23024.669	92.335	**21.577**	ug/L	5.254
⌈	Zn r	66	14308.447	269.007	**21.704**	ug/L	3.729
|	Zn	67	5481.674	1678.202	**33.116**	ug/L	2.772
|	Zn	68	11484.019	340.011	**23.467**	ug/L	3.489
|>	Ge	72	79239.165	98142.756		ug/L	
|	As r	75	17522.955	-144.551	**20.342**	ug/L	4.632
|	As u	75	24436.050	7238.477	**23.122**	ug/L	6.866
|	Se r	82	2011.778	-0.290	**20.496**	ug/L	3.960
|	Se	77	3861.324	2359.603	**29.842**	ug/L	9.641
⌊	Sr	88	234307.473	127.002	**21.410**	ug/L	3.938
⌈	Ag r	107	9747.942	29.667	**2.131**	ug/L	5.441
|	Ag	109	9158.213	23.334	**2.125**	ug/L	5.525
|	Cd r	111	2504.098	162.767	**2.107**	ug/L	6.058
|	Cd	106	-1820.496	-2408.095	**0.629**	ug/L	92.630
|	Cd	108	-1889.143	-2520.806	**1.108**	ug/L	40.970
|	Cd	114	5579.479	30.477	**2.152**	ug/L	6.343
|	Cd u	111	2466.754	14.000	**2.169**	ug/L	5.429
|>	In	115	157219.897	201011.882		ug/L	
|	Sb r	123	58001.437	36.661	**20.962**	ug/L	6.134
⌊	Sb	121	76500.708	52.334	**20.899**	ug/L	5.637

⌈	Sn	118	66581.838	131.336	**20.174**	ug/L	4.885
|	Sn r	120	92595.330	184.004	**20.505**	ug/L	4.767
|	Ba r	137	140986.659	34.667	**84.099**	ug/L	5.648
|	Ba	135	82187.135	19.000	**85.243**	ug/L	5.842
|>	Tb	159	184460.542	237352.059		ug/L	
|	Tl r	205	204247.485	234.006	**20.866**	ug/L	5.236
|	Tl	203	82470.385	95.002	**20.639**	ug/L	3.629
|	U	238	328510.247	14.333	**20.501**	ug/L	6.744
⌊	Pb	208	283704.131	699.353	**20.989**	ug/L	5.054
⌈	Na	23	1693883.908	27097.287	**0.416**	mg/L	5.405
|	Mg	24	1066069.507	405.348	**0.376**	mg/L	5.209
|	K	39	6728071.332	467869.939	**0.901**	mg/L	5.412
|	Ca	44	79149.221	11211.945	**0.410**	mg/L	5.555
|	Fe	54	106580.305	24278.329	**0.175**	mg/L	7.066
⌊>	Sc-1	45	274501.359	326012.180		ug/L	
	Kr	83	139.003	148.336		ug/L	
	Cl	35	26493131.339	27454688.427		mg/L	
	C	12	312661.858	345074.031		mg/L	
	Y	89	152226.785	189640.829		ug/L	
⌈	Br	79	2345.381	2019.619	**3.887**	ug/L	4.264
|	Br	81	13459.568	14687.828	**8.560**	ug/L	7.728
⌊>	Ge-1	72	79239.165	98142.756		ug/L	
	Ru	99	5.667	1.333		ug/L	
	Pd	105	1780.224	2129.316		ug/L	
	Ho	165	178453.619	233253.622		ug/L	
	Th	232	97.002	71.001	**0.002**	ug/L	35.251
⌈	Mo	95	35655.238	97.335	**20.486**	ug/L	6.117
|	Mo	97	22876.905	68.668	**20.661**	ug/L	5.918
|	Mo r	98	59520.770	155.226	**20.640**	ug/L	5.460
|	Rh	103	21.667	7.333		ug/L	
⌊>	In-1	115	157219.897	201011.882		ug/L	
	Ti	47	9060.097	195.338		ug/L	
	Li	7	43723.704	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-25

Sample Description:
Autosampler Position: 45
Sample Date/Time: Tuesday, February 14, 2012 12:20:15
Dataset File: C:\Elandata\Dataset\EL120214\1202004-25.043
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.333	1.333	-0.003	ug/L	67.859
|>	Li u	6	341684.555	373974.845		ug/L	
L	Li	6	339939.178	372040.788		ug/L	
⌈	Be	9	0.333	1.333	-0.003	ug/L	72.875
|	B	11	165.670	99.335	0.232	ug/L	15.011
|	Al	27	2516.772	1258.449	0.399	ug/L	15.890
|>	Sc	45	277572.621	326012.180		ug/L	
|	V r	51	-1351.142	-1619.789	0.004	ug/L	7675.849
|	V u	51	110441.622	100332.614	4.049	ug/L	6.470
|	Cr r	52	10008.608	9993.255	0.292	ug/L	12.249
|	Cr	53	38394.301	35155.627	14.894	ug/L	7.558
|	Mn	55	461.018	408.348	0.014	ug/L	23.884
|	Co	59	31.667	28.334	0.001	ug/L	94.768
|	Ni r	60	56.667	67.668	-0.001	ug/L	221.252
|	Ni	62	77.668	89.335	0.010	ug/L	513.269
|	Cu r	63	173.337	190.004	0.005	ug/L	31.725
L	Cu	65	100.668	92.335	0.020	ug/L	37.744
⌈	Zn r	66	148.670	269.007	-0.107	ug/L	16.733
|	Zn	67	2697.833	1678.202	10.653	ug/L	2.157
|	Zn	68	350.345	340.011	0.155	ug/L	4.696
|>	Ge	72	79691.470	98142.756		ug/L	
|	As r	75	-136.922	-144.551	-0.022	ug/L	163.613
|	As u	75	6905.835	7238.477	1.272	ug/L	12.702
|	Se r	82	4.539	-0.290	0.048	ug/L	25.670
|	Se	77	2271.381	2359.603	5.392	ug/L	19.555
L	Sr	88	148.003	127.002	0.004	ug/L	48.237
⌈	Ag r	107	24.667	29.667	0.000	ug/L	494.754
|	Ag	109	15.334	23.334	-0.001	ug/L	63.849
|	Cd r	111	141.129	162.767	0.009	ug/L	76.681
|	Cd	106	-2068.761	-2408.095	-1.281	ug/L	26.092
|	Cd	108	-2172.942	-2520.806	-1.904	ug/L	23.493
|	Cd	114	11.012	30.477	-0.005	ug/L	43.875
|	Cd u	111	7.333	14.000	-0.003	ug/L	57.165
|>	In	115	161665.776	201011.882		ug/L	
|	Sb r	123	24.831	36.661	-0.002	ug/L	151.791
L	Sb	121	36.000	52.334	-0.002	ug/L	75.411

⌈	Sn	118	148.670	131.336	**0.012**	ug/L	28.504
|	Sn r	120	198.671	184.004	**0.010**	ug/L	32.419
|	Ba r	137	62.668	34.667	**0.020**	ug/L	50.476
|	Ba	135	27.667	19.000	**0.012**	ug/L	34.226
|>	Tb	159	192951.476	237352.059		ug/L	
|	Tl r	205	934.069	234.006	**0.073**	ug/L	38.110
|	Tl	203	369.013	95.002	**0.070**	ug/L	44.555
|	U	238	54.001	14.333	**0.003**	ug/L	24.049
⌊	Pb	208	357.674	699.353	**-0.015**	ug/L	6.672
⌈	Na	23	25413.170	27097.287	**0.001**	mg/L	8.906
|	Mg	24	1224.777	405.348	**0.000**	mg/L	10.847
|	K	39	412080.946	467869.939	**0.002**	mg/L	30.109
|	Ca	44	8657.289	11211.945	**-0.005**	mg/L	19.864
|	Fe	54	21667.325	24278.329	**0.002**	mg/L	47.933
|>	Sc-1	45	277572.621	326012.180		ug/L	
	Kr	83	129.669	148.336		ug/L	
	Cl	35	25840662.287	27454688.427		mg/L	
	C	12	314710.719	345074.031		mg/L	
	Y	89	156869.991	189640.829		ug/L	
⌈	Br	79	933.066	2019.619	**-3.821**	ug/L	8.568
|	Br	81	11986.786	14687.828	**0.324**	ug/L	245.905
|>	Ge-1	72	79691.470	98142.756		ug/L	
	Ru	99	1.000	1.333		ug/L	
	Pd	105	1834.904	2129.316		ug/L	
	Ho	165	185772.283	233253.622		ug/L	
	Th	232	46.334	71.001	**-0.001**	ug/L	16.384
⌈	Mo	95	101.002	97.335	**0.013**	ug/L	67.636
|	Mo	97	63.668	68.668	**0.007**	ug/L	118.573
|	Mo r	98	150.856	155.226	**0.009**	ug/L	55.181
|	Rh	103	3.667	7.333		ug/L	
|>	In-1	115	161665.776	201011.882		ug/L	
	Ti	47	173.004	195.338		ug/L	
	Li	7	21521.286	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-26

Sample Description:
Autosampler Position: 46
Sample Date/Time: Tuesday, February 14, 2012 12:25:33
Dataset File: C:\Elandata\Dataset\EL120214\1202004-26.044
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	**0.002**	ug/L	237.803
|>	Li u	6	332450.666	373974.845		ug/L	
⌊	Li	6	326964.925	372040.788		ug/L	
⌈	Be	9	1.667	1.333	**0.002**	ug/L	207.795
|	B	11	13351.739	99.335	**38.600**	ug/L	7.701
|	Al	27	136926.485	1258.449	**38.149**	ug/L	7.298
|>	Sc	45	272602.358	326012.180		ug/L	
|	V r	51	-772.104	-1619.789	**0.097**	ug/L	144.322
|	V u	51	110868.372	100332.614	**4.452**	ug/L	17.053
|	Cr r	52	10358.741	9993.255	**0.397**	ug/L	13.021
|	Cr	53	38094.492	35155.627	**15.606**	ug/L	14.380
|	Mn	55	206518.367	408.348	**25.884**	ug/L	7.550
|	Co	59	259.340	28.334	**0.043**	ug/L	8.285
|	Ni r	60	871.391	67.668	**0.714**	ug/L	6.616
|	Ni	62	111.002	89.335	**0.223**	ug/L	36.709
|	Cu r	63	997.408	190.004	**0.367**	ug/L	8.352
⌊	Cu	65	331.010	92.335	**0.240**	ug/L	11.080
⌈	Zn r	66	433.350	269.007	**0.353**	ug/L	13.826
|	Zn	67	7055.976	1678.202	**47.479**	ug/L	6.768
|	Zn	68	15765.998	340.011	**33.441**	ug/L	6.896
|>	Ge	72	76919.472	98142.756		ug/L	
|	As r	75	156.548	-144.551	**0.320**	ug/L	29.338
|	As u	75	7389.958	7238.477	**2.202**	ug/L	19.848
|	Se r	82	96.412	-0.290	**1.015**	ug/L	8.021
|	Se	77	2359.297	2359.603	**8.011**	ug/L	1.580
⌊	Sr	88	12228034.440	127.002	**1152.143**	ug/L	8.267
⌈	Ag r	107	24.334	29.667	**0.000**	ug/L	1281.508
|	Ag	109	15.667	23.334	**-0.001**	ug/L	27.840
|	Cd r	111	121.356	162.767	**-0.008**	ug/L	57.651
|	Cd	106	-2859.910	-2408.095	**-8.929**	ug/L	17.643
|	Cd	108	-2924.361	-2520.806	**-11.683**	ug/L	18.187
|	Cd	114	9.528	30.477	**-0.006**	ug/L	10.467
|	Cd u	111	5.000	14.000	**-0.005**	ug/L	28.793
|>	In	115	162011.530	201011.882		ug/L	
|	Sb r	123	73.875	36.661	**0.016**	ug/L	12.148
⌊	Sb	121	45.001	52.334	**0.001**	ug/L	167.443

⌈	Sn	118	117.002	131.336	**0.004**	ug/L	108.084
|	Sn r	120	186.004	184.004	**0.009**	ug/L	23.566
|	Ba r	137	2466754.007	34.667	**1473.880**	ug/L	40.112
|	Ba	135	1185366.076	19.000	**1226.906**	ug/L	7.932
|>	Tb	159	184934.893	237352.059		ug/L	
|	Tl r	205	366.012	234.006	**0.019**	ug/L	20.368
|	Tl	203	154.003	95.002	**0.020**	ug/L	22.901
|	U	238	106.335	14.333	**0.006**	ug/L	11.320
⌊	Pb	208	1077.040	699.353	**0.039**	ug/L	16.532
⌈	Na	23	91017805.770	27097.287	**22.801**	mg/L	7.655
|	Mg	24	12856281.635	405.348	**4.566**	mg/L	7.711
|	K	39	7117744.515	467869.939	**0.964**	mg/L	8.298
|	Ca	44	3024467.157	11211.945	**17.854**	mg/L	8.666
|	Fe	54	88182.188	24278.329	**0.139**	mg/L	9.684
⌊>	Sc-1	45	272602.358	326012.180		ug/L	
	Kr	83	144.669	148.336		ug/L	
	Cl	35	27753623.937	27454688.427		mg/L	
	C	12	313519.361	345074.031		mg/L	
	Y	89	157581.424	189640.829		ug/L	
⌈	Br	79	43166.242	2019.619	**232.947**	ug/L	1.925
|	Br	81	55553.799	14687.828	**242.627**	ug/L	0.795
⌊>	Ge-1	72	76919.472	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	2486.760	2129.316		ug/L	
	Ho	165	177882.340	233253.622		ug/L	
	Th	232	190.338	71.001	**0.007**	ug/L	6.773
⌈	Mo	95	136.669	97.335	**0.032**	ug/L	22.107
|	Mo	97	99.002	68.668	**0.039**	ug/L	51.839
|	Mo r	98	206.563	155.226	**0.028**	ug/L	16.946
|	Rh	103	369.013	7.333		ug/L	
⌊>	In-1	115	162011.530	201011.882		ug/L	
	Ti	47	580.694	195.338		ug/L	
	Li	7	67641.697	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3
Br 79 Upper, S, EEE	Br	79	
Br 81 Upper, S, EEE	Br	81	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-27

Sample Description:
Autosampler Position: 47
Sample Date/Time: Tuesday, February 14, 2012 12:30:51
Dataset File: C:\Elandata\Dataset\EL120214\1202004-27.045
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	2.333	1.333	**0.004**	ug/L	55.567
|>	Li u	6	330952.022	373974.845		ug/L	
⌊	Li	6	325471.873	372040.788		ug/L	
⌈	Be	9	2.333	1.333	**0.005**	ug/L	50.528
|	B	11	13052.568	99.335	**38.012**	ug/L	8.505
|	Al	27	144813.232	1258.449	**40.672**	ug/L	9.515
|>	Sc	45	270551.575	326012.180		ug/L	
|	V r	51	-1814.571	-1619.789	**-0.079**	ug/L	237.631
|	V u	51	112151.108	100332.614	**4.802**	ug/L	15.332
|	Cr r	52	10686.861	9993.255	**0.478**	ug/L	15.002
|	Cr	53	39183.665	35155.627	**18.100**	ug/L	18.153
|	Mn	55	205085.347	408.348	**25.904**	ug/L	10.234
|	Co	59	289.342	28.334	**0.048**	ug/L	11.285
|	Ni r	60	891.727	67.668	**0.738**	ug/L	9.149
|	Ni	62	112.002	89.335	**0.236**	ug/L	56.246
|	Cu r	63	1285.454	190.004	**0.497**	ug/L	11.746
⌊	Cu	65	501.021	92.335	**0.405**	ug/L	15.514
⌈	Zn r	66	466.352	269.007	**0.412**	ug/L	9.789
|	Zn	67	7027.954	1678.202	**47.732**	ug/L	8.765
|	Zn	68	15578.976	340.011	**33.321**	ug/L	8.745
|>	Ge	72	76278.451	98142.756		ug/L	
|	As r	75	171.584	-144.551	**0.340**	ug/L	113.907
|	As u	75	7691.261	7238.477	**2.671**	ug/L	22.555
|	Se r	82	106.441	-0.290	**1.127**	ug/L	24.262
|	Se	77	2462.025	2359.603	**9.964**	ug/L	25.091
⌊	Sr	88	12190174.302	127.002	**1158.261**	ug/L	10.879
⌈	Ag r	107	24.000	29.667	**0.000**	ug/L	1051.753
|	Ag	109	19.000	23.334	**0.000**	ug/L	373.223
|	Cd r	111	126.026	162.767	**-0.003**	ug/L	602.063
|	Cd	106	-2807.290	-2408.095	**-8.729**	ug/L	19.106
|	Cd	108	-2880.282	-2520.806	**-11.534**	ug/L	20.152
|	Cd	114	8.969	30.477	**-0.006**	ug/L	13.710
|	Cd u	111	6.333	14.000	**-0.004**	ug/L	110.033
|>	In	115	160086.558	201011.882		ug/L	
|	Sb r	123	73.008	36.661	**0.016**	ug/L	25.962
⌊	Sb	121	44.001	52.334	**0.001**	ug/L	458.874

⌈	Sn	118	113.002	131.336	**0.003**	ug/L	127.497
|	Sn r	120	151.336	184.004	**0.002**	ug/L	271.652
|	Ba r	137	2454272.037	34.667	**1476.366**	ug/L	43.570
|	Ba	135	1173885.271	19.000	**1220.676**	ug/L	10.779
|>	Tb	159	184277.005	237352.059		ug/L	
|	Tl r	205	295.342	234.006	**0.012**	ug/L	31.349
|	Tl	203	118.335	95.002	**0.011**	ug/L	22.221
|	U	238	93.002	14.333	**0.005**	ug/L	22.545
⌊	Pb	208	1130.378	699.353	**0.044**	ug/L	23.621
⌈	Na	23	90463477.403	27097.287	**22.836**	mg/L	9.377
|	Mg	24	12737456.359	405.348	**4.559**	mg/L	9.915
|	K	39	7091320.214	467869.939	**0.968**	mg/L	9.884
|	Ca	44	2997425.897	11211.945	**17.830**	mg/L	10.391
|	Fe	54	92916.995	24278.329	**0.150**	mg/L	11.869
⌊>	Sc-1	45	270551.575	326012.180		ug/L	
	Kr	83	141.336	148.336		ug/L	
	Cl	35	27400090.394	27454688.427		mg/L	
	C	12	317238.524	345074.031		mg/L	
	Y	89	155847.545	189640.829		ug/L	
⌈	Br	79	38666.158	2019.619	**209.627**	ug/L	6.221
|	Br	81	50288.225	14687.828	**216.039**	ug/L	6.882
⌊>	Ge-1	72	76278.451	98142.756		ug/L	
	Ru	99	2.333	1.333		ug/L	
	Pd	105	2455.751	2129.316		ug/L	
	Ho	165	177376.024	233253.622		ug/L	
	Th	232	229.339	71.001	**0.009**	ug/L	12.825
⌈	Mo	95	124.669	97.335	**0.027**	ug/L	8.733
|	Mo	97	84.001	68.668	**0.026**	ug/L	19.717
|	Mo r	98	209.415	155.226	**0.029**	ug/L	21.954
|	Rh	103	332.011	7.333		ug/L	
⌊>	In-1	115	160086.558	201011.882		ug/L	
	Ti	47	541.691	195.338		ug/L	
	Li	7	67572.744	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3
Br 79 Upper, S, EEE	Br	79	
Br 81 Upper, S, EEE	Br	81	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21302-DUP1

Sample Description:
Autosampler Position: 48
Sample Date/Time: Tuesday, February 14, 2012 12:36:09
Dataset File: C:\Elandata\Dataset\EL120214\BB21302-DUP1.046
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	2.333	1.333	**0.004**	ug/L	58.290
|>	Li u	6	341551.309	373974.845		ug/L	
⌊	Li	6	336212.668	372040.788		ug/L	
⌈	Be	9	2.333	1.333	**0.004**	ug/L	51.100
|	B	11	12766.562	99.335	**36.679**	ug/L	17.903
|	Al	27	120234.818	1258.449	**33.277**	ug/L	20.287
|>	Sc	45	274496.385	326012.180		ug/L	
|	V r	51	-89.399	-1619.789	**0.206**	ug/L	99.655
|	V u	51	115053.736	100332.614	**5.023**	ug/L	40.825
|	Cr r	52	10807.709	9993.255	**0.472**	ug/L	31.182
|	Cr	53	39757.285	35155.627	**18.151**	ug/L	46.725
|	Mn	55	192305.951	408.348	**23.959**	ug/L	19.104
|	Co	59	283.342	28.334	**0.047**	ug/L	28.639
|	Ni r	60	821.053	67.668	**0.666**	ug/L	17.400
|	Ni	62	109.669	89.335	**0.210**	ug/L	9.467
|	Cu r	63	963.070	190.004	**0.349**	ug/L	14.146
⌊	Cu	65	318.677	92.335	**0.227**	ug/L	23.034
⌈	Zn r	66	406.015	269.007	**0.311**	ug/L	22.701
|	Zn	67	6892.184	1678.202	**46.244**	ug/L	16.463
|	Zn	68	14544.484	340.011	**30.883**	ug/L	18.956
|>	Ge	72	76820.507	98142.756		ug/L	
|	As r	75	154.926	-144.551	**0.318**	ug/L	41.225
|	As u	75	7948.539	7238.477	**2.937**	ug/L	36.045
|	Se r	82	84.797	-0.290	**0.894**	ug/L	13.311
|	Se	77	2513.732	2359.603	**10.533**	ug/L	46.304
⌊	Sr	88	11598391.353	127.002	**1095.375**	ug/L	18.290
⌈	Ag r	107	25.667	29.667	**0.000**	ug/L	657.816
|	Ag	109	14.333	23.334	**-0.001**	ug/L	183.741
|	Cd r	111	121.955	162.767	**-0.010**	ug/L	73.750
|	Cd	106	-2845.144	-2408.095	**-8.154**	ug/L	23.596
|	Cd	108	-2907.742	-2520.806	**-10.595**	ug/L	22.551
|	Cd	114	10.058	30.477	**-0.006**	ug/L	7.771
|	Cd u	111	8.000	14.000	**-0.003**	ug/L	77.538
|>	In	115	165779.813	201011.882		ug/L	
⌈	Sb r	123	99.712	36.661	**0.024**	ug/L	32.566
⌊	Sb	121	66.001	52.334	**0.006**	ug/L	83.545

⌈	Sn	118	109.669	131.336	**0.002**	ug/L	47.227
|	Sn r	120	143.669	184.004	**-0.000**	ug/L	4030.786
|	Ba r	137	2374726.090	34.667	**1409.363**	ug/L	51.358
|	Ba	135	1116067.979	19.000	**1146.260**	ug/L	17.569
|>	Tb	159	186658.331	237352.059		ug/L	
|	Tl r	205	260.007	234.006	**0.008**	ug/L	12.094
|	Tl	203	108.002	95.002	**0.008**	ug/L	18.668
|	U	238	94.335	14.333	**0.005**	ug/L	53.449
⌊	Pb	208	1259.720	699.353	**0.052**	ug/L	23.513
⌈	Na	23	86600027.091	27097.287	**21.565**	mg/L	17.408
|	Mg	24	12143395.680	405.348	**4.288**	mg/L	18.263
|	K	39	6782729.156	467869.939	**0.910**	mg/L	18.348
|	Ca	44	2659728.963	11211.945	**15.609**	mg/L	29.831
|	Fe	54	87240.287	24278.329	**0.136**	mg/L	21.438
⌊>	Sc-1	45	274496.385	326012.180		ug/L	
	Kr	83	138.669	148.336		ug/L	
	Cl	35	26944580.361	27454688.427		mg/L	
	C	12	313977.160	345074.031		mg/L	
	Y	89	160883.184	189640.829		ug/L	
⌈	Br	79	39023.440	2019.619	**210.289**	ug/L	14.279
|	Br	81	50625.973	14687.828	**216.133**	ug/L	14.722
⌊>	Ge-1	72	76820.507	98142.756		ug/L	
	Ru	99	2.333	1.333		ug/L	
	Pd	105	2474.423	2129.316		ug/L	
	Ho	165	182688.348	233253.622		ug/L	
	Th	232	207.338	71.001	**0.008**	ug/L	43.865
⌈	Mo	95	136.003	97.335	**0.030**	ug/L	26.869
|	Mo	97	88.668	68.668	**0.028**	ug/L	23.021
|	Mo r	98	215.230	155.226	**0.029**	ug/L	32.312
|	Rh	103	346.012	7.333		ug/L	
⌊>	In-1	115	165779.813	201011.882		ug/L	
	Ti	47	470.019	195.338		ug/L	
	Li	7	65827.881	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3
Br 79 Upper, S, EEE	Br	79	
Br 81 Upper, S, EEE	Br	81	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-28

Sample Description:
Autosampler Position: 49
Sample Date/Time: Tuesday, February 14, 2012 12:41:29
Dataset File: C:\Elandata\Dataset\EL120214\1202004-28.047
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
Γ	Be r	9	0.333	1.333	-0.003	ug/L	65.857
|>	Li u	6	335215.032	373974.845		ug/L	
L	Li	6	333332.387	372040.788		ug/L	
Γ	Be	9	0.333	1.333	-0.003	ug/L	74.731
|	B	11	1234.445	99.335	3.424	ug/L	7.720
|	Al	27	14146.528	1258.449	3.760	ug/L	10.388
|>	Sc	45	267039.023	326012.180		ug/L	
|	V r	51	-2305.542	-1619.789	-0.163	ug/L	130.709
|	V u	51	121510.749	100332.614	6.616	ug/L	3.321
|	Cr r	52	10461.883	9993.255	0.460	ug/L	4.699
|	Cr	53	42120.090	35155.627	24.373	ug/L	3.371
|	Mn	55	37249.120	408.348	4.730	ug/L	5.930
|	Co	59	168.670	28.334	0.027	ug/L	5.335
|	Ni r	60	478.353	67.668	0.378	ug/L	8.049
|	Ni	62	85.001	89.335	0.075	ug/L	130.929
|	Cu r	63	1696.204	190.004	0.687	ug/L	7.692
L	Cu	65	812.051	92.335	0.712	ug/L	7.284
Γ	Zn r	66	1452.152	269.007	1.996	ug/L	5.360
|	Zn	67	2792.868	1678.202	12.475	ug/L	3.120
|	Zn	68	1433.148	340.011	2.551	ug/L	6.379
|>	Ge	72	76052.879	98142.756		ug/L	
|	As r	75	-45.785	-144.551	0.080	ug/L	223.319
|	As u	75	8797.116	7238.477	4.129	ug/L	2.187
|	Se r	82	10.873	-0.290	0.118	ug/L	138.757
|	Se	77	2780.228	2359.603	15.118	ug/L	5.294
L	Sr	88	175908.035	127.002	16.746	ug/L	5.717
Γ	Ag r	107	19.667	29.667	-0.001	ug/L	107.369
|	Ag	109	18.000	23.334	0.000	ug/L	4265.377
|	Cd r	111	125.885	162.767	0.001	ug/L	695.965
|	Cd	106	-1959.254	-2408.095	-1.156	ug/L	86.165
|	Cd	108	-2045.245	-2520.806	-1.551	ug/L	77.563
|	Cd	114	11.839	30.477	-0.005	ug/L	9.699
|	Cd u	111	9.667	14.000	-0.001	ug/L	108.707
|>	In	115	154112.826	201011.882		ug/L	
|	Sb r	123	26.582	36.661	-0.001	ug/L	34.401
L	Sb	121	32.000	52.334	-0.002	ug/L	119.716

⌈	Sn	118	93.001	131.336	**-0.002**	ug/L	65.680
|	Sn r	120	135.003	184.004	**-0.001**	ug/L	126.486
|	Ba r	137	12381.751	34.667	**7.484**	ug/L	3.524
|	Ba	135	7208.119	19.000	**7.578**	ug/L	5.782
|>	Tb	159	181644.099	237352.059		ug/L	
|	Tl r	205	241.673	234.006	**0.006**	ug/L	17.092
|	Tl	203	97.668	95.002	**0.006**	ug/L	44.973
|	U	238	1598.515	14.333	**0.101**	ug/L	4.168
⌊	Pb	208	1776.097	699.353	**0.093**	ug/L	10.364
⌈	Na	23	8977584.502	27097.287	**2.290**	mg/L	6.249
|	Mg	24	6068060.630	405.348	**2.199**	mg/L	6.279
|	K	39	1859406.571	467869.939	**0.216**	mg/L	6.517
|	Ca	44	1376301.167	11211.945	**8.261**	mg/L	5.661
|	Fe	54	23021.232	24278.329	**0.007**	mg/L	28.267
⌊>	Sc-1	45	267039.023	326012.180		ug/L	
	Kr	83	129.669	148.336		ug/L	
	Cl	35	25659947.311	27454688.427		mg/L	
	C	12	312057.920	345074.031		mg/L	
	Y	89	146512.637	189640.829		ug/L	
⌈	Br	79	4828.272	2019.619	**18.512**	ug/L	31.309
|	Br	81	15368.520	14687.828	**22.233**	ug/L	23.086
⌊>	Ge-1	72	76052.879	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1728.545	2129.316		ug/L	
	Ho	165	175561.006	233253.622		ug/L	
	Th	232	65.334	71.001	**-0.000**	ug/L	106.371
⌈	Mo	95	140.336	97.335	**0.039**	ug/L	16.311
|	Mo	97	96.002	68.668	**0.040**	ug/L	12.664
|	Mo r	98	222.488	155.226	**0.037**	ug/L	11.132
|	Rh	103	13.333	7.333		ug/L	
⌊>	In-1	115	154112.826	201011.882		ug/L	
	Ti	47	377.346	195.338		ug/L	
	Li	7	23213.874	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-29

Sample Description:
Autosampler Position: 50
Sample Date/Time: Tuesday, February 14, 2012 12:46:48
Dataset File: C:\Elandata\Dataset\EL120214\1202004-29.048
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.001	ug/L	911.156
|>	Li u	6	327766.069	373974.845		ug/L	
L	Li	6	325734.679	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	2372.903
|	B	11	2490.095	99.335	7.338	ug/L	3.991
|	Al	27	3645.900	1258.449	0.776	ug/L	3.314
|>	Sc	45	260382.490	326012.180		ug/L	
|	V r	51	-47.517	-1619.789	0.214	ug/L	37.911
|	V u	51	121171.066	100332.614	7.082	ug/L	9.368
|	Cr r	52	10260.608	9993.255	0.473	ug/L	3.158
|	Cr	53	41923.046	35155.627	25.983	ug/L	9.539
|	Mn	55	7851.757	408.348	0.989	ug/L	6.105
|	Co	59	188.004	28.334	0.031	ug/L	12.126
|	Ni r	60	851.722	67.668	0.732	ug/L	5.374
|	Ni	62	81.001	89.335	0.061	ug/L	174.703
|	Cu r	63	66338.155	190.004	30.277	ug/L	5.294
L	Cu	65	31123.593	92.335	30.777	ug/L	6.253
⌈	Zn r	66	1399.808	269.007	1.971	ug/L	4.857
|	Zn	67	2914.915	1678.202	14.134	ug/L	2.151
|	Zn	68	1665.197	340.011	3.153	ug/L	4.801
|>	Ge	72	74121.860	98142.756		ug/L	
|	As r	75	723.202	-144.551	1.026	ug/L	40.926
|	As u	75	9591.073	7238.477	5.487	ug/L	8.936
|	Se r	82	-0.490	-0.290	0.000	ug/L	119185.643
|	Se	77	2872.240	2359.603	17.787	ug/L	9.620
L	Sr	88	1263758.119	127.002	123.554	ug/L	6.760
⌈	Ag r	107	26.000	29.667	0.001	ug/L	56.313
|	Ag	109	16.667	23.334	-0.000	ug/L	171.396
|	Cd r	111	117.769	162.767	-0.003	ug/L	100.598
|	Cd	106	-2008.780	-2408.095	-2.383	ug/L	19.825
|	Cd	108	-2089.839	-2520.806	-3.175	ug/L	20.036
|	Cd	114	9.756	30.477	-0.005	ug/L	14.110
|	Cd u	111	5.333	14.000	-0.005	ug/L	29.398
|>	In	115	148836.515	201011.882		ug/L	
|	Sb r	123	55.080	36.661	0.011	ug/L	17.664
L	Sb	121	57.667	52.334	0.005	ug/L	29.535

⌈	Sn	118	83.668	131.336	**-0.004**	ug/L	44.003
|	Sn r	120	137.336	184.004	**0.000**	ug/L	333.661
|	Ba r	137	57143.055	34.667	**35.963**	ug/L	7.189
|	Ba	135	33002.749	19.000	**36.111**	ug/L	6.857
|>	Tb	159	174884.698	237352.059		ug/L	
|	Tl r	205	206.338	234.006	**0.004**	ug/L	25.295
|	Tl	203	91.335	95.002	**0.006**	ug/L	12.239
|	U	238	13624.204	14.333	**0.896**	ug/L	5.877
⌊	Pb	208	2322.827	699.353	**0.141**	ug/L	10.242
⌈	Na	23	22169390.612	27097.287	**5.808**	mg/L	5.420
|	Mg	24	7163997.955	405.348	**2.662**	mg/L	5.226
|	K	39	3944273.104	467869.939	**0.536**	mg/L	4.880
|	Ca	44	3442070.951	11211.945	**21.272**	mg/L	5.670
|	Fe	54	20754.011	24278.329	**0.003**	mg/L	41.766
⌊>	Sc-1	45	260382.490	326012.180		ug/L	
	Kr	83	133.002	148.336		ug/L	
	Cl	35	25740716.301	27454688.427		mg/L	
	C	12	302404.275	345074.031		mg/L	
	Y	89	143453.809	189640.829		ug/L	
⌈	Br	79	2965.936	2019.619	**8.386**	ug/L	13.857
|	Br	81	13545.719	14687.828	**14.037**	ug/L	11.479
⌊>	Ge-1	72	74121.860	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1769.555	2129.316		ug/L	
	Ho	165	170229.264	233253.622		ug/L	
	Th	232	54.334	71.001	**-0.001**	ug/L	38.575
⌈	Mo	95	367.679	97.335	**0.180**	ug/L	2.295
|	Mo	97	243.340	68.668	**0.184**	ug/L	12.171
|	Mo r	98	582.956	155.226	**0.172**	ug/L	2.160
|	Rh	103	59.667	7.333		ug/L	
⌊>	In-1	115	148836.515	201011.882		ug/L	
	Ti	47	343.011	195.338		ug/L	
	Li	7	25047.967	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-30

Sample Description:
Autosampler Position: 51
Sample Date/Time: Tuesday, February 14, 2012 12:52:08
Dataset File: C:\Elandata\Dataset\EL120214\1202004-30.049
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.001	ug/L	532.239
|>	Li u	6	333962.590	373974.845		ug/L	
⌊	Li	6	332093.664	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	1153.949
|	B	11	883.726	99.335	2.400	ug/L	5.708
|	Al	27	2237.014	1258.449	0.350	ug/L	4.034
|>	Sc	45	265213.463	326012.180		ug/L	
|	V r	51	-1478.273	-1619.789	-0.028	ug/L	629.034
|	V u	51	123582.121	100332.614	7.108	ug/L	6.007
|	Cr r	52	10713.897	9993.255	0.526	ug/L	4.038
|	Cr	53	42996.282	35155.627	26.525	ug/L	8.426
|	Mn	55	2239.350	408.348	0.246	ug/L	10.113
|	Co	59	109.669	28.334	0.016	ug/L	15.605
|	Ni r	60	567.360	67.668	0.461	ug/L	5.251
|	Ni	62	80.668	89.335	0.051	ug/L	29.893
|	Cu r	63	4842.910	190.004	2.106	ug/L	8.084
⌊	Cu	65	2321.707	92.335	2.186	ug/L	5.990
⌈	Zn r	66	831.387	269.007	1.015	ug/L	1.404
|	Zn	67	2803.539	1678.202	12.840	ug/L	2.716
|	Zn	68	1608.184	340.011	2.974	ug/L	2.094
|>	Ge	72	75173.280	98142.756		ug/L	
|	As r	75	102.583	-144.551	0.259	ug/L	61.358
|	As u	75	9553.695	7238.477	5.255	ug/L	7.215
|	Se r	82	-0.765	-0.290	-0.006	ug/L	3403.751
|	Se	77	2947.321	2359.603	18.327	ug/L	15.152
⌊	Sr	88	282347.058	127.002	27.195	ug/L	6.231
⌈	Ag r	107	18.334	29.667	-0.001	ug/L	155.427
|	Ag	109	14.667	23.334	-0.001	ug/L	108.901
|	Cd r	111	116.089	162.767	-0.007	ug/L	62.110
|	Cd	106	-1841.427	-2408.095	-0.124	ug/L	1025.638
|	Cd	108	-1926.661	-2520.806	-0.160	ug/L	1051.616
|	Cd	114	12.056	30.477	-0.004	ug/L	5.244
|	Cd u	111	3.333	14.000	-0.007	ug/L	8.570
|>	In	115	152753.802	201011.882		ug/L	
|	Sb r	123	88.868	36.661	0.023	ug/L	6.385
⌊	Sb	121	94.668	52.334	0.015	ug/L	15.680

⌈	Sn	118	97.335	131.336	**-0.001**	ug/L	436.643
|	Sn r	120	125.336	184.004	**-0.003**	ug/L	36.559
|	Ba r	137	98500.805	34.667	**60.368**	ug/L	6.768
|	Ba	135	57473.205	19.000	**61.244**	ug/L	6.746
|>	Tb	159	179554.846	237352.059		ug/L	
|	Tl r	205	209.338	234.006	**0.003**	ug/L	35.593
|	Tl	203	92.668	95.002	**0.005**	ug/L	98.505
|	U	238	4605.426	14.333	**0.295**	ug/L	6.453
⌊	Pb	208	621.016	699.353	**0.007**	ug/L	39.128
⌈	Na	23	4699505.932	27097.287	**1.204**	mg/L	5.119
|	Mg	24	3524801.881	405.348	**1.286**	mg/L	5.186
|	K	39	3024035.915	467869.939	**0.389**	mg/L	5.101
|	Ca	44	1560273.583	11211.945	**9.436**	mg/L	5.983
|	Fe	54	21063.109	24278.329	**0.003**	mg/L	53.442
⌊>	Sc-1	45	265213.463	326012.180		ug/L	
	Kr	83	126.336	148.336		ug/L	
	Cl	35	24807135.065	27454688.427		mg/L	
	C	12	295946.187	345074.031		mg/L	
	Y	89	145445.267	189640.829		ug/L	
⌈	Br	79	2031.956	2019.619	**2.781**	ug/L	18.798
|	Br	81	12510.958	14687.828	**7.107**	ug/L	11.451
⌊>	Ge-1	72	75173.280	98142.756		ug/L	
	Ru	99	1.000	1.333		ug/L	
	Pd	105	1628.189	2129.316		ug/L	
	Ho	165	173643.759	233253.622		ug/L	
	Th	232	42.334	71.001	**-0.002**	ug/L	17.208
⌈	Mo	95	343.011	97.335	**0.160**	ug/L	17.002
|	Mo	97	224.339	68.668	**0.160**	ug/L	18.190
|	Mo r	98	569.583	155.226	**0.162**	ug/L	9.130
|	Rh	103	16.000	7.333		ug/L	
⌊>	In-1	115	152753.802	201011.882		ug/L	
	Ti	47	335.677	195.338		ug/L	
	Li	7	23044.701	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 12:57:23
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 2.050
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	14678.806	1.333	**49.706**	ug/L	1.363
|>	Li u	6	323512.315	373974.845		ug/L	
⌊	Li	6	321875.340	372040.788		ug/L	
⌈	Be	9	14678.806	1.333	**54.005**	ug/L	0.865
|	B	11	18349.390	99.335	**53.493**	ug/L	1.632
|	Al	27	183934.715	1258.449	**51.700**	ug/L	0.552
|>	Sc	45	270540.906	326012.180		ug/L	
|	V r	51	296562.853	-1619.789	**49.148**	ug/L	1.424
|	V u	51	390359.851	100332.614	**50.984**	ug/L	1.708
|	Cr r	52	256464.571	9993.255	**49.531**	ug/L	0.539
|	Cr	53	60162.962	35155.627	**55.956**	ug/L	3.852
|	Mn	55	393738.479	408.348	**49.722**	ug/L	0.789
|	Co	59	272061.703	28.334	**49.584**	ug/L	0.342
|	Ni r	60	55700.198	67.668	**49.110**	ug/L	0.400
|	Ni	62	7959.863	89.335	**48.932**	ug/L	0.738
|	Cu r	63	111357.426	190.004	**48.942**	ug/L	0.247
⌊	Cu	65	51424.189	92.335	**48.964**	ug/L	0.133
⌈	Zn r	66	31918.411	269.007	**51.270**	ug/L	0.332
|	Zn	67	8177.426	1678.202	**58.012**	ug/L	0.393
|	Zn	68	23699.363	340.011	**51.503**	ug/L	0.697
|>	Ge	72	75477.942	98142.756		ug/L	
|	As r	75	41113.235	-144.551	**49.895**	ug/L	1.311
|	As u	75	44339.869	7238.477	**50.613**	ug/L	0.911
|	Se r	82	4801.762	-0.290	**51.345**	ug/L	1.124
|	Se	77	5132.770	2359.603	**53.134**	ug/L	3.736
⌊	Sr	88	537709.176	127.002	**51.589**	ug/L	1.046
⌈	Ag r	107	216222.429	29.667	**50.166**	ug/L	0.392
|	Ag	109	204083.540	23.334	**50.257**	ug/L	0.872
|	Cd r	111	53364.922	162.767	**49.983**	ug/L	0.796
|	Cd	106	2949.113	-2408.095	**50.018**	ug/L	1.447
|	Cd	108	1671.476	-2520.806	**50.340**	ug/L	3.397
|	Cd	114	122382.274	30.477	**50.186**	ug/L	1.084
|	Cd u	111	53490.908	14.000	**50.020**	ug/L	0.721
|>	In	115	148365.203	201011.882		ug/L	
|	Sb r	123	130182.293	36.661	**49.843**	ug/L	0.998
⌊	Sb	121	173295.449	52.334	**50.157**	ug/L	0.475

⌈	Sn	118	157200.847	131.336	**49.697**	ug/L	1.021
|	Sn r	120	215070.028	184.004	**49.690**	ug/L	1.052
|	Ba r	137	80509.651	34.667	**50.050**	ug/L	0.898
|	Ba	135	46339.340	19.000	**50.086**	ug/L	1.851
|>	Tb	159	176883.036	237352.059		ug/L	
|	Tl r	205	469518.494	234.006	**50.025**	ug/L	0.215
|	Tl	203	190769.915	95.002	**49.797**	ug/L	0.454
|	U	238	757170.974	14.333	**49.248**	ug/L	0.715
⌊	Pb	208	640056.293	699.353	**49.415**	ug/L	0.783
⌈	Na	23	22167102.577	27097.287	**5.586**	mg/L	0.753
|	Mg	24	15574856.484	405.348	**5.569**	mg/L	0.413
|	K	39	38010042.142	467869.939	**5.430**	mg/L	0.150
|	Ca	44	844502.186	11211.945	**4.978**	mg/L	0.450
|	Fe	54	1941286.665	24278.329	**3.967**	mg/L	0.364
⌊>	Sc-1	45	270540.906	326012.180		ug/L	
	Kr	83	138.669	148.336		ug/L	
	Cl	35	26076652.131	27454688.427		mg/L	
	C	12	318217.895	345074.031		mg/L	
	Y	89	146955.647	189640.829		ug/L	
⌈	Br	79	11149.855	2019.619	**54.781**	ug/L	0.909
|	Br	81	21943.494	14687.828	**59.769**	ug/L	5.196
⌊>	Ge-1	72	75477.942	98142.756		ug/L	
	Ru	99	12.667	1.333		ug/L	
	Pd	105	1740.548	2129.316		ug/L	
	Ho	165	169154.782	233253.622		ug/L	
	Th	232	715312.809	71.001	**42.751**	ug/L	1.982
⌈	Mo	95	82998.551	97.335	**50.564**	ug/L	0.860
|	Mo	97	52539.722	68.668	**50.322**	ug/L	1.834
|	Mo r	98	137205.765	155.226	**50.451**	ug/L	0.609
|	Rh	103	39.000	7.333		ug/L	
⌊>	In-1	115	148365.203	201011.882		ug/L	
	Ti	47	206.005	195.338		ug/L	
	Li	7	20184.649	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 2	Cr	53	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Zn	67	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Na	23	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Mg	24	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Fe	54	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Br	81	CCV (CLC) is out of limits (+/- 10%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 4

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 13:02:35
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 4.051
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	0.002	ug/L	236.595
|>	Li u	6	331405.240	373974.845		ug/L	
⌊	Li	6	329729.450	372040.788		ug/L	
⌈	Be	9	1.667	1.333	0.002	ug/L	201.886
|	B	11	195.005	99.335	0.335	ug/L	46.907
|	Al	27	1089.421	1258.449	0.015	ug/L	104.580
|>	Sc	45	268737.558	326012.180		ug/L	
|	V r	51	-1.396	-1619.789	0.221	ug/L	52.268
|	V u	51	90216.286	100332.614	1.252	ug/L	26.623
|	Cr r	52	7831.732	9993.255	-0.082	ug/L	28.584
|	Cr	53	31300.254	35155.627	4.206	ug/L	32.569
|	Mn	55	339.344	408.348	0.000	ug/L	620.092
|	Co	59	40.667	28.334	0.003	ug/L	37.191
|	Ni r	60	46.334	67.668	-0.008	ug/L	36.124
|	Ni	62	66.668	89.335	-0.044	ug/L	143.529
|	Cu r	63	148.336	190.004	-0.004	ug/L	100.614
⌊	Cu	65	71.334	92.335	-0.005	ug/L	179.646
⌈	Zn r	66	126.002	269.007	-0.133	ug/L	4.046
|	Zn	67	2457.418	1678.202	9.597	ug/L	9.221
|	Zn	68	322.677	340.011	0.127	ug/L	17.925
|>	Ge	72	76310.092	98142.756		ug/L	
|	As r	75	27.556	-144.551	0.168	ug/L	45.816
|	As u	75	4842.243	7238.477	-1.017	ug/L	32.520
|	Se r	82	8.910	-0.290	0.097	ug/L	143.547
|	Se	77	1568.887	2359.603	-4.218	ug/L	36.134
⌊	Sr	88	185.004	127.002	0.008	ug/L	15.174
⌈	Ag r	107	38.000	29.667	0.003	ug/L	70.851
|	Ag	109	38.000	23.334	0.005	ug/L	61.467
|	Cd r	111	143.390	162.767	0.016	ug/L	56.935
|	Cd	106	-1987.963	-2408.095	-1.386	ug/L	13.227
|	Cd	108	-2093.715	-2520.806	-2.129	ug/L	14.579
|	Cd	114	17.169	30.477	-0.002	ug/L	34.764
|	Cd u	111	10.667	14.000	-0.000	ug/L	1866.289
|>	In	115	154556.883	201011.882		ug/L	
|	Sb r	123	38.789	36.661	0.004	ug/L	25.911
⌊	Sb	121	40.334	52.334	0.000	ug/L	6830.820

⌈	Sn	118	167.670	131.336	**0.020**	ug/L	37.737
|	Sn r	120	238.673	184.004	**0.021**	ug/L	27.188
|	Ba r	137	44.334	34.667	**0.011**	ug/L	72.949
|	Ba	135	26.334	19.000	**0.012**	ug/L	49.905
|>	Tb	159	183847.502	237352.059		ug/L	
|	Tl r	205	1539.184	234.006	**0.140**	ug/L	45.169
|	Tl	203	601.365	95.002	**0.134**	ug/L	45.774
|	U	238	92.335	14.333	**0.005**	ug/L	17.632
⌊	Pb	208	393.008	699.353	**-0.011**	ug/L	18.463
⌈	Na	23	25207.487	27097.287	**0.001**	mg/L	13.255
|	Mg	24	1321.127	405.348	**0.000**	mg/L	11.118
|	K	39	402744.361	467869.939	**0.002**	mg/L	10.904
|	Ca	44	7628.858	11211.945	**-0.010**	mg/L	6.852
|	Fe	54	19770.085	24278.329	**-0.000**	mg/L	138.550
⌊>	Sc-1	45	268737.558	326012.180		ug/L	
	Kr	83	125.336	148.336		ug/L	
	Cl	35	25908120.187	27454688.427		mg/L	
	C	12	298605.713	345074.031		mg/L	
	Y	89	151141.815	189640.829		ug/L	
⌈	Br	79	2438.411	2019.619	**4.901**	ug/L	4.696
|	Br	81	13029.156	14687.828	**8.941**	ug/L	15.654
⌊>	Ge-1	72	76310.092	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1768.888	2129.316		ug/L	
	Ho	165	179768.431	233253.622		ug/L	
	Th	232	540.358	71.001	**0.028**	ug/L	20.952
⌈	Mo	95	123.669	97.335	**0.029**	ug/L	42.195
|	Mo	97	84.001	68.668	**0.029**	ug/L	20.753
|	Mo r	98	213.968	155.226	**0.033**	ug/L	35.695
|	Rh	103	4.333	7.333		ug/L	
⌊>	In-1	115	154556.883	201011.882		ug/L	
	Ti	47	153.336	195.338		ug/L	
	Li	7	20663.259	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 4	V u	51	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cr	53	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Zn	67	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	As u	75	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	106	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	108	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	79	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	81	IBL (LCB) is out of limits (+/- 0.400ug/L)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-31

Sample Description:
Autosampler Position: 52
Sample Date/Time: Tuesday, February 14, 2012 13:07:54
Dataset File: C:\Elandata\Dataset\EL120214\1202004-31.052
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	238.088
|>	Li u	6	332728.851	373974.845		ug/L	
⌊	Li	6	331039.724	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.002	ug/L	274.789
|	B	11	802.383	99.335	2.106	ug/L	6.981
|	Al	27	2255.020	1258.449	0.341	ug/L	12.705
|>	Sc	45	271051.036	326012.180		ug/L	
|	V r	51	295.744	-1619.789	0.269	ug/L	55.622
|	V u	51	96952.251	100332.614	2.249	ug/L	25.423
|	Cr r	52	8405.674	9993.255	0.020	ug/L	131.044
|	Cr	53	33282.203	35155.627	7.330	ug/L	32.459
|	Mn	55	415.349	408.348	0.010	ug/L	59.226
|	Co	59	22.000	28.334	-0.000	ug/L	138.814
|	Ni r	60	51.334	67.668	-0.004	ug/L	143.054
|	Ni	62	81.335	89.335	0.044	ug/L	88.849
|	Cu r	63	165.337	190.004	0.003	ug/L	218.841
⌊	Cu	65	92.335	92.335	0.015	ug/L	21.643
⌈	Zn r	66	128.336	269.007	-0.134	ug/L	21.685
|	Zn	67	2620.139	1678.202	10.525	ug/L	11.763
|	Zn	68	335.344	340.011	0.139	ug/L	43.240
|>	Ge	72	77918.232	98142.756		ug/L	
|	As r	75	-1.112	-144.551	0.133	ug/L	43.623
|	As u	75	5415.294	7238.477	-0.415	ug/L	64.661
|	Se r	82	5.858	-0.290	0.065	ug/L	219.854
|	Se	77	1771.223	2359.603	-1.562	ug/L	87.053
⌊	Sr	88	119.669	127.002	0.002	ug/L	53.528
⌈	Ag r	107	19.667	29.667	-0.001	ug/L	52.653
|	Ag	109	20.334	23.334	0.000	ug/L	120.859
|	Cd r	111	134.060	162.767	0.005	ug/L	71.806
|	Cd	106	-2115.419	-2408.095	-2.128	ug/L	57.748
|	Cd	108	-2211.993	-2520.806	-2.965	ug/L	53.483
|	Cd	114	6.043	30.477	-0.007	ug/L	4.692
|	Cd u	111	5.000	14.000	-0.005	ug/L	18.130
|>	In	115	158782.515	201011.882		ug/L	
|	Sb r	123	27.206	36.661	-0.001	ug/L	520.672
⌊	Sb	121	25.000	52.334	-0.004	ug/L	61.243

⌈	Sn	118	122.669	131.336	**0.006**	ug/L	93.787
|	Sn r	120	176.670	184.004	**0.007**	ug/L	94.485
|	Ba r	137	44.001	34.667	**0.010**	ug/L	58.014
|	Ba	135	25.667	19.000	**0.011**	ug/L	55.357
|>	Tb	159	187070.861	237352.059		ug/L	
|	Tl r	205	488.021	234.006	**0.031**	ug/L	22.716
|	Tl	203	208.672	95.002	**0.033**	ug/L	12.664
|	U	238	20.334	14.333	**0.001**	ug/L	118.688
L	Pb	208	338.340	699.353	**-0.016**	ug/L	7.007
⌈	Na	23	24191.222	27097.287	**0.000**	mg/L	22.716
|	Mg	24	860.057	405.348	**0.000**	mg/L	8.546
|	K	39	410078.144	467869.939	**0.003**	mg/L	9.462
|	Ca	44	7936.171	11211.945	**-0.008**	mg/L	4.354
|	Fe	54	19230.885	24278.329	**-0.002**	mg/L	90.530
L>	Sc-1	45	271051.036	326012.180		ug/L	
	Kr	83	131.336	148.336		ug/L	
	Cl	35	26643839.958	27454688.427		mg/L	
	C	12	308017.409	345074.031		mg/L	
	Y	89	153032.229	189640.829		ug/L	
⌈	Br	79	1466.821	2019.619	**-0.750**	ug/L	51.732
|	Br	81	12203.469	14687.828	**2.961**	ug/L	74.116
L>	Ge-1	72	77918.232	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1867.579	2129.316		ug/L	
	Ho	165	178259.983	233253.622		ug/L	
	Th	232	162.337	71.001	**0.005**	ug/L	14.290
⌈	Mo	95	95.002	97.335	**0.010**	ug/L	10.140
|	Mo	97	54.001	68.668	**-0.000**	ug/L	2690.365
|	Mo r	98	136.152	155.226	**0.005**	ug/L	120.594
|	Rh	103	4.000	7.333		ug/L	
L>	In-1	115	158782.515	201011.882		ug/L	
	Ti	47	157.003	195.338		ug/L	
	Li	7	20827.709	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-32

Sample Description:
Autosampler Position: 53
Sample Date/Time: Tuesday, February 14, 2012 13:13:15
Dataset File: C:\Elandata\Dataset\EL120214\1202004-32.053
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9*	0.667	1.333	**-0.002**	ug/L	108.839
|>	Li u	6	333036.856	373974.845		ug/L	
⌊	Li	6	330958.598	372040.788		ug/L	
⌈	Be	9	0.667	1.333	**-0.002**	ug/L	134.754
|	B	11	2449.415	99.335	**7.061**	ug/L	5.891
|	Al	27	3576.869	1258.449	**0.734**	ug/L	9.089
|>	Sc	45	265889.681	326012.180		ug/L	
|	V r	51	119.329	-1619.789	**0.241**	ug/L	52.025
|	V u	51	98172.059	100332.614	**2.758**	ug/L	7.730
|	Cr r	52	8454.064	9993.255	**0.061**	ug/L	49.541
|	Cr	53	33951.462	35155.627	**9.690**	ug/L	8.479
|	Mn	55	3740.613	408.348	**0.438**	ug/L	1.772
|	Co	59	159.337	28.334	**0.025**	ug/L	7.068
|	Ni r	60	738.376	67.668	**0.613**	ug/L	3.749
|	Ni	62	82.335	89.335	**0.060**	ug/L	63.869
|	Cu r	63	2327.709	190.004	**0.973**	ug/L	3.625
⌊	Cu	65	1049.749	92.335	**0.946**	ug/L	6.079
⌈	Zn r	66	422.683	269.007	**0.360**	ug/L	9.410
|	Zn	67	2809.541	1678.202	**13.158**	ug/L	6.771
|	Zn	68	1343.798	340.011	**2.424**	ug/L	5.276
|>	Ge	72	74351.744	98142.756		ug/L	
|	As r	75	-43.953	-144.551	**0.082**	ug/L	107.065
|	As u	75	6306.315	7238.477	**1.089**	ug/L	8.649
|	Se r	82	1.899	-0.290	**0.023**	ug/L	1118.687
|	Se	77	1901.960	2359.603	**1.863**	ug/L	59.535
⌊	Sr	88	784379.420	127.002	**76.423**	ug/L	3.246
⌈	Ag r	107	29.667	29.667	**0.002**	ug/L	72.775
|	Ag	109	18.000	23.334	**0.000**	ug/L	287.521
|	Cd r	111	133.800	162.767	**0.010**	ug/L	8.148
|	Cd	106	-1982.061	-2408.095	**-1.681**	ug/L	116.000
|	Cd	108	-2082.420	-2520.806	**-2.475**	ug/L	103.207
|	Cd	114	13.418	30.477	**-0.004**	ug/L	78.320
|	Cd u	111	6.333	14.000	**-0.004**	ug/L	49.860
|>	In	115	151949.514	201011.882		ug/L	
|	Sb r	123	59.201	36.661	**0.012**	ug/L	16.716
⌊	Sb	121	75.668	52.334	**0.010**	ug/L	10.119

⌈	Sn	118	108.669	131.336	**0.003**	ug/L	156.711
|	Sn r	120	158.003	184.004	**0.004**	ug/L	31.866
|	Ba r	137	104756.080	34.667	**63.760**	ug/L	4.498
|	Ba	135	60097.892	19.000	**63.605**	ug/L	5.052
|>	Tb	159	180811.266	237352.059		ug/L	
|	Tl r	205	338.344	234.006	**0.017**	ug/L	17.773
|	Tl	203	136.003	95.002	**0.016**	ug/L	33.715
|	U	238	13841.581	14.333	**0.881**	ug/L	3.154
⌊	Pb	208	3334.986	699.353	**0.212**	ug/L	3.800
⌈	Na	23	19833099.349	27097.287	**5.087**	mg/L	2.916
|	Mg	24	11519835.819	405.348	**4.192**	mg/L	2.716
|	K	39	3883722.263	467869.939	**0.514**	mg/L	3.299
|	Ca	44	3132214.070	11211.945	**18.948**	mg/L	3.472
|	Fe	54	21201.099	24278.329	**0.003**	mg/L	46.083
⌊>	Sc-1	45	265889.681	326012.180		ug/L	
	Kr	83	126.669	148.336		ug/L	
	Cl	35	25577824.650	27454688.427		mg/L	
	C	12	304837.478	345074.031		mg/L	
	Y	89	147147.960	189640.829		ug/L	
⌈	Br	79	1951.934	2019.619	**2.448**	ug/L	12.820
|	Br	81	12423.149	14687.828	**7.389**	ug/L	5.168
⌊>	Ge-1	72	74351.744	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1761.887	2129.316		ug/L	
	Ho	165	173729.339	233253.622		ug/L	
	Th	232	135.669	71.001	**0.004**	ug/L	1.786
⌈	Mo	95	329.677	97.335	**0.152**	ug/L	4.849
|	Mo	97	204.338	68.668	**0.143**	ug/L	5.847
|	Mo r	98	545.174	155.226	**0.154**	ug/L	3.884
|	Rh	103	40.001	7.333		ug/L	
⌊>	In-1	115	151949.514	201011.882		ug/L	
	Ti	47	358.012	195.338		ug/L	
	Li	7	25625.872	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21302-MS1

Sample Description:
Autosampler Position: 54
Sample Date/Time: Tuesday, February 14, 2012 13:18:37
Dataset File: C:\Elandata\Dataset\EL120214\BB21302-MS1.054
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	630.032	1.333	**2.107**	ug/L	8.053
|>	Li u	6	327113.948	373974.845		ug/L	
⌊	Li	6	323292.069	372040.788		ug/L	
⌈	Be	9	630.032	1.333	**2.341**	ug/L	8.713
|	B	11	10074.390	99.335	**29.613**	ug/L	9.986
|	Al	27	295339.077	1258.449	**84.175**	ug/L	9.676
|>	Sc	45	267658.025	326012.180		ug/L	
|	V r	51	117488.124	-1619.789	**19.834**	ug/L	10.646
|	V u	51	225441.090	100332.614	**24.035**	ug/L	12.420
|	Cr r	52	108342.233	9993.255	**20.221**	ug/L	9.887
|	Cr	53	47935.273	35155.627	**34.851**	ug/L	16.006
|	Mn	55	164960.027	408.348	**21.053**	ug/L	9.809
|	Co	59	111261.318	28.334	**20.514**	ug/L	9.959
|	Ni r	60	22815.483	67.668	**20.324**	ug/L	9.417
|	Ni	62	3268.398	89.335	**20.061**	ug/L	11.117
|	Cu r	63	46908.738	190.004	**20.819**	ug/L	10.015
⌊	Cu	65	21989.425	92.335	**21.143**	ug/L	10.164
⌈	Zn r	66	13349.066	269.007	**21.455**	ug/L	7.938
|	Zn	67	5351.585	1678.202	**34.635**	ug/L	9.418
|	Zn	68	11530.447	340.011	**25.011**	ug/L	9.379
|>	Ge	72	74834.411	98142.756		ug/L	
|	As r	75	16764.246	-144.551	**20.626**	ug/L	10.031
|	As u	75	23354.780	7238.477	**23.518**	ug/L	12.830
|	Se r	82	1878.461	-0.290	**20.290**	ug/L	11.127
|	Se	77	3664.937	2359.603	**30.190**	ug/L	17.758
⌊	Sr	88	1023563.466	127.002	**99.168**	ug/L	9.518
⌈	Ag r	107	8821.843	29.667	**2.011**	ug/L	11.086
|	Ag	109	8494.124	23.334	**2.056**	ug/L	8.981
|	Cd r	111	2285.631	162.767	**2.000**	ug/L	5.108
|	Cd	106	-1790.189	-2408.095	**0.166**	ug/L	465.559
|	Cd	108	-1851.845	-2520.806	**0.545**	ug/L	254.864
|	Cd	114	5173.327	30.477	**2.080**	ug/L	8.126
|	Cd u	111	2250.686	14.000	**2.063**	ug/L	6.019
|>	In	115	150743.894	201011.882		ug/L	
|	Sb r	123	54861.660	36.661	**20.681**	ug/L	8.924
⌊	Sb	121	72312.078	52.334	**20.608**	ug/L	10.045

⌈	Sn	118	63476.646	131.336	**19.921**	ug/L	10.397
|	Sn r	120	87840.609	184.004	**20.146**	ug/L	9.983
|	Ba r	137	241681.297	34.667	**149.313**	ug/L	10.150
|	Ba	135	140538.613	19.000	**150.974**	ug/L	10.184
|>	Tb	159	178268.733	237352.059		ug/L	
|	Tl r	205	192064.650	234.006	**20.321**	ug/L	10.132
|	Tl	203	78351.848	95.002	**20.309**	ug/L	9.403
|	U	238	325824.152	14.333	**21.058**	ug/L	10.435
⌊	Pb	208	267056.783	699.353	**20.462**	ug/L	10.038
⌈	Na	23	22196431.020	27097.287	**5.660**	mg/L	9.526
|	Mg	24	13111141.867	405.348	**4.743**	mg/L	9.599
|	K	39	10121225.076	467869.939	**1.422**	mg/L	10.050
|	Ca	44	3303164.066	11211.945	**19.868**	mg/L	10.610
|	Fe	54	100823.803	24278.329	**0.169**	mg/L	11.007
⌊>	Sc-1	45	267658.025	326012.180		ug/L	
	Kr	83	132.669	148.336		ug/L	
	Cl	35	26181787.185	27454688.427		mg/L	
	C	12	307270.926	345074.031		mg/L	
	Y	89	144134.674	189640.829		ug/L	
⌈	Br	79	3143.674	2019.619	**9.247**	ug/L	11.810
|	Br	81	13579.779	14687.828	**13.488**	ug/L	6.107
⌊>	Ge-1	72	74834.411	98142.756		ug/L	
	Ru	99	7.333	1.333		ug/L	
	Pd	105	1737.214	2129.316		ug/L	
	Ho	165	172080.615	233253.622		ug/L	
	Th	232	208.005	71.001	**0.008**	ug/L	15.241
⌈	Mo	95	34109.552	97.335	**20.442**	ug/L	10.428
|	Mo	97	21589.947	68.668	**20.339**	ug/L	9.684
|	Mo r	98	56560.142	155.226	**20.459**	ug/L	9.267
|	Rh	103	52.667	7.333		ug/L	
⌊>	In-1	115	150743.894	201011.882		ug/L	
	Ti	47	8707.035	195.338		ug/L	
	Li	7	47125.512	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r 137	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca 44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-33

Sample Description:
Autosampler Position: 55
Sample Date/Time: Tuesday, February 14, 2012 13:23:55
Dataset File: C:\Elandata\Dataset\EL120214\1202004-33.055
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	117.237
|>	Li u	6	326491.159	373974.845		ug/L	
⌊	Li	6	324608.677	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.002	ug/L	145.468
|	B	11	916.397	99.335	2.528	ug/L	11.268
|	Al	27	2890.572	1258.449	0.547	ug/L	4.608
|>	Sc	45	262573.593	326012.180		ug/L	
|	V r	51	-1054.932	-1619.789	0.044	ug/L	596.874
|	V u	51	111838.754	100332.614	5.314	ug/L	11.696
|	Cr r	52	9896.127	9993.255	0.381	ug/L	13.565
|	Cr	53	38940.381	35155.627	19.785	ug/L	10.101
|	Mn	55	3883.022	408.348	0.463	ug/L	9.615
|	Co	59	126.002	28.334	0.019	ug/L	14.124
|	Ni r	60	529.357	67.668	0.432	ug/L	8.581
|	Ni	62	76.334	89.335	0.029	ug/L	229.223
|	Cu r	63	1178.102	190.004	0.465	ug/L	8.646
⌊	Cu	65	579.028	92.335	0.497	ug/L	13.359
⌈	Zn r	66	343.011	269.007	0.225	ug/L	11.735
|	Zn	67	2933.255	1678.202	14.045	ug/L	2.139
|	Zn	68	1291.788	340.011	2.290	ug/L	10.387
|>	Ge	72	74847.167	98142.756		ug/L	
|	As r	75	141.906	-144.551	0.308	ug/L	53.521
|	As u	75	8003.244	7238.477	3.272	ug/L	15.063
|	Se r	82	-13.551	-0.290	-0.144	ug/L	124.381
|	Se	77	2410.349	2359.603	9.870	ug/L	9.337
⌊	Sr	88	296536.819	127.002	28.708	ug/L	9.028
⌈	Ag r	107	20.000	29.667	-0.001	ug/L	269.847
|	Ag	109	20.667	23.334	0.001	ug/L	138.432
|	Cd r	111	113.876	162.767	-0.008	ug/L	85.658
|	Cd	106	-1865.571	-2408.095	-0.537	ug/L	119.233
|	Cd	108	-1946.809	-2520.806	-0.670	ug/L	106.734
|	Cd	114	7.741	30.477	-0.006	ug/L	9.880
|	Cd u	111	3.667	14.000	-0.006	ug/L	16.941
|>	In	115	151473.798	201011.882		ug/L	
|	Sb r	123	102.663	36.661	0.028	ug/L	20.486
⌊	Sb	121	135.336	52.334	0.027	ug/L	4.079

⌈	Sn	118	146.336	131.336	**0.015**	ug/L	39.008
|	Sn r	120	218.005	184.004	**0.019**	ug/L	46.099
|	Ba r	137	102084.349	34.667	**63.586**	ug/L	8.910
|	Ba	135	59077.159	19.000	**63.984**	ug/L	9.747
|>	Tb	159	176764.518	237352.059		ug/L	
|	Tl r	205	868.394	234.006	**0.074**	ug/L	39.558
|	Tl	203	341.345	95.002	**0.071**	ug/L	34.374
|	U	238	4911.624	14.333	**0.319**	ug/L	10.467
⌊	Pb	208	371.007	699.353	**-0.012**	ug/L	18.783
⌈	Na	23	4949359.953	27097.287	**1.282**	mg/L	8.469
|	Mg	24	3714568.273	405.348	**1.370**	mg/L	8.849
|	K	39	3164814.414	467869.939	**0.415**	mg/L	8.455
|	Ca	44	1634125.102	11211.945	**9.993**	mg/L	8.839
|	Fe	54	21660.824	24278.329	**0.005**	mg/L	52.997
⌊>	Sc-1	45	262573.593	326012.180		ug/L	
	Kr	83	140.003	148.336		ug/L	
	Cl	35	26174567.611	27454688.427		mg/L	
	C	12	315595.641	345074.031		mg/L	
	Y	89	146088.578	189640.829		ug/L	
⌈	Br	79	1609.185	2019.619	**0.402**	ug/L	205.005
|	Br	81	12094.626	14687.828	**5.048**	ug/L	18.955
⌊>	Ge-1	72	74847.167	98142.756		ug/L	
	Ru	99	1.000	1.333		ug/L	
	Pd	105	1645.192	2129.316		ug/L	
	Ho	165	172499.407	233253.622		ug/L	
	Th	232	89.001	71.001	**0.001**	ug/L	43.390
⌈	Mo	95	376.680	97.335	**0.182**	ug/L	17.102
|	Mo	97	256.674	68.668	**0.193**	ug/L	14.230
|	Mo r	98	645.886	155.226	**0.191**	ug/L	15.061
|	Rh	103	14.333	7.333		ug/L	
⌊>	In-1	115	151473.798	201011.882		ug/L	
	Ti	47	330.010	195.338		ug/L	
	Li	7	23211.868	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-34

Sample Description:

Autosampler Position: 56

Sample Date/Time: Tuesday, February 14, 2012 13:29:10

Dataset File: C:\Elandata\Dataset\EL120214\1202004-34.056

Optimization File: C:\Elandata\Optimize\epa.dac

Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth

Calibration File: C:\Elandata\System\EL120214.cal

Report Title: QUANTITATIVE ANALYSIS REPORT

analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.333	1.333	-0.003	ug/L	67.323
|>	Li u	6	330358.090	373974.845		ug/L	
⌊	Li	6	328314.468	372040.788		ug/L	
⌈	Be	9	0.333	1.333	-0.003	ug/L	79.436
|	B	11	2533.110	99.335	7.568	ug/L	9.428
|	Al	27	3104.992	1258.449	0.628	ug/L	10.326
|>	Sc	45	257331.410	326012.180		ug/L	
|	V r	51	-163.840	-1619.789	0.193	ug/L	26.124
|	V u	51	112601.803	100332.614	5.840	ug/L	12.720
|	Cr r	52	9684.524	9993.255	0.377	ug/L	13.228
|	Cr	53	39133.700	35155.627	21.639	ug/L	12.524
|	Mn	55	7342.926	408.348	0.934	ug/L	10.870
|	Co	59	198.671	28.334	0.034	ug/L	15.323
|	Ni r	60	875.726	67.668	0.764	ug/L	12.474
|	Ni	62	78.335	89.335	0.050	ug/L	222.803
|	Cu r	63	3213.373	190.004	1.419	ug/L	10.487
⌊	Cu	65	1498.495	92.335	1.431	ug/L	8.754
⌈	Zn r	66	437.350	269.007	0.402	ug/L	20.632
|	Zn	67	2705.503	1678.202	12.834	ug/L	3.761
|	Zn	68	1014.410	340.011	1.745	ug/L	8.636
|>	Ge	72	72579.247	98142.756		ug/L	
|	As r	75	734.398	-144.551	1.061	ug/L	25.390
|	As u	75	8787.442	7238.477	4.669	ug/L	13.856
|	Se r	82	-1.420	-0.290	-0.013	ug/L	502.196
|	Se	77	2571.853	2359.603	13.802	ug/L	23.883
⌊	Sr	88	1277535.748	127.002	127.604	ug/L	9.526
⌈	Ag r	107	21.334	29.667	-0.000	ug/L	426.201
|	Ag	109	17.667	23.334	0.000	ug/L	909.603
|	Cd r	111	125.162	162.767	0.005	ug/L	255.002
|	Cd	106	-1912.684	-2408.095	-1.382	ug/L	103.284
|	Cd	108	-2009.367	-2520.806	-2.055	ug/L	82.045
|	Cd	114	9.067	30.477	-0.006	ug/L	8.236
|	Cd u	111	3.000	14.000	-0.007	ug/L	13.721
|>	In	115	148599.878	201011.882		ug/L	
|	Sb r	123	59.777	36.661	0.013	ug/L	16.012
⌊	Sb	121	63.668	52.334	0.007	ug/L	17.390

⌈	Sn	118	109.335	131.336	**0.004**	ug/L	54.504
|	Sn r	120	170.670	184.004	**0.008**	ug/L	41.750
|	Ba r	137	58539.936	34.667	**36.813**	ug/L	9.393
|	Ba	135	33655.100	19.000	**36.801**	ug/L	9.982
|>	Tb	159	175069.049	237352.059		ug/L	
|	Tl r	205	369.346	234.006	**0.021**	ug/L	0.760
|	Tl	203	157.003	95.002	**0.023**	ug/L	5.738
|	U	238	13735.430	14.333	**0.903**	ug/L	9.197
L	Pb	208	5363.116	699.353	**0.379**	ug/L	7.447
⌈	Na	23	22662774.059	27097.287	**6.012**	mg/L	9.039
|	Mg	24	7295262.381	405.348	**2.746**	mg/L	9.525
|	K	39	3989459.580	467869.939	**0.550**	mg/L	8.925
|	Ca	44	3512655.671	11211.945	**21.986**	mg/L	9.479
|	Fe	54	20605.505	24278.329	**0.003**	mg/L	76.865
L>	Sc-1	45	257331.410	326012.180		ug/L	
	Kr	83	125.002	148.336		ug/L	
	Cl	35	26364081.443	27454688.427		mg/L	
	C	12	311977.732	345074.031		mg/L	
	Y	89	142333.707	189640.829		ug/L	
⌈	Br	79	1727.545	2019.619	**1.398**	ug/L	60.707
|	Br	81	11830.876	14687.828	**5.665**	ug/L	15.466
L>	Ge-1	72	72579.247	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1702.206	2129.316		ug/L	
	Ho	165	169352.246	233253.622		ug/L	
	Th	232	75.668	71.001	**0.000**	ug/L	208.126
⌈	Mo	95	366.679	97.335	**0.180**	ug/L	18.939
|	Mo	97	229.672	68.668	**0.171**	ug/L	6.241
|	Mo r	98	598.475	155.226	**0.178**	ug/L	10.226
|	Rh	103	59.001	7.333		ug/L	
L>	In-1	115	148599.878	201011.882		ug/L	
	Ti	47	371.679	195.338		ug/L	
	Li	7	25198.792	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-35

Sample Description:
Autosampler Position: 57
Sample Date/Time: Tuesday, February 14, 2012 13:34:25
Dataset File: C:\Elandata\Dataset\EL120214\1202004-35.057
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.000	1.333	-0.004	ug/L	
|>	Li u	6	332683.463	373974.845		ug/L	
⌊	Li	6	330626.279	372040.788		ug/L	
⌈	Be	9	0.000	1.333	-0.004	ug/L	0.000
|	B	11	2480.099	99.335	7.344	ug/L	19.444
|	Al	27	2610.805	1258.449	0.475	ug/L	18.789
|>	Sc	45	259725.458	326012.180		ug/L	
|	V r	51	-409.010	-1619.789	0.149	ug/L	117.606
|	V u	51	116179.891	100332.614	6.293	ug/L	28.610
|	Cr r	52	9696.874	9993.255	0.362	ug/L	25.534
|	Cr	53	40139.889	35155.627	22.914	ug/L	31.189
|	Mn	55	2317.710	408.348	0.263	ug/L	19.218
|	Co	59	171.337	28.334	0.028	ug/L	20.767
|	Ni r	60	786.382	67.668	0.675	ug/L	18.936
|	Ni	62	90.001	89.335	0.122	ug/L	32.392
|	Cu r	63	10056.427	190.004	4.552	ug/L	16.869
⌊	Cu	65	4657.146	92.335	4.565	ug/L	18.342
⌈	Zn r	66	1433.817	269.007	2.048	ug/L	19.942
|	Zn	67	3023.959	1678.202	15.273	ug/L	13.945
|	Zn	68	2091.974	340.011	4.147	ug/L	13.936
|>	Ge	72	73623.149	98142.756		ug/L	
|	As r	75	-419.882	-144.551	-0.387	ug/L	59.889
|	As u	75	8169.106	7238.477	3.682	ug/L	32.514
|	Se r	82	6.336	-0.290	0.075	ug/L	385.531
|	Se	77	2707.316	2359.603	15.463	ug/L	38.185
⌊	Sr	88	779545.996	127.002	76.870	ug/L	17.895
⌈	Ag r	107	23.667	29.667	0.000	ug/L	338.542
|	Ag	109	18.000	23.334	0.000	ug/L	354.754
|	Cd r	111	114.852	162.767	-0.005	ug/L	67.796
|	Cd	106	-2014.964	-2408.095	-2.442	ug/L	34.545
|	Cd	108	-2090.382	-2520.806	-3.173	ug/L	32.895
|	Cd	114	8.588	30.477	-0.006	ug/L	35.552
|	Cd u	111	6.333	14.000	-0.004	ug/L	17.604
|>	In	115	148942.556	201011.882		ug/L	
|	Sb r	123	50.746	36.661	0.009	ug/L	16.443
⌊	Sb	121	72.334	52.334	0.010	ug/L	41.723

⌈	Sn	118	102.335	131.336	**0.002**	ug/L	478.712
|	Sn r	120	151.336	184.004	**0.003**	ug/L	104.003
|	Ba r	137	102796.616	34.667	**64.311**	ug/L	17.818
|	Ba	135	60096.109	19.000	**65.365**	ug/L	17.560
|>	Tb	159	176211.526	237352.059		ug/L	
|	Tl r	205	270.674	234.006	**0.010**	ug/L	6.364
|	Tl	203	111.669	95.002	**0.011**	ug/L	27.453
|	U	238	13767.323	14.333	**0.900**	ug/L	18.238
⌊	Pb	208	2283.823	699.353	**0.137**	ug/L	19.230
⌈	Na	23	19963738.321	27097.287	**5.254**	mg/L	17.643
|	Mg	24	11538961.743	405.348	**4.308**	mg/L	17.379
|	K	39	3902267.813	467869.939	**0.532**	mg/L	17.658
|	Ca	44	3148032.425	11211.945	**19.542**	mg/L	18.350
|	Fe	54	20175.040	24278.329	**0.002**	mg/L	190.029
⌊>	Sc-1	45	259725.458	326012.180		ug/L	
	Kr	83	114.669	148.336		ug/L	
	Cl	35	25763051.860	27454688.427		mg/L	
	C	12	307771.346	345074.031		mg/L	
	Y	89	143614.652	189640.829		ug/L	
⌈	Br	79	1642.860	2019.619	**0.766**	ug/L	171.213
|	Br	81	11829.541	14687.828	**4.684**	ug/L	23.995
⌊>	Ge-1	72	73623.149	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1768.888	2129.316		ug/L	
	Ho	165	169990.682	233253.622		ug/L	
	Th	232	62.001	71.001	**-0.001**	ug/L	61.864
⌈	Mo	95	341.011	97.335	**0.164**	ug/L	17.533
|	Mo	97	216.339	68.668	**0.158**	ug/L	10.893
|	Mo r	98	523.469	155.226	**0.150**	ug/L	20.161
|	Rh	103	41.334	7.333		ug/L	
⌊>	In-1	115	148942.556	201011.882		ug/L	
	Ti	47	338.678	195.338		ug/L	
	Li	7	25366.012	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21302-DUP3

Sample Description:
Autosampler Position: 58
Sample Date/Time: Tuesday, February 14, 2012 13:39:41
Dataset File: C:\Elandata\Dataset\EL120214\BB21302-DUP3.058
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	**0.000**	ug/L	782.391
|>	Li u	6	335032.775	373974.845		ug/L	
⌊	Li	6	332947.030	372040.788		ug/L	
⌈	Be	9	1.333	1.333	**0.001**	ug/L	409.543
|	B	11	2481.763	99.335	**7.353**	ug/L	15.836
|	Al	27	2688.499	1258.449	**0.498**	ug/L	18.864
|>	Sc	45	259617.726	326012.180		ug/L	
|	V r	51	-502.368	-1619.789	**0.136**	ug/L	116.935
|	V u	51	120024.307	100332.614	**6.976**	ug/L	29.712
|	Cr r	52	9907.145	9993.255	**0.407**	ug/L	28.008
|	Cr	53	41437.484	35155.627	**25.418**	ug/L	31.487
|	Mn	55	2321.376	408.348	**0.264**	ug/L	16.079
|	Co	59	164.670	28.334	**0.027**	ug/L	19.160
|	Ni r	60	783.382	67.668	**0.673**	ug/L	21.811
|	Ni	62	89.001	89.335	**0.115**	ug/L	7.479
|	Cu r	63	8910.284	190.004	**4.026**	ug/L	13.368
⌊	Cu	65	4139.162	92.335	**4.049**	ug/L	13.140
⌈	Zn r	66	1284.121	269.007	**1.801**	ug/L	14.210
|	Zn	67	2965.268	1678.202	**14.797**	ug/L	8.271
|	Zn	68	1940.599	340.011	**3.814**	ug/L	14.841
|>	Ge	72	73506.757	98142.756		ug/L	
|	As r	75	-179.749	-144.551	**-0.090**	ug/L	130.588
|	As u	75	8696.356	7238.477	**4.411**	ug/L	29.201
|	Se r	82	8.232	-0.290	**0.093**	ug/L	176.697
|	Se	77	2773.918	2359.603	**16.636**	ug/L	32.233
⌊	Sr	88	774323.226	127.002	**76.464**	ug/L	14.086
⌈	Ag r	107	25.334	29.667	**0.001**	ug/L	111.146
|	Ag	109	16.667	23.334	**-0.000**	ug/L	269.193
|	Cd r	111	112.404	162.767	**-0.008**	ug/L	111.006
|	Cd	106	-1869.365	-2408.095	**-0.907**	ug/L	82.986
|	Cd	108	-1950.958	-2520.806	**-1.193**	ug/L	92.619
|	Cd	114	16.139	30.477	**-0.003**	ug/L	74.214
|	Cd u	111	3.333	14.000	**-0.007**	ug/L	23.001
|>	In	115	148823.633	201011.882		ug/L	
|	Sb r	123	59.746	36.661	**0.013**	ug/L	50.502
⌊	Sb	121	65.334	52.334	**0.008**	ug/L	66.979

⌈	Sn	118	106.668	131.336	**0.003**	ug/L	160.948
|	Sn r	120	150.670	184.004	**0.004**	ug/L	118.287
|	Ba r	137	103036.447	34.667	**65.016**	ug/L	12.543
|	Ba	135	59473.705	19.000	**65.256**	ug/L	13.191
|>	Tb	159	174622.547	237352.059		ug/L	
|	Tl r	205	238.006	234.006	**0.007**	ug/L	29.333
|	Tl	203	88.668	95.002	**0.005**	ug/L	57.636
|	U	238	13535.126	14.333	**0.893**	ug/L	13.260
⌊	Pb	208	1682.090	699.353	**0.092**	ug/L	20.927
⌈	Na	23	19922855.954	27097.287	**5.245**	mg/L	14.722
|	Mg	24	11504951.179	405.348	**4.297**	mg/L	14.121
|	K	39	3859865.376	467869.939	**0.526**	mg/L	14.872
|	Ca	44	3111038.263	11211.945	**19.319**	mg/L	14.907
|	Fe	54	20363.646	24278.329	**0.002**	mg/L	181.010
⌊>	Sc-1	45	259617.726	326012.180		ug/L	
	Kr	83	126.669	148.336		ug/L	
	Cl	35	25532702.309	27454688.427		mg/L	
	C	12	298295.856	345074.031		mg/L	
	Y	89	144797.886	189640.829		ug/L	
⌈	Br	79	1556.507	2019.619	**0.272**	ug/L	328.236
|	Br	81	11762.104	14687.828	**4.412**	ug/L	34.613
⌊>	Ge-1	72	73506.757	98142.756		ug/L	
	Ru	99	1.000	1.333		ug/L	
	Pd	105	1653.194	2129.316		ug/L	
	Ho	165	169941.652	233253.622		ug/L	
	Th	232	55.667	71.001	**-0.001**	ug/L	52.715
⌈	Mo	95	329.010	97.335	**0.157**	ug/L	22.344
|	Mo	97	209.005	68.668	**0.152**	ug/L	21.313
|	Mo r	98	542.247	155.226	**0.157**	ug/L	12.565
|	Rh	103	39.000	7.333		ug/L	
⌊>	In-1	115	148823.633	201011.882		ug/L	
	Ti	47	321.343	195.338		ug/L	
	Li	7	25718.192	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-36

Sample Description:

Autosampler Position: 59

Sample Date/Time: Tuesday, February 14, 2012 13:44:57

Dataset File: C:\Elandata\Dataset\EL120214\1202004-36.059

Optimization File: C:\Elandata\Optimize\epa.dac

Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth

Calibration File: C:\Elandata\System\EL120214.cal

Report Title: QUANTITATIVE ANALYSIS REPORT

analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
	Be r	9	0.000	1.333	-0.004	ug/L	
>	Li u	6	340626.878	373974.845		ug/L	
	Li	6	335193.615	372040.788		ug/L	
	Be	9	0.000	1.333	-0.004	ug/L	0.000
	B	11	12779.753	99.335	37.873	ug/L	7.051
	Al	27	2695.166	1258.449	0.480	ug/L	6.677
>	Sc	45	265930.549	326012.180		ug/L	
	V r	51	-1809.157	-1619.789	-0.084	ug/L	137.390
	V u	51	125364.191	100332.614	7.364	ug/L	12.732
	Cr r	52	10321.023	9993.255	0.441	ug/L	8.186
	Cr	53	43761.919	35155.627	27.745	ug/L	10.617
	Mn	55	530.357	408.348	0.025	ug/L	19.953
	Co	59	159.337	28.334	0.025	ug/L	7.489
	Ni r	60	804.384	67.668	0.673	ug/L	9.733
	Ni	62	94.668	89.335	0.137	ug/L	23.399
	Cu r	63	3178.358	190.004	1.356	ug/L	10.831
	Cu	65	1329.128	92.335	1.217	ug/L	4.191
	Zn r	66	6286.300	269.007	9.934	ug/L	5.670
	Zn	67	7612.509	1678.202	53.909	ug/L	4.348
	Zn	68	19006.338	340.011	41.625	ug/L	5.613
>	Ge	72	74737.770	98142.756		ug/L	
	As r	75	-9.222	-144.551	0.121	ug/L	319.699
	As u	75	9348.438	7238.477	5.060	ug/L	6.068
	Se r	82	90.919	-0.290	0.984	ug/L	8.856
	Se	77	3043.039	2359.603	20.158	ug/L	7.708
	Sr	88	12068774.756	127.002	1170.237	ug/L	7.025
	Ag r	107	24.667	29.667	0.000	ug/L	150.862
	Ag	109	16.334	23.334	-0.000	ug/L	104.344
	Cd r	111	107.229	162.767	-0.019	ug/L	33.230
	Cd	106	-2745.398	-2408.095	-8.280	ug/L	6.690
	Cd	108	-2797.875	-2520.806	-10.666	ug/L	8.280
	Cd	114	12.859	30.477	-0.004	ug/L	37.638
	Cd u	111	4.333	14.000	-0.006	ug/L	21.658
>	In	115	159153.643	201011.882		ug/L	
	Sb r	123	60.675	36.661	0.011	ug/L	8.352
	Sb	121	36.667	52.334	-0.001	ug/L	115.566

⌈	Sn	118	104.668	131.336	**0.002**	ug/L	210.734
|	Sn r	120	165.003	184.004	**0.006**	ug/L	52.928
|	Ba r	137	1883944.737	34.667	**1148.836**	ug/L	6.881
|	Ba	135	1128768.413	19.000	**1196.838**	ug/L	7.303
|>	Tb	159	180564.413	237352.059		ug/L	
|	Tl r	205	219.005	234.006	**0.004**	ug/L	11.706
|	Tl	203	81.668	95.002	**0.002**	ug/L	116.614
|	U	238	38.000	14.333	**0.002**	ug/L	28.114
⌊	Pb	208	379.008	699.353	**-0.012**	ug/L	12.005
⌈	Na	23	89845500.076	27097.287	**23.075**	mg/L	6.310
|	Mg	24	12560556.165	405.348	**4.573**	mg/L	6.171
|	K	39	6821942.385	467869.939	**0.946**	mg/L	5.991
|	Ca	44	2925657.145	11211.945	**17.706**	mg/L	7.250
|	Fe	54	20823.503	24278.329	**0.002**	mg/L	80.639
⌊>	Sc-1	45	265930.549	326012.180		ug/L	
	Kr	83	124.669	148.336		ug/L	
	Cl	35	26932171.717	27454688.427		mg/L	
	C	12	322414.197	345074.031		mg/L	
	Y	89	154876.039	189640.829		ug/L	
⌈	Br	79	33063.238	2019.619	**181.761**	ug/L	0.702
|	Br	81	44627.210	14687.828	**189.609**	ug/L	0.666
⌊>	Ge-1	72	74737.770	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	2383.393	2129.316		ug/L	
	Ho	165	176125.259	233253.622		ug/L	
	Th	232	54.001	71.001	**-0.001**	ug/L	52.941
⌈	Mo	95	122.336	97.335	**0.026**	ug/L	13.558
|	Mo	97	81.001	68.668	**0.024**	ug/L	33.944
|	Mo r	98	175.821	155.226	**0.018**	ug/L	14.995
|	Rh	103	347.678	7.333		ug/L	
⌊>	In-1	115	159153.643	201011.882		ug/L	
	Ti	47	354.345	195.338		ug/L	
	Li	7	66994.617	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3
Br 79 Upper, S, EEE	Br	79	
Br 81 Upper, S, EEE	Br	81	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-37

Sample Description:
Autosampler Position: 60
Sample Date/Time: Tuesday, February 14, 2012 13:50:13
Dataset File: C:\Elandata\Dataset\EL120214\1202004-37.060
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	98.067
|>	Li u	6	349568.011	373974.845		ug/L	
⌊	Li	6	347824.885	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.002	ug/L	129.918
|	B	11	180.004	99.335	0.289	ug/L	39.707
|	Al	27	2281.695	1258.449	0.353	ug/L	12.494
|>	Sc	45	269455.252	326012.180		ug/L	
|	V r	51	-1511.538	-1619.789	-0.028	ug/L	607.357
|	V u	51	129078.963	100332.614	7.700	ug/L	10.518
|	Cr r	52	11078.083	9993.255	0.565	ug/L	9.937
|	Cr	53	45136.876	35155.627	29.176	ug/L	11.277
|	Mn	55	425.016	408.348	0.011	ug/L	13.198
|	Co	59	18.667	28.334	-0.001	ug/L	200.755
|	Ni r	60	46.001	67.668	-0.009	ug/L	90.016
|	Ni	62	67.668	89.335	-0.039	ug/L	104.389
|	Cu r	63	165.003	190.004	0.004	ug/L	113.128
⌊	Cu	65	92.668	92.335	0.016	ug/L	22.146
⌈	Zn r	66	146.670	269.007	-0.103	ug/L	20.324
|	Zn	67	2638.146	1678.202	10.842	ug/L	6.546
|	Zn	68	339.344	340.011	0.154	ug/L	2.953
|>	Ge	72	77260.218	98142.756		ug/L	
|	As r	75	-254.226	-144.551	-0.167	ug/L	94.897
|	As u	75	9054.083	7238.477	4.283	ug/L	8.285
|	Se r	82	-3.525	-0.290	-0.035	ug/L	252.482
|	Se	77	2948.241	2359.603	17.072	ug/L	9.895
⌊	Sr	88	756.045	127.002	0.062	ug/L	13.682
⌈	Ag r	107	18.000	29.667	-0.001	ug/L	38.092
|	Ag	109	11.333	23.334	-0.002	ug/L	28.609
|	Cd r	111	125.632	162.767	-0.002	ug/L	385.114
|	Cd	106	-1950.133	-2408.095	-0.634	ug/L	65.710
|	Cd	108	-2040.985	-2520.806	-0.889	ug/L	66.934
|	Cd	114	9.740	30.477	-0.005	ug/L	19.165
|	Cd u	111	5.333	14.000	-0.005	ug/L	27.345
|>	In	115	157466.069	201011.882		ug/L	
|	Sb r	123	20.873	36.661	-0.003	ug/L	102.872
⌊	Sb	121	23.667	52.334	-0.005	ug/L	48.609

⌈	Sn	118	96.668	131.336	**-0.002**	ug/L	148.811
|	Sn r	120	142.669	184.004	**-0.000**	ug/L	272.746
|	Ba r	137	186.337	34.667	**0.094**	ug/L	7.515
|	Ba	135	115.669	19.000	**0.103**	ug/L	9.149
|>	Tb	159	186394.531	237352.059		ug/L	
|	Tl r	205	199.338	234.006	**0.002**	ug/L	51.465
|	Tl	203	89.001	95.002	**0.004**	ug/L	49.768
|	U	238	8.667	14.333	**-0.000**	ug/L	95.957
⌊	Pb	208	307.005	699.353	**-0.018**	ug/L	6.699
⌈	Na	23	64006.402	27097.287	**0.011**	mg/L	8.061
|	Mg	24	1768.888	405.348	**0.001**	mg/L	4.309
|	K	39	401166.795	467869.939	**0.002**	mg/L	35.235
|	Ca	44	8002.908	11211.945	**-0.008**	mg/L	0.736
|	Fe	54	21103.638	24278.329	**0.002**	mg/L	74.187
⌊>	Sc-1	45	269455.252	326012.180		ug/L	
	Kr	83	137.003	148.336		ug/L	
	Cl	35	26773115.465	27454688.427		mg/L	
	C	12	327032.411	345074.031		mg/L	
	Y	89	152953.273	189640.829		ug/L	
⌈	Br	79	3417.825	2019.619	**10.245**	ug/L	49.506
|	Br	81	14287.099	14687.828	**15.005**	ug/L	40.525
⌊>	Ge-1	72	77260.218	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1723.544	2129.316		ug/L	
	Ho	165	180047.495	233253.622		ug/L	
	Th	232	48.001	71.001	**-0.001**	ug/L	37.653
⌈	Mo	95	78.335	97.335	**0.001**	ug/L	376.928
|	Mo	97	56.001	68.668	**0.002**	ug/L	494.797
|	Mo r	98	133.411	155.226	**0.004**	ug/L	38.107
|	Rh	103	5.333	7.333		ug/L	
⌊>	In-1	115	157466.069	201011.882		ug/L	
	Ti	47	158.337	195.338		ug/L	
	Li	7	21493.536	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-38

Sample Description:
Autosampler Position: 61
Sample Date/Time: Tuesday, February 14, 2012 13:55:30
Dataset File: C:\Elandata\Dataset\EL120214\1202004-38.061
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.667	1.333	**0.001**	ug/L	482.514
|>	Li u	6	348269.142	373974.845		ug/L	
⌊	Li	6	343020.879	372040.788		ug/L	
⌈	Be	9	1.667	1.333	**0.002**	ug/L	381.564
|	B	11	12208.142	99.335	**34.637**	ug/L	5.102
|	Al	27	3120.331	1258.449	**0.565**	ug/L	5.153
|>	Sc	45	277518.145	326012.180		ug/L	
|	V r	51	-2169.641	-1619.789	**-0.128**	ug/L	140.461
|	V u	51	121446.282	100332.614	**5.841**	ug/L	12.445
|	Cr r	52	10446.194	9993.255	**0.378**	ug/L	17.780
|	Cr	53	42555.860	35155.627	**22.262**	ug/L	14.252
|	Mn	55	180737.460	408.348	**22.239**	ug/L	4.558
|	Co	59	156.003	28.334	**0.023**	ug/L	17.986
|	Ni r	60	712.374	67.668	**0.563**	ug/L	5.308
|	Ni	62	89.335	89.335	**0.080**	ug/L	26.042
|	Cu r	63	832.387	190.004	**0.288**	ug/L	4.583
⌊	Cu	65	272.008	92.335	**0.180**	ug/L	1.310
⌈	Zn r	66	307.343	269.007	**0.153**	ug/L	13.726
|	Zn	67	6482.462	1678.202	**42.756**	ug/L	3.369
|	Zn	68	14501.482	340.011	**30.730**	ug/L	5.464
|>	Ge	72	76874.032	98142.756		ug/L	
|	As r	75	75.549	-144.551	**0.225**	ug/L	14.814
|	As u	75	9078.113	7238.477	**4.372**	ug/L	9.639
|	Se r	82	49.083	-0.290	**0.518**	ug/L	4.215
|	Se	77	2965.197	2359.603	**17.581**	ug/L	15.392
⌊	Sr	88	11477039.830	127.002	**1081.809**	ug/L	5.339
⌈	Ag r	107	22.334	29.667	**-0.000**	ug/L	116.890
|	Ag	109	10.333	23.334	**-0.002**	ug/L	14.187
|	Cd r	111	118.864	162.767	**-0.012**	ug/L	74.740
|	Cd	106	-2807.442	-2408.095	**-8.085**	ug/L	5.747
|	Cd	108	-2870.044	-2520.806	**-10.515**	ug/L	4.266
|	Cd	114	6.975	30.477	**-0.007**	ug/L	23.879
|	Cd u	111	5.000	14.000	**-0.005**	ug/L	29.869
|>	In	115	163862.532	201011.882		ug/L	
|	Sb r	123	56.475	36.661	**0.009**	ug/L	51.482
⌊	Sb	121	26.667	52.334	**-0.004**	ug/L	17.196

⌈	Sn	118	100.335	131.336	**-0.001**	ug/L	151.755
|	Sn r	120	149.336	184.004	**0.001**	ug/L	461.580
|	Ba r	137	1807395.806	34.667	**1060.696**	ug/L	3.562
|	Ba	135	1076915.477	19.000	**1098.831**	ug/L	3.382
|>	Tb	159	187485.322	237352.059		ug/L	
|	Tl r	205	198.338	234.006	**0.001**	ug/L	61.590
|	Tl	203	63.334	95.002	**-0.003**	ug/L	105.197
|	U	238	27.667	14.333	**0.001**	ug/L	5.768
⌊	Pb	208	271.338	699.353	**-0.020**	ug/L	4.658
⌈	Na	23	86454008.887	27097.287	**21.269**	mg/L	4.799
|	Mg	24	12130960.180	405.348	**4.231**	mg/L	4.942
|	K	39	6621543.733	467869.939	**0.876**	mg/L	4.717
|	Ca	44	2822263.405	11211.945	**16.355**	mg/L	5.124
|	Fe	54	26149.796	24278.329	**0.011**	mg/L	16.221
⌊>	Sc-1	45	277518.145	326012.180		ug/L	
	Kr	83	144.003	148.336		ug/L	
	Cl	35	26012352.795	27454688.427		mg/L	
	C	12	320915.990	345074.031		mg/L	
	Y	89	159962.056	189640.829		ug/L	
⌈	Br	79	27974.728	2019.619	**147.935**	ug/L	0.552
|	Br	81	40022.928	14687.828	**157.204**	ug/L	0.895
⌊>	Ge-1	72	76874.032	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	2440.078	2129.316		ug/L	
	Ho	165	179380.909	233253.622		ug/L	
	Th	232	58.667	71.001	**-0.001**	ug/L	110.083
⌈	Mo	95	128.669	97.335	**0.027**	ug/L	10.390
|	Mo	97	80.668	68.668	**0.021**	ug/L	36.704
|	Mo r	98	175.489	155.226	**0.016**	ug/L	80.158
|	Rh	103	334.344	7.333		ug/L	
⌊>	In-1	115	163862.532	201011.882		ug/L	
	Ti	47	365.346	195.338		ug/L	
	Li	7	64713.485	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3
Br 79 Upper, S, EEE	Br	79	
Br 81 Upper, S, EEE	Br	81	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 14:00:43
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 2.062
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	15009.113	1.333	**49.510**	ug/L	1.061
|>	Li u	6	332090.791	373974.845		ug/L	
⌊	Li	6	330434.002	372040.788		ug/L	
⌈	Be	9	15009.113	1.333	**53.758**	ug/L	1.401
|	B	11	18526.812	99.335	**52.579**	ug/L	1.419
|	Al	27	189822.422	1258.449	**51.944**	ug/L	0.386
|>	Sc	45	277912.540	326012.180		ug/L	
|	V r	51	296988.132	-1619.789	**47.921**	ug/L	0.823
|	V u	51	391219.099	100332.614	**49.405**	ug/L	1.386
|	Cr r	52	256913.986	9993.255	**48.263**	ug/L	0.718
|	Cr	53	60366.549	35155.627	**53.436**	ug/L	3.950
|	Mn	55	395616.274	408.348	**48.642**	ug/L	1.218
|	Co	59	275915.879	28.334	**48.956**	ug/L	0.797
|	Ni r	60	56615.159	67.668	**48.597**	ug/L	0.636
|	Ni	62	8113.358	89.335	**48.558**	ug/L	1.874
|	Cu r	63	113085.342	190.004	**48.387**	ug/L	1.123
⌊	Cu	65	52277.566	92.335	**48.462**	ug/L	1.186
⌈	Zn r	66	32469.040	269.007	**51.761**	ug/L	0.672
|	Zn	67	8103.013	1678.202	**56.865**	ug/L	0.912
|	Zn	68	24032.057	340.011	**51.833**	ug/L	0.561
|>	Ge	72	76061.992	98142.756		ug/L	
|	As r	75	41981.457	-144.551	**50.557**	ug/L	0.908
|	As u	75	45106.651	7238.477	**51.162**	ug/L	1.166
|	Se r	82	4923.501	-0.290	**52.240**	ug/L	1.660
|	Se	77	5234.835	2359.603	**54.127**	ug/L	4.851
⌊	Sr	88	543222.484	127.002	**51.717**	ug/L	0.592
⌈	Ag r	107	219843.805	29.667	**49.713**	ug/L	0.400
|	Ag	109	208965.543	23.334	**50.151**	ug/L	0.396
|	Cd r	111	53989.193	162.767	**49.285**	ug/L	0.017
|	Cd	106	2992.345	-2408.095	**49.676**	ug/L	2.268
|	Cd	108	1696.350	-2520.806	**50.088**	ug/L	4.449
|	Cd	114	123432.936	30.477	**49.333**	ug/L	0.741
|	Cd u	111	54114.561	14.000	**49.322**	ug/L	0.270
|>	In	115	152222.697	201011.882		ug/L	
|	Sb r	123	130530.483	36.661	**48.705**	ug/L	0.233
⌊	Sb	121	172620.849	52.334	**48.693**	ug/L	0.635

⌈	Sn	118	160261.892	131.336	**50.398**	ug/L	1.097
|	Sn r	120	216753.174	184.004	**49.813**	ug/L	0.862
|	Ba r	137	81523.279	34.667	**50.411**	ug/L	1.306
|	Ba	135	46790.362	19.000	**50.308**	ug/L	1.393
|>	Tb	159	177836.474	237352.059		ug/L	
|	Tl r	205	478706.785	234.006	**50.729**	ug/L	2.177
|	Tl	203	193236.429	95.002	**50.169**	ug/L	2.574
|	U	238	759891.566	14.333	**49.165**	ug/L	0.904
⌊	Pb	208	657401.390	699.353	**50.486**	ug/L	1.400
⌈	Na	23	23154077.474	27097.287	**5.681**	mg/L	0.500
|	Mg	24	16236091.494	405.348	**5.651**	mg/L	0.229
|	K	39	39311464.003	467869.939	**5.467**	mg/L	0.787
|	Ca	44	863714.163	11211.945	**4.957**	mg/L	0.308
|	Fe	54	1945558.620	24278.329	**3.869**	mg/L	0.697
⌊>	Sc-1	45	277912.540	326012.180		ug/L	
	Kr	83	139.669	148.336		ug/L	
	Cl	35	26808536.503	27454688.427		mg/L	
	C	12	314842.852	345074.031		mg/L	
	Y	89	150382.587	189640.829		ug/L	
⌈	Br	79	12807.135	2019.619	**63.718**	ug/L	7.493
|	Br	81	23565.279	14687.828	**67.890**	ug/L	4.475
⌊>	Ge-1	72	76061.992	98142.756		ug/L	
	Ru	99	14.667	1.333		ug/L	
	Pd	105	1757.552	2129.316		ug/L	
	Ho	165	171913.299	233253.622		ug/L	
	Th	232	720599.913	71.001	**43.067**	ug/L	1.174
⌈	Mo	95	85114.505	97.335	**50.537**	ug/L	0.794
|	Mo	97	53726.854	68.668	**50.152**	ug/L	0.210
|	Mo r	98	139196.979	155.226	**49.885**	ug/L	0.587
|	Rh	103	40.667	7.333		ug/L	
⌊>	In-1	115	152222.697	201011.882		ug/L	
	Ti	47	198.005	195.338		ug/L	
	Li	7	20428.966	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 2	Zn	67	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Na	23	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Mg	24	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Fe	54	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Br	79	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Br	81	CCV (CLC) is out of limits (+/- 10%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 4

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 14:05:56
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 4.063
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.000	1.333	-0.004	ug/L	
|>	Li u	6	337480.205	373974.845		ug/L	
⌊	Li	6	335801.460	372040.788		ug/L	
⌈	Be	9	0.000	1.333	-0.004	ug/L	0.000
|	B	11	212.338	99.335	0.372	ug/L	41.802
|	Al	27	1065.418	1258.449	0.001	ug/L	1911.969
|>	Sc	45	274992.800	326012.180		ug/L	
|	V r	51	147.292	-1619.789	0.247	ug/L	51.504
|	V u	51	89078.721	100332.614	0.722	ug/L	63.021
|	Cr r	52	7636.202	9993.255	-0.156	ug/L	21.927
|	Cr	53	30725.285	35155.627	1.888	ug/L	78.106
|	Mn	55	362.346	408.348	0.002	ug/L	139.345
|	Co	59	45.001	28.334	0.004	ug/L	27.494
|	Ni r	60	60.668	67.668	0.003	ug/L	340.645
|	Ni	62	80.335	89.335	0.030	ug/L	258.018
|	Cu r	63	131.669	190.004	-0.012	ug/L	53.373
⌊	Cu	65	67.668	92.335	-0.010	ug/L	91.990
⌈	Zn r	66	124.336	269.007	-0.139	ug/L	9.471
|	Zn	67	2449.749	1678.202	9.174	ug/L	13.486
|	Zn	68	307.676	340.011	0.082	ug/L	22.795
|>	Ge	72	77654.822	98142.756		ug/L	
|	As r	75	-137.898	-144.551	-0.026	ug/L	689.419
|	As u	75	4881.265	7238.477	-1.075	ug/L	12.882
|	Se r	82	-10.258	-0.290	-0.104	ug/L	30.687
|	Se	77	1573.407	2359.603	-4.578	ug/L	21.724
⌊	Sr	88	265.674	127.002	0.015	ug/L	10.231
⌈	Ag r	107	44.334	29.667	0.004	ug/L	46.621
|	Ag	109	45.667	23.334	0.006	ug/L	55.130
|	Cd r	111	139.849	162.767	0.009	ug/L	101.691
|	Cd	106	-2070.979	-2408.095	-1.487	ug/L	22.680
|	Cd	108	-2169.904	-2520.806	-2.122	ug/L	23.843
|	Cd	114	15.838	30.477	-0.003	ug/L	74.651
|	Cd u	111	10.333	14.000	-0.001	ug/L	646.342
|>	In	115	160225.834	201011.882		ug/L	
|	Sb r	123	28.540	36.661	-0.000	ug/L	875.138
⌊	Sb	121	42.001	52.334	0.000	ug/L	2171.352

⌈	Sn	118	180.004	131.336	**0.023**	ug/L	57.895
|	Sn r	120	227.006	184.004	**0.018**	ug/L	25.715
|	Ba r	137	64.668	34.667	**0.022**	ug/L	14.217
|	Ba	135	39.334	19.000	**0.025**	ug/L	16.468
|>	Tb	159	187246.934	237352.059		ug/L	
|	Tl r	205	1503.509	234.006	**0.133**	ug/L	44.328
|	Tl	203	625.034	95.002	**0.136**	ug/L	46.835
|	U	238	102.002	14.333	**0.006**	ug/L	9.835
⌊	Pb	208	364.674	699.353	**-0.014**	ug/L	18.947
⌈	Na	23	26309.514	27097.287	**0.001**	mg/L	14.395
|	Mg	24	1467.822	405.348	**0.000**	mg/L	4.815
|	K	39	401248.060	467869.939	**0.001**	mg/L	68.078
|	Ca	44	7466.698	11211.945	**-0.012**	mg/L	3.644
|	Fe	54	20002.869	24278.329	**-0.001**	mg/L	29.234
⌊>	Sc-1	45	274992.800	326012.180		ug/L	
	Kr	83	144.669	148.336		ug/L	
	Cl	35	26174567.611	27454688.427		mg/L	
	C	12	298840.162	345074.031		mg/L	
	Y	89	153727.981	189640.829		ug/L	
⌈	Br	79	2858.226	2019.619	**6.997**	ug/L	8.190
|	Br	81	13827.224	14687.828	**12.033**	ug/L	4.697
⌊>	Ge-1	72	77654.822	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	1832.903	2129.316		ug/L	
	Ho	165	182441.778	233253.622		ug/L	
	Th	232	587.695	71.001	**0.031**	ug/L	19.300
⌈	Mo	95	133.336	97.335	**0.032**	ug/L	58.620
|	Mo	97	81.001	68.668	**0.023**	ug/L	43.126
|	Mo r	98	217.895	155.226	**0.032**	ug/L	47.202
|	Rh	103	5.667	7.333		ug/L	
⌊>	In-1	115	160225.834	201011.882		ug/L	
	Ti	47	147.003	195.338		ug/L	
	Li	7	20699.688	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 4	V u	51	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cr	53	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Zn	67	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	As u	75	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	106	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	108	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	79	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	81	IBL (LCB) is out of limits (+/- 0.400ug/L)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-39

Sample Description:
Autosampler Position: 62
Sample Date/Time: Tuesday, February 14, 2012 14:11:13
Dataset File: C:\Elandata\Dataset\EL120214\1202004-39.064
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
Γ	Be r	9	2.667	1.333	0.005	ug/L	76.901
|>	Li u	6	335827.009	373974.845		ug/L	
L	Li	6	330436.965	372040.788		ug/L	
Γ	Be	9	2.667	1.333	0.006	ug/L	72.820
|	B	11	13096.965	99.335	37.940	ug/L	7.319
|	Al	27	2910.914	1258.449	0.524	ug/L	9.275
|>	Sc	45	271959.725	326012.180		ug/L	
|	V r	51	-108.903	-1619.789	0.204	ug/L	117.259
|	V u	51	97015.941	100332.614	2.200	ug/L	5.498
|	Cr r	52	8277.540	9993.255	-0.012	ug/L	427.793
|	Cr	53	33499.120	35155.627	7.501	ug/L	13.932
|	Mn	55	197506.999	408.348	24.813	ug/L	9.384
|	Co	59	177.671	28.334	0.028	ug/L	15.227
|	Ni r	60	755.045	67.668	0.614	ug/L	16.247
|	Ni	62	78.668	89.335	0.026	ug/L	82.534
|	Cu r	63	918.064	190.004	0.333	ug/L	7.516
L	Cu	65	311.009	92.335	0.222	ug/L	17.605
Γ	Zn r	66	325.010	269.007	0.197	ug/L	20.396
|	Zn	67	7029.957	1678.202	49.069	ug/L	9.842
|	Zn	68	15800.773	340.011	34.585	ug/L	10.263
|>	Ge	72	74638.204	98142.756		ug/L	
|	As r	75	4.845	-144.551	0.142	ug/L	104.088
|	As u	75	6230.251	7238.477	0.960	ug/L	18.042
|	Se r	82	57.408	-0.290	0.622	ug/L	56.978
|	Se	77	1989.846	2359.603	3.165	ug/L	16.008
L	Sr	88	12619685.171	127.002	1226.102	ug/L	10.371
Γ	Ag r	107	32.000	29.667	0.002	ug/L	25.236
|	Ag	109	22.334	23.334	0.001	ug/L	153.063
|	Cd r	111	121.852	162.767	-0.008	ug/L	44.804
|	Cd	106	-2927.432	-2408.095	-9.574	ug/L	9.120
|	Cd	108	-2987.764	-2520.806	-12.498	ug/L	9.025
|	Cd	114	10.873	30.477	-0.005	ug/L	2.265
|	Cd u	111	7.333	14.000	-0.003	ug/L	80.205
|>	In	115	161981.763	201011.882		ug/L	
|	Sb r	123	67.505	36.661	0.013	ug/L	15.221
L	Sb	121	32.000	52.334	-0.003	ug/L	60.276

⌈	Sn	118	129.002	131.336	**0.009**	ug/L	78.900
|	Sn r	120	168.337	184.004	**0.006**	ug/L	104.956
|	Ba r	137	2463998.869	34.667	**1505.232**	ug/L	43.838
|	Ba	135	1160346.487	19.000	**1227.274**	ug/L	9.502
|>	Tb	159	181085.210	237352.059		ug/L	
|	Tl r	205	468.686	234.006	**0.030**	ug/L	21.900
|	Tl	203	190.671	95.002	**0.030**	ug/L	5.734
|	U	238	48.334	14.333	**0.002**	ug/L	15.504
⌊	Pb	208	320.672	699.353	**-0.016**	ug/L	7.798
⌈	Na	23	94491458.199	27097.287	**23.727**	mg/L	8.541
|	Mg	24	13264357.306	405.348	**4.722**	mg/L	8.747
|	K	39	7225371.287	467869.939	**0.982**	mg/L	8.623
|	Ca	44	3082316.695	11211.945	**18.239**	mg/L	9.157
|	Fe	54	26647.880	24278.329	**0.013**	mg/L	19.486
⌊>	Sc-1	45	271959.725	326012.180		ug/L	
	Kr	83	145.003	148.336		ug/L	
	Cl	35	27783404.682	27454688.427		mg/L	
	C	12	305586.755	345074.031		mg/L	
	Y	89	157146.215	189640.829		ug/L	
⌈	Br	79	27773.001	2019.619	**151.512**	ug/L	2.823
|	Br	81	39562.564	14687.828	**161.229**	ug/L	2.773
⌊>	Ge-1	72	74638.204	98142.756		ug/L	
	Ru	99	1.333	1.333		ug/L	
	Pd	105	2541.112	2129.316		ug/L	
	Ho	165	173476.353	233253.622		ug/L	
	Th	232	225.006	71.001	**0.009**	ug/L	13.418
⌈	Mo	95	147.003	97.335	**0.038**	ug/L	16.902
|	Mo	97	89.668	68.668	**0.030**	ug/L	31.371
|	Mo r	98	211.526	155.226	**0.029**	ug/L	12.752
|	Rh	103	381.680	7.333		ug/L	
⌊>	In-1	115	161981.763	201011.882		ug/L	
	Ti	47	362.012	195.338		ug/L	
	Li	7	66461.707	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ba r 137 Upper, S, EEE	Ba r	137	Sample greater than CLM3
Na 23 Upper, S, EEE	Na	23	Sample greater than CLM3
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3
Br 79 Upper, S, EEE	Br	79	
Br 81 Upper, S, EEE	Br	81	

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-40

Sample Description:
Autosampler Position: 63
Sample Date/Time: Tuesday, February 14, 2012 14:16:31
Dataset File: C:\Elandata\Dataset\EL120214\1202004-40.065
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.333	1.333	0.000	ug/L	1061.478
|>	Li u	6	339982.436	373974.845		ug/L	
⌊	Li	6	338096.347	372040.788		ug/L	
⌈	Be	9	1.333	1.333	0.001	ug/L	544.275
|	B	11	1250.781	99.335	3.415	ug/L	3.303
|	Al	27	2242.683	1258.449	0.338	ug/L	7.049
|>	Sc	45	271143.935	326012.180		ug/L	
|	V r	51	-1223.318	-1619.789	0.020	ug/L	249.898
|	V u	51	111482.685	100332.614	4.639	ug/L	8.407
|	Cr r	52	9834.389	9993.255	0.303	ug/L	16.179
|	Cr	53	38879.147	35155.627	17.348	ug/L	6.987
|	Mn	55	540.024	408.348	0.025	ug/L	14.118
|	Co	59	102.002	28.334	0.014	ug/L	15.937
|	Ni r	60	468.352	67.668	0.363	ug/L	5.757
|	Ni	62	71.668	89.335	-0.018	ug/L	611.896
|	Cu r	63	1343.464	190.004	0.521	ug/L	5.498
⌊	Cu	65	618.031	92.335	0.515	ug/L	5.506
⌈	Zn r	66	1000.075	269.007	1.284	ug/L	5.391
|	Zn	67	2624.808	1678.202	11.254	ug/L	5.488
|	Zn	68	1065.418	340.011	1.770	ug/L	8.626
|>	Ge	72	75415.721	98142.756		ug/L	
|	As r	75	-88.230	-144.551	0.030	ug/L	1212.181
|	As u	75	7854.425	7238.477	2.991	ug/L	9.165
|	Se r	82	3.797	-0.290	0.041	ug/L	465.337
|	Se	77	2531.072	2359.603	11.473	ug/L	21.842
⌊	Sr	88	180945.470	127.002	17.378	ug/L	4.873
⌈	Ag r	107	29.667	29.667	0.002	ug/L	157.078
|	Ag	109	12.667	23.334	-0.001	ug/L	17.714
|	Cd r	111	120.679	162.767	-0.003	ug/L	167.524
|	Cd	106	-1832.271	-2408.095	0.051	ug/L	1248.657
|	Cd	108	-1922.648	-2520.806	0.009	ug/L	9813.383
|	Cd	114	10.579	30.477	-0.005	ug/L	45.309
|	Cd u	111	4.000	14.000	-0.006	ug/L	28.613
|>	In	115	153430.538	201011.882		ug/L	
|	Sb r	123	33.576	36.661	0.002	ug/L	101.079
⌊	Sb	121	36.334	52.334	-0.001	ug/L	22.381

⌈	Sn	118	102.668	131.336	**0.001**	ug/L	521.356
|	Sn r	120	151.003	184.004	**0.003**	ug/L	62.401
|	Ba r	137	12352.375	34.667	**7.572**	ug/L	5.099
|	Ba	135	7031.952	19.000	**7.495**	ug/L	4.676
|>	Tb	159	179165.595	237352.059		ug/L	
|	Tl r	205	318.676	234.006	**0.015**	ug/L	1.733
|	Tl	203	113.335	95.002	**0.011**	ug/L	21.098
|	U	238	1586.513	14.333	**0.101**	ug/L	4.416
⌊	Pb	208	1270.720	699.353	**0.057**	ug/L	9.963
⌈	Na	23	9539534.234	27097.287	**2.397**	mg/L	4.063
|	Mg	24	6432449.625	405.348	**2.296**	mg/L	3.766
|	K	39	1895024.229	467869.939	**0.217**	mg/L	4.316
|	Ca	44	1416332.306	11211.945	**8.373**	mg/L	3.831
|	Fe	54	20740.633	24278.329	**0.001**	mg/L	72.465
⌊>	Sc-1	45	271143.935	326012.180		ug/L	
	Kr	83	138.336	148.336		ug/L	
	Cl	35	26804701.104	27454688.427		mg/L	
	C	12	323409.941	345074.031		mg/L	
	Y	89	148407.783	189640.829		ug/L	
⌈	Br	79	3449.157	2019.619	**10.888**	ug/L	35.820
|	Br	81	13977.168	14687.828	**15.166**	ug/L	25.743
⌊>	Ge-1	72	75415.721	98142.756		ug/L	
	Ru	99	0.667	1.333		ug/L	
	Pd	105	1624.521	2129.316		ug/L	
	Ho	165	174479.025	233253.622		ug/L	
	Th	232	147.336	71.001	**0.005**	ug/L	18.954
⌈	Mo	95	164.670	97.335	**0.053**	ug/L	7.000
|	Mo	97	98.002	68.668	**0.042**	ug/L	28.045
|	Mo r	98	264.786	155.226	**0.052**	ug/L	8.272
|	Rh	103	11.000	7.333		ug/L	
⌊>	In-1	115	153430.538	201011.882		ug/L	
	Ti	47	372.013	195.338		ug/L	
	Li	7	23256.336	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: BB21302-MS3

Sample Description:
Autosampler Position: 64
Sample Date/Time: Tuesday, February 14, 2012 14:21:49
Dataset File: C:\Elandata\Dataset\EL120214\BB21302-MS3.066
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	602.030	1.333	**1.944**	ug/L	11.474
|>	Li u	6	339155.474	373974.845		ug/L	
⌊	Li	6	335614.097	372040.788		ug/L	
⌈	Be	9	602.030	1.333	**2.181**	ug/L	11.421
|	B	11	8553.520	99.335	**24.467**	ug/L	9.493
|	Al	27	290398.043	1258.449	**80.682**	ug/L	10.259
|>	Sc	45	274728.133	326012.180		ug/L	
|	V r	51	116461.533	-1619.789	**19.172**	ug/L	9.820
|	V u	51	228521.377	100332.614	**23.589**	ug/L	14.174
|	Cr r	52	109012.787	9993.255	**19.805**	ug/L	10.677
|	Cr	53	49808.605	35155.627	**35.997**	ug/L	20.678
|	Mn	55	171138.622	408.348	**21.294**	ug/L	10.170
|	Co	59	110798.389	28.334	**19.919**	ug/L	11.021
|	Ni r	60	22645.312	67.668	**19.667**	ug/L	10.453
|	Ni	62	3294.742	89.335	**19.707**	ug/L	10.929
|	Cu r	63	46777.599	190.004	**20.242**	ug/L	11.070
⌊	Cu	65	21493.348	92.335	**20.147**	ug/L	11.201
⌈	Zn r	66	13884.369	269.007	**21.747**	ug/L	9.457
|	Zn	67	5307.888	1678.202	**33.101**	ug/L	10.303
|	Zn	68	11169.901	340.011	**23.567**	ug/L	8.056
|>	Ge	72	76822.232	98142.756		ug/L	
|	As r	75	16714.478	-144.551	**20.037**	ug/L	10.716
|	As u	75	23661.396	7238.477	**23.115**	ug/L	13.128
|	Se r	82	1950.812	-0.290	**20.520**	ug/L	9.772
|	Se	77	3928.738	2359.603	**32.802**	ug/L	14.103
⌊	Sr	88	391603.534	127.002	**36.959**	ug/L	10.368
⌈	Ag r	107	8980.676	29.667	**1.975**	ug/L	8.564
|	Ag	109	8525.491	23.334	**1.991**	ug/L	9.846
|	Cd r	111	2258.516	162.767	**1.902**	ug/L	9.842
|	Cd	106	-1777.631	-2408.095	**0.967**	ug/L	74.021
|	Cd	108	-1830.992	-2520.806	**1.758**	ug/L	27.022
|	Cd	114	5065.278	30.477	**1.965**	ug/L	10.261
|	Cd u	111	2236.015	14.000	**1.978**	ug/L	8.024
|>	In	115	156334.142	201011.882		ug/L	
|	Sb r	123	53764.781	36.661	**19.557**	ug/L	9.757
⌊	Sb	121	70573.708	52.334	**19.408**	ug/L	10.463

⌈	Sn	118	63313.248	131.336	**19.444**	ug/L	11.212
|	Sn r	120	86286.880	184.004	**19.366**	ug/L	11.214
|	Ba r	137	145316.879	34.667	**87.844**	ug/L	10.355
|	Ba	135	83416.764	19.000	**87.692**	ug/L	11.463
|>	Tb	159	182314.257	237352.059		ug/L	
|	Tl r	205	183777.261	234.006	**19.023**	ug/L	9.938
|	Tl	203	74655.621	95.002	**18.936**	ug/L	10.639
|	U	238	306145.857	14.333	**19.359**	ug/L	10.370
⌊	Pb	208	260807.841	699.353	**19.549**	ug/L	9.871
⌈	Na	23	10846398.459	27097.287	**2.694**	mg/L	10.484
|	Mg	24	7409977.773	405.348	**2.614**	mg/L	10.578
|	K	39	8480551.625	467869.939	**1.151**	mg/L	11.007
|	Ca	44	1459900.503	11211.945	**8.529**	mg/L	10.634
|	Fe	54	150768.331	24278.329	**0.265**	mg/L	11.323
⌊>	Sc-1	45	274728.133	326012.180		ug/L	
	Kr	83	133.002	148.336		ug/L	
	Cl	35	25937675.320	27454688.427		mg/L	
	C	12	316595.059	345074.031		mg/L	
	Y	89	150976.988	189640.829		ug/L	
⌈	Br	79	3655.572	2019.619	**11.650**	ug/L	9.134
|	Br	81	14304.431	14687.828	**15.507**	ug/L	10.362
⌊>	Ge-1	72	76822.232	98142.756		ug/L	
	Ru	99	5.000	1.333		ug/L	
	Pd	105	1736.213	2129.316		ug/L	
	Ho	165	175200.772	233253.622		ug/L	
	Th	232	236.339	71.001	**0.010**	ug/L	5.967
⌈	Mo	95	33821.559	97.335	**19.559**	ug/L	11.018
|	Mo	97	21491.997	68.668	**19.537**	ug/L	10.607
|	Mo r	98	55970.636	155.226	**19.535**	ug/L	10.014
|	Rh	103	25.000	7.333		ug/L	
⌊>	In-1	115	156334.142	201011.882		ug/L	
	Ti	47	8579.895	195.338		ug/L	
	Li	7	43666.791	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-41

Sample Description:
Autosampler Position: 65
Sample Date/Time: Tuesday, February 14, 2012 14:27:08
Dataset File: C:\Elandata\Dataset\EL120214\1202004-41.067
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	112.743
|>	Li u	6	332613.808	373974.845		ug/L	
L	Li	6	330543.715	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.002	ug/L	146.176
|	B	11	2466.754	99.335	7.227	ug/L	2.957
|	Al	27	2729.846	1258.449	0.503	ug/L	9.346
|>	Sc	45	261745.091	326012.180		ug/L	
|	V r	51	-1272.666	-1619.789	0.003	ug/L	7354.767
|	V u	51	106736.891	100332.614	4.494	ug/L	3.579
|	Cr r	52	9356.781	9993.255	0.276	ug/L	14.189
|	Cr	53	37227.244	35155.627	16.805	ug/L	5.430
|	Mn	55	2537.444	408.348	0.289	ug/L	6.657
|	Co	59	165.670	28.334	0.027	ug/L	1.659
|	Ni r	60	749.377	67.668	0.634	ug/L	3.716
|	Ni	62	71.334	89.335	-0.002	ug/L	2520.900
|	Cu r	63	2015.284	190.004	0.848	ug/L	5.781
L	Cu	65	916.064	92.335	0.830	ug/L	4.695
⌈	Zn r	66	478.353	269.007	0.462	ug/L	9.268
|	Zn	67	2628.142	1678.202	11.922	ug/L	4.332
|	Zn	68	1374.803	340.011	2.537	ug/L	7.267
|>	Ge	72	73318.881	98142.756		ug/L	
|	As r	75	-34.748	-144.551	0.089	ug/L	268.631
|	As u	75	7791.689	7238.477	3.205	ug/L	4.425
|	Se r	82	1.209	-0.290	0.017	ug/L	881.670
|	Se	77	2409.096	2359.603	10.664	ug/L	13.554
L	Sr	88	769134.796	127.002	76.008	ug/L	5.433
⌈	Ag r	107	24.000	29.667	0.000	ug/L	65.678
|	Ag	109	15.667	23.334	-0.000	ug/L	340.729
|	Cd r	111	121.885	162.767	0.001	ug/L	509.326
|	Cd	106	-1904.573	-2408.095	-1.144	ug/L	56.232
|	Cd	108	-1992.304	-2520.806	-1.594	ug/L	46.972
|	Cd	114	5.249	30.477	-0.007	ug/L	6.575
|	Cd u	111	5.667	14.000	-0.004	ug/L	51.645
|>	In	115	149829.108	201011.882		ug/L	
|	Sb r	123	65.704	36.661	0.015	ug/L	14.083
L	Sb	121	73.668	52.334	0.010	ug/L	28.460

⌈	Sn	118	164.670	131.336	**0.021**	ug/L	15.601
|	Sn r	120	211.338	184.004	**0.017**	ug/L	40.134
|	Ba r	137	103150.213	34.667	**63.901**	ug/L	5.175
|	Ba	135	59687.519	19.000	**64.289**	ug/L	4.866
|>	Tb	159	177571.685	237352.059		ug/L	
|	Tl r	205	826.722	234.006	**0.069**	ug/L	40.361
|	Tl	203	342.345	95.002	**0.071**	ug/L	33.870
|	U	238	13664.946	14.333	**0.885**	ug/L	5.300
⌊	Pb	208	2394.836	699.353	**0.144**	ug/L	5.713
⌈	Na	23	19976413.512	27097.287	**5.207**	mg/L	5.709
|	Mg	24	11522737.558	405.348	**4.262**	mg/L	5.862
|	K	39	3883128.549	467869.939	**0.524**	mg/L	5.167
|	Ca	44	3137309.706	11211.945	**19.288**	mg/L	5.627
|	Fe	54	20301.563	24278.329	**0.002**	mg/L	91.682
⌊>	Sc-1	45	261745.091	326012.180		ug/L	
	Kr	83	129.336	148.336		ug/L	
	Cl	35	25545336.565	27454688.427		mg/L	
	C	12	306768.920	345074.031		mg/L	
	Y	89	144704.587	189640.829		ug/L	
⌈	Br	79	2044.292	2019.619	**3.154**	ug/L	20.302
|	Br	81	12429.828	14687.828	**8.421**	ug/L	6.910
⌊>	Ge-1	72	73318.881	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1683.868	2129.316		ug/L	
	Ho	165	170479.302	233253.622		ug/L	
	Th	232	78.335	71.001	**0.000**	ug/L	144.528
⌈	Mo	95	351.345	97.335	**0.168**	ug/L	4.146
|	Mo	97	214.338	68.668	**0.155**	ug/L	5.640
|	Mo r	98	566.286	155.226	**0.164**	ug/L	1.486
|	Rh	103	29.000	7.333		ug/L	
⌊>	In-1	115	149829.108	201011.882		ug/L	
	Ti	47	324.343	195.338		ug/L	
	Li	7	25525.203	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass		Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-42

Sample Description:
Autosampler Position: 66
Sample Date/Time: Tuesday, February 14, 2012 14:32:28
Dataset File: C:\Elandata\Dataset\EL120214\1202004-42.068
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.000	1.333	-0.004	ug/L	
|>	Li u	6	336567.425	373974.845		ug/L	
⌊	Li	6	334696.629	372040.788		ug/L	
⌈	Be	9	0.000	1.333	-0.004	ug/L	0.000
|	B	11	852.056	99.335	2.326	ug/L	9.792
|	Al	27	2129.983	1258.449	0.324	ug/L	13.159
|>	Sc	45	263187.269	326012.180		ug/L	
|	V r	51	-1795.836	-1619.789	-0.083	ug/L	109.395
|	V u	51	114408.143	100332.614	5.715	ug/L	17.203
|	Cr r	52	10208.205	9993.255	0.440	ug/L	13.279
|	Cr	53	39815.888	35155.627	21.263	ug/L	15.844
|	Mn	55	2113.979	408.348	0.232	ug/L	7.874
|	Co	59	104.002	28.334	0.015	ug/L	20.185
|	Ni r	60	548.025	67.668	0.448	ug/L	4.642
|	Ni	62	78.335	89.335	0.039	ug/L	139.299
|	Cu r	63	4244.549	190.004	1.853	ug/L	7.929
⌊	Cu	65	1973.940	92.335	1.864	ug/L	8.344
⌈	Zn r	66	844.388	269.007	1.039	ug/L	4.105
|	Zn	67	2766.525	1678.202	12.573	ug/L	3.845
|	Zn	68	1562.174	340.011	2.880	ug/L	6.402
|>	Ge	72	75039.043	98142.756		ug/L	
|	As r	75	164.856	-144.551	0.334	ug/L	38.639
|	As u	75	8529.485	7238.477	3.939	ug/L	17.542
|	Se r	82	11.606	-0.290	0.128	ug/L	145.850
|	Se	77	2668.911	2359.603	13.964	ug/L	24.666
⌊	Sr	88	274044.006	127.002	26.463	ug/L	8.603
⌈	Ag r	107	15.000	29.667	-0.002	ug/L	45.190
|	Ag	109	12.667	23.334	-0.001	ug/L	139.164
|	Cd r	111	113.301	162.767	-0.009	ug/L	48.827
|	Cd	106	-1849.588	-2408.095	-0.335	ug/L	194.615
|	Cd	108	-1932.895	-2520.806	-0.427	ug/L	214.046
|	Cd	114	10.904	30.477	-0.005	ug/L	15.360
|	Cd u	111	2.333	14.000	-0.008	ug/L	18.153
|>	In	115	151614.151	201011.882		ug/L	
|	Sb r	123	82.414	36.661	0.021	ug/L	37.860
⌊	Sb	121	108.669	52.334	0.020	ug/L	15.153

⌈	Sn	118	103.002	131.336	**0.001**	ug/L	90.419
|	Sn r	120	153.336	184.004	**0.003**	ug/L	34.623
|	Ba r	137	94243.749	34.667	**58.112**	ug/L	8.032
|	Ba	135	54671.122	19.000	**58.615**	ug/L	8.501
|>	Tb	159	178473.694	237352.059		ug/L	
|	Tl r	205	368.679	234.006	**0.020**	ug/L	10.062
|	Tl	203	148.670	95.002	**0.020**	ug/L	13.318
|	U	238	4479.018	14.333	**0.288**	ug/L	7.602
⌊	Pb	208	573.014	699.353	**0.004**	ug/L	91.890
⌈	Na	23	4652659.725	27097.287	**1.202**	mg/L	8.330
|	Mg	24	3477490.770	405.348	**1.280**	mg/L	8.088
|	K	39	2973883.099	467869.939	**0.386**	mg/L	8.217
|	Ca	44	1511732.970	11211.945	**9.218**	mg/L	8.059
|	Fe	54	19612.454	24278.329	**0.000**	mg/L	3784.159
⌊>	Sc-1	45	263187.269	326012.180		ug/L	
	Kr	83	122.002	148.336		ug/L	
	Cl	35	24833531.634	27454688.427		mg/L	
	C	12	317342.697	345074.031		mg/L	
	Y	89	146002.269	189640.829		ug/L	
⌈	Br	79	1683.535	2019.619	**0.804**	ug/L	71.423
|	Br	81	12071.585	14687.828	**4.768**	ug/L	32.267
⌊>	Ge-1	72	75039.043	98142.756		ug/L	
	Ru	99	0.333	1.333		ug/L	
	Pd	105	1634.857	2129.316		ug/L	
	Ho	165	172843.781	233253.622		ug/L	
	Th	232	70.334	71.001	**-0.000**	ug/L	1725.550
⌈	Mo	95	355.345	97.335	**0.168**	ug/L	7.697
|	Mo	97	219.339	68.668	**0.157**	ug/L	11.183
|	Mo r	98	574.990	155.226	**0.165**	ug/L	7.690
|	Rh	103	14.000	7.333		ug/L	
⌊>	In-1	115	151614.151	201011.882		ug/L	
	Ti	47	320.010	195.338		ug/L	
	Li	7	23067.771	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-43

Sample Description:
Autosampler Position: 67
Sample Date/Time: Tuesday, February 14, 2012 14:37:48
Dataset File: C:\Elandata\Dataset\EL120214\1202004-43.069
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	0.667	1.333	-0.002	ug/L	110.996
|>	Li u	6	333603.570	373974.845		ug/L	
⌊	Li	6	331584.575	372040.788		ug/L	
⌈	Be	9	0.667	1.333	-0.001	ug/L	149.286
|	B	11	2391.062	99.335	7.102	ug/L	0.601
|	Al	27	2316.372	1258.449	0.391	ug/L	4.493
|>	Sc	45	258011.128	326012.180		ug/L	
|	V r	51	-507.374	-1619.789	0.135	ug/L	146.451
|	V u	51	114142.173	100332.614	6.047	ug/L	1.822
|	Cr r	52	9767.629	9993.255	0.389	ug/L	5.857
|	Cr	53	39602.422	35155.627	22.296	ug/L	0.772
|	Mn	55	6486.132	408.348	0.817	ug/L	0.935
|	Co	59	188.338	28.334	0.032	ug/L	13.157
|	Ni r	60	844.722	67.668	0.733	ug/L	9.073
|	Ni	62	71.334	89.335	0.004	ug/L	927.493
|	Cu r	63	58787.060	190.004	27.066	ug/L	2.504
⌊	Cu	65	27187.904	92.335	27.117	ug/L	2.083
⌈	Zn r	66	838.387	269.007	1.081	ug/L	4.291
|	Zn	67	2609.469	1678.202	12.073	ug/L	6.708
|	Zn	68	1252.448	340.011	2.298	ug/L	2.311
|>	Ge	72	72304.633	98142.756		ug/L	
|	As r	75	395.238	-144.551	0.634	ug/L	20.158
|	As u	75	9254.991	7238.477	5.343	ug/L	2.449
|	Se r	82	-2.803	-0.290	-0.029	ug/L	927.085
|	Se	77	2763.215	2359.603	17.127	ug/L	8.011
⌊	Sr	88	1218326.800	127.002	122.026	ug/L	1.695
⌈	Ag r	107	19.334	29.667	-0.001	ug/L	52.622
|	Ag	109	10.667	23.334	-0.002	ug/L	11.265
|	Cd r	111	110.614	162.767	-0.007	ug/L	275.723
|	Cd	106	-1913.200	-2408.095	-1.823	ug/L	53.834
|	Cd	108	-1988.662	-2520.806	-2.369	ug/L	59.952
|	Cd	114	11.029	30.477	-0.005	ug/L	48.188
|	Cd u	111	4.333	14.000	-0.006	ug/L	38.931
|>	In	115	145687.251	201011.882		ug/L	
|	Sb r	123	47.159	36.661	0.008	ug/L	28.873
⌊	Sb	121	55.667	52.334	0.005	ug/L	37.036

⌈	Sn	118	98.335	131.336	**0.001**	ug/L	134.920
|	Sn r	120	133.002	184.004	**-0.000**	ug/L	815.097
|	Ba r	137	55814.028	34.667	**35.281**	ug/L	2.193
|	Ba	135	32242.107	19.000	**35.437**	ug/L	2.509
|>	Tb	159	173948.548	237352.059		ug/L	
|	Tl r	205	249.673	234.006	**0.008**	ug/L	2.698
|	Tl	203	104.335	95.002	**0.009**	ug/L	48.863
|	U	238	12991.760	14.333	**0.859**	ug/L	1.701
⌊	Pb	208	2142.137	699.353	**0.128**	ug/L	3.932
⌈	Na	23	22441250.715	27097.287	**5.932**	mg/L	1.680
|	Mg	24	7240410.400	405.348	**2.715**	mg/L	2.001
|	K	39	3951726.626	467869.939	**0.542**	mg/L	2.154
|	Ca	44	3450972.683	11211.945	**21.519**	mg/L	2.073
|	Fe	54	19313.740	24278.329	**0.000**	mg/L	303.028
⌊>	Sc-1	45	258011.128	326012.180		ug/L	
	Kr	83	130.669	148.336		ug/L	
	Cl	35	26120646.413	27454688.427		mg/L	
	C	12	315901.405	345074.031		mg/L	
	Y	89	142586.168	189640.829		ug/L	
⌈	Br	79	1920.259	2019.619	**2.575**	ug/L	9.807
|	Br	81	12057.901	14687.828	**7.243**	ug/L	14.807
⌊>	Ge-1	72	72304.633	98142.756		ug/L	
	Ru	99	1.667	1.333		ug/L	
	Pd	105	1682.201	2129.316		ug/L	
	Ho	165	167108.359	233253.622		ug/L	
	Th	232	61.001	71.001	**-0.001**	ug/L	60.828
⌈	Mo	95	355.345	97.335	**0.177**	ug/L	8.864
|	Mo	97	224.006	68.668	**0.170**	ug/L	9.542
|	Mo r	98	560.361	155.226	**0.168**	ug/L	2.236
|	Rh	103	50.001	7.333		ug/L	
⌊>	In-1	115	145687.251	201011.882		ug/L	
	Ti	47	332.677	195.338		ug/L	
	Li	7	24895.138	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
Ca 44 Upper, S, EEE	Ca	44	Sample greater than CLM3

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: 1202004-44

Sample Description:
Autosampler Position: 68
Sample Date/Time: Tuesday, February 14, 2012 14:43:08
Dataset File: C:\Elandata\Dataset\EL120214\1202004-44.070
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	1.000	1.333	-0.001	ug/L	400.953
|>	Li u	6	350399.750	373974.845		ug/L	
⌊	Li	6	348661.287	372040.788		ug/L	
⌈	Be	9	1.000	1.333	-0.000	ug/L	909.580
|	B	11	814.718	99.335	2.152	ug/L	9.203
|	Al	27	2892.573	1258.449	0.524	ug/L	6.251
|>	Sc	45	270023.733	326012.180		ug/L	
|	V r	51	-1047.317	-1619.789	0.049	ug/L	83.428
|	V u	51	118252.862	100332.614	5.865	ug/L	21.484
|	Cr r	52	10312.679	9993.255	0.408	ug/L	18.784
|	Cr	53	41254.479	35155.627	22.008	ug/L	18.292
|	Mn	55	421.349	408.348	0.011	ug/L	14.300
|	Co	59	28.334	28.334	0.001	ug/L	99.128
|	Ni r	60	54.001	67.668	-0.002	ug/L	84.711
|	Ni	62	83.335	89.335	0.058	ug/L	118.937
|	Cu r	63	194.004	190.004	0.016	ug/L	34.477
⌊	Cu	65	102.668	92.335	0.025	ug/L	15.800
⌈	Zn r	66	156.003	269.007	-0.088	ug/L	9.276
|	Zn	67	2526.440	1678.202	9.948	ug/L	4.404
|	Zn	68	350.345	340.011	0.179	ug/L	6.641
|>	Ge	72	77164.235	98142.756		ug/L	
|	As r	75	-424.837	-144.551	-0.372	ug/L	126.391
|	As u	75	8303.234	7238.477	3.339	ug/L	17.460
|	Se r	82	-7.794	-0.290	-0.077	ug/L	279.215
|	Se	77	2733.544	2359.603	13.774	ug/L	19.460
⌊	Sr	88	276.674	127.002	0.017	ug/L	9.370
⌈	Ag r	107	27.667	29.667	0.001	ug/L	150.068
|	Ag	109	15.000	23.334	-0.001	ug/L	122.961
|	Cd r	111	137.051	162.767	0.010	ug/L	19.716
|	Cd	106	-1974.019	-2408.095	-1.055	ug/L	40.102
|	Cd	108	-2080.443	-2520.806	-1.677	ug/L	28.542
|	Cd	114	11.841	30.477	-0.005	ug/L	44.136
|	Cd u	111	5.000	14.000	-0.005	ug/L	45.591
|>	In	115	156045.284	201011.882		ug/L	
|	Sb r	123	15.831	36.661	-0.005	ug/L	32.848
⌊	Sb	121	18.000	52.334	-0.006	ug/L	25.026

⌈	Sn	118	105.335	131.336	**0.001**	ug/L	646.733
|	Sn r	120	133.669	184.004	**-0.002**	ug/L	180.668
|	Ba r	137	48.334	34.667	**0.012**	ug/L	18.885
|	Ba	135	27.334	19.000	**0.013**	ug/L	69.797
|>	Tb	159	186727.307	237352.059		ug/L	
|	Tl r	205	233.339	234.006	**0.005**	ug/L	13.027
|	Tl	203	97.668	95.002	**0.006**	ug/L	85.134
|	U	238	12.333	14.333	**0.000**	ug/L	320.585
⌊	Pb	208	306.339	699.353	**-0.018**	ug/L	5.484
⌈	Na	23	90532.009	27097.287	**0.017**	mg/L	5.748
|	Mg	24	1516.165	405.348	**0.000**	mg/L	5.905
|	K	39	408627.681	467869.939	**0.003**	mg/L	8.775
|	Ca	44	7974.878	11211.945	**-0.008**	mg/L	12.379
|	Fe	54	20069.714	24278.329	**-0.000**	mg/L	4899.309
⌊>	Sc-1	45	270023.733	326012.180		ug/L	
	Kr	83	129.669	148.336		ug/L	
	Cl	35	25281822.093	27454688.427		mg/L	
	C	12	317292.202	345074.031		mg/L	
	Y	89	152189.442	189640.829		ug/L	
⌈	Br	79	1263.450	2019.619	**-1.807**	ug/L	34.468
|	Br	81	11718.371	14687.828	**0.939**	ug/L	134.990
⌊>	Ge-1	72	77164.235	98142.756		ug/L	
	Ru	99	0.333	1.333		ug/L	
	Pd	105	1760.219	2129.316		ug/L	
	Ho	165	180095.767	233253.622		ug/L	
	Th	232	55.667	71.001	**-0.001**	ug/L	48.072
⌈	Mo	95	85.668	97.335	**0.006**	ug/L	90.457
|	Mo	97	50.001	68.668	**-0.003**	ug/L	382.026
|	Mo r	98	135.966	155.226	**0.005**	ug/L	41.122
|	Rh	103	3.333	7.333		ug/L	
⌊>	In-1	115	156045.284	201011.882		ug/L	
	Ti	47	161.670	195.338		ug/L	
	Li	7	21436.045	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type	Mass	Out of Limits Message

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 2

Sample Description:
Autosampler Position: 3
Sample Date/Time: Tuesday, February 14, 2012 14:48:23
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 2.071
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	14757.290	1.333	**49.206**	ug/L	0.356
|>	Li u	6	328521.166	373974.845		ug/L	
⌊	Li	6	326881.237	372040.788		ug/L	
⌈	Be	9	14757.290	1.333	**53.454**	ug/L	1.779
|	B	11	18168.616	99.335	**52.145**	ug/L	0.577
|	Al	27	188274.418	1258.449	**52.097**	ug/L	0.530
|>	Sc	45	274817.838	326012.180		ug/L	
|	V r	51	292855.969	-1619.789	**47.782**	ug/L	0.264
|	V u	51	387174.876	100332.614	**49.451**	ug/L	0.610
|	Cr r	52	255722.576	9993.255	**48.589**	ug/L	0.678
|	Cr	53	60042.388	35155.627	**54.035**	ug/L	1.522
|	Mn	55	391796.354	408.348	**48.711**	ug/L	0.767
|	Co	59	272611.201	28.334	**48.912**	ug/L	0.961
|	Ni r	60	55967.457	67.668	**48.580**	ug/L	0.539
|	Ni	62	7979.884	89.335	**48.287**	ug/L	0.648
|	Cu r	63	111399.524	190.004	**48.195**	ug/L	0.804
⌊	Cu	65	51647.363	92.335	**48.409**	ug/L	0.458
⌈	Zn r	66	32085.448	269.007	**51.506**	ug/L	0.529
|	Zn	67	8068.646	1678.202	**57.042**	ug/L	2.057
|	Zn	68	23435.558	340.011	**50.890**	ug/L	0.776
|>	Ge	72	75525.432	98142.756		ug/L	
|	As r	75	41247.876	-144.551	**50.029**	ug/L	0.428
|	As u	75	44456.209	7238.477	**50.730**	ug/L	1.009
|	Se r	82	4860.843	-0.290	**51.955**	ug/L	1.534
|	Se	77	5233.546	2359.603	**54.701**	ug/L	4.865
⌊	Sr	88	535085.756	127.002	**51.300**	ug/L	0.604
⌈	Ag r	107	215896.498	29.667	**49.670**	ug/L	0.721
|	Ag	109	204438.832	23.334	**49.924**	ug/L	0.677
|	Cd r	111	53451.178	162.767	**49.652**	ug/L	1.127
|	Cd	106	2890.122	-2408.095	**49.138**	ug/L	1.454
|	Cd	108	1636.303	-2520.806	**49.658**	ug/L	1.367
|	Cd	114	123398.942	30.477	**50.189**	ug/L	1.313
|	Cd u	111	53602.999	14.000	**49.715**	ug/L	1.119
|>	In	115	149605.907	201011.882		ug/L	
|	Sb r	123	129679.476	36.661	**49.235**	ug/L	0.667
⌊	Sb	121	170554.743	52.334	**48.960**	ug/L	1.484

⌈	Sn	118	157497.051	131.336	**49.589**	ug/L	0.650
|	Sn r	120	214713.468	184.004	**49.406**	ug/L	0.708
|	Ba r	137	80561.167	34.667	**49.882**	ug/L	1.388
|	Ba	135	46660.586	19.000	**50.230**	ug/L	1.222
|>	Tb	159	177603.702	237352.059		ug/L	
|	Tl r	205	468734.649	234.006	**49.738**	ug/L	0.577
|	Tl	203	191441.490	95.002	**49.769**	ug/L	0.915
|	U	238	748061.271	14.333	**48.459**	ug/L	0.552
⌊	Pb	208	640165.219	699.353	**49.223**	ug/L	1.117
⌈	Na	23	23072748.247	27097.287	**5.724**	mg/L	0.595
|	Mg	24	16150346.037	405.348	**5.685**	mg/L	0.465
|	K	39	38986429.464	467869.939	**5.483**	mg/L	0.535
|	Ca	44	851954.147	11211.945	**4.944**	mg/L	0.595
|	Fe	54	1929908.511	24278.329	**3.882**	mg/L	0.730
⌊>	Sc-1	45	274817.838	326012.180		ug/L	
	Kr	83	133.336	148.336		ug/L	
	Cl	35	26594430.995	27454688.427		mg/L	
	C	12	314242.009	345074.031		mg/L	
	Y	89	147988.281	189640.829		ug/L	
⌈	Br	79	10655.482	2019.619	**51.927**	ug/L	1.079
|	Br	81	21272.587	14687.828	**55.950**	ug/L	2.744
⌊>	Ge-1	72	75525.432	98142.756		ug/L	
	Ru	99	13.333	1.333		ug/L	
	Pd	105	1795.561	2129.316		ug/L	
	Ho	165	170664.852	233253.622		ug/L	
	Th	232	705220.447	71.001	**42.147**	ug/L	1.055
⌈	Mo	95	82519.801	97.335	**49.853**	ug/L	0.442
|	Mo	97	53037.433	68.668	**50.378**	ug/L	0.895
|	Mo r	98	138240.574	155.226	**50.409**	ug/L	0.833
|	Rh	103	37.334	7.333		ug/L	
⌊>	In-1	115	149605.907	201011.882		ug/L	
	Ti	47	192.338	195.338		ug/L	
	Li	7	20221.079	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 2	Zn	67	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Na	23	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Mg	24	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Fe	54	CCV (CLC) is out of limits (+/- 10%)
QC Std 2	Br	81	CCV (CLC) is out of limits (+/- 10%)

ELAN 6100 Quantitative Analysis - Summary Report

User Name: R.COSTAS User

Sample ID: QC Std 4

Sample Description:
Autosampler Position: 1
Sample Date/Time: Tuesday, February 14, 2012 14:53:35
Dataset File: C:\Elandata\Dataset\EL120214\QC Std 4.072
Optimization File: C:\Elandata\Optimize\epa.dac
Method File: C:\Elandata\Method\EPA\2008.MTH + B,Sr,Sn,U,Br - 1 CAL STD.mth
Calibration File: C:\Elandata\System\EL120214.cal
Report Title: QUANTITATIVE ANALYSIS REPORT
analysis 200.8 or equivalent

SITE: DIMOCK WO1202004

	Analyte	Mass	Meas. Intens. Mean	Blank Intensity	Conc. Mean	Sample Unit	Conc. RSD
⌈	Be r	9	2.333	1.333	0.004	ug/L	182.467
|>	Li u	6	335579.958	373974.845		ug/L	
L	Li	6	333893.188	372040.788		ug/L	
⌈	Be	9	2.333	1.333	0.004	ug/L	174.194
|	B	11	195.004	99.335	0.314	ug/L	39.332
|	Al	27	1080.087	1258.449	0.001	ug/L	526.167
|>	Sc	45	278648.559	326012.180		ug/L	
|	V r	51	-637.910	-1619.789	0.119	ug/L	116.828
|	V u	51	87527.350	100332.614	0.283	ug/L	106.961
|	Cr r	52	7626.524	9993.255	-0.177	ug/L	15.845
|	Cr	53	30374.546	35155.627	0.562	ug/L	264.235
|	Mn	55	358.679	408.348	0.001	ug/L	99.370
|	Co	59	53.334	28.334	0.005	ug/L	60.718
|	Ni r	60	48.667	67.668	-0.008	ug/L	126.319
|	Ni	62	84.335	89.335	0.048	ug/L	15.354
|	Cu r	63	153.670	190.004	-0.004	ug/L	307.667
L	Cu	65	71.001	92.335	-0.007	ug/L	60.086
⌈	Zn r	66	125.669	269.007	-0.138	ug/L	14.075
|	Zn	67	2398.065	1678.202	8.679	ug/L	4.696
|	Zn	68	286.008	340.011	0.034	ug/L	63.391
|>	Ge	72	77973.007	98142.756		ug/L	
|	As r	75	-38.934	-144.551	0.090	ug/L	122.870
|	As u	75	4911.287	7238.477	-1.063	ug/L	28.081
|	Se r	82	-3.867	-0.290	-0.037	ug/L	567.239
|	Se	77	1540.783	2359.603	-5.180	ug/L	14.246
L	Sr	88	197.005	127.002	0.009	ug/L	28.183
⌈	Ag r	107	55.001	29.667	0.007	ug/L	56.496
|	Ag	109	49.334	23.334	0.007	ug/L	75.041
|	Cd r	111	152.241	162.767	0.020	ug/L	35.289
|	Cd	106	-2048.743	-2408.095	-1.300	ug/L	35.826
|	Cd	108	-2160.941	-2520.806	-2.048	ug/L	31.748
|	Cd	114	20.115	30.477	-0.002	ug/L	193.307
|	Cd u	111	13.000	14.000	0.002	ug/L	14.412
|>	In	115	159911.444	201011.882		ug/L	
|	Sb r	123	46.122	36.661	0.006	ug/L	80.855
L	Sb	121	57.334	52.334	0.004	ug/L	114.308

⌈	Sn	118	169.670	131.336	**0.020**	ug/L	27.101
|	Sn r	120	250.673	184.004	**0.023**	ug/L	40.735
|	Ba r	137	38.334	34.667	**0.007**	ug/L	45.413
|	Ba	135	22.334	19.000	**0.008**	ug/L	56.435
|>	Tb	159	186785.610	237352.059		ug/L	
|	Tl r	205	1540.189	234.006	**0.137**	ug/L	50.930
|	Tl	203	602.365	95.002	**0.131**	ug/L	44.578
|	U	238	129.002	14.333	**0.007**	ug/L	19.953
⌊	Pb	208	372.007	699.353	**-0.013**	ug/L	7.890
⌈	Na	23	24038.753	27097.287	**0.000**	mg/L	85.412
|	Mg	24	1758.560	405.348	**0.000**	mg/L	32.601
|	K	39	405263.999	467869.939	**0.001**	mg/L	47.380
|	Ca	44	7289.194	11211.945	**-0.013**	mg/L	6.573
|	Fe	54	19254.539	24278.329	**-0.003**	mg/L	19.043
⌊>	Sc-1	45	278648.559	326012.180		ug/L	
	Kr	83	138.003	148.336		ug/L	
	Cl	35	26244507.239	27454688.427		mg/L	
	C	12	299250.892	345074.031		mg/L	
	Y	89	156158.258	189640.829		ug/L	
⌈	Br	79	2070.966	2019.619	**2.579**	ug/L	7.239
|	Br	81	12752.022	14687.828	**5.887**	ug/L	6.599
⌊>	Ge-1	72	77973.007	98142.756		ug/L	
	Ru	99	0.333	1.333		ug/L	
	Pd	105	1825.902	2129.316		ug/L	
	Ho	165	180641.078	233253.622		ug/L	
	Th	232	657.036	71.001	**0.035**	ug/L	25.025
⌈	Mo	95	134.336	97.335	**0.032**	ug/L	49.998
|	Mo	97	78.001	68.668	**0.021**	ug/L	59.549
|	Mo r	98	222.414	155.226	**0.034**	ug/L	47.489
|	Rh	103	6.000	7.333		ug/L	
⌊>	In-1	115	159911.444	201011.882		ug/L	
	Ti	47	139.669	195.338		ug/L	
	Li	7	20798.634	23847.814		mg/L	

QC Out Of Limits (only failed QC will appear below)

Measurement Type		Mass	Out of Limits Message
QC Std 4	Cr	53	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Zn	67	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	As u	75	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	106	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Cd	108	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	79	IBL (LCB) is out of limits (+/- 0.400ug/L)
QC Std 4	Br	81	IBL (LCB) is out of limits (+/- 0.400ug/L)

ICP-AES METALS Technical Review Checklist

(200.7, 6010) Hardness_____

For Internal Use Only

Site Name: Dimock WO#: 1202004

Analyst: JR Dorsey Date given to Reviewer: 2/15/12

Matrix (circle): Solid / Aqueous / Other _____ SOP R3QA159-021511 / R3QA155-021511

(If TCLP is run: SOP R3QA135-021011)

Program (circle): Superfund / RCRA / Compliance NPDES or SDWA / Other: _____

The signature below indicates the following:

- This data meets the needs of the customer according to the request.
- The analysis was performed as per the SOP, or exceptions documented.
- All documentation needed to recreate the analyses has been reviewed.
- Data Review status set to Peer Reviewed in Element.

01-44 Report Ba for -26, -27, -38, -39 -13, -14, -17, -36, -20, -23 Report Mn for -13-14, -17, -20

Peer Reviewer signature K Lostar Date accepted 2-16-12

If any data for this case is stored with another case file, give Site Name and WO#_____

Peer Reviewer Completes Section Below:

General:	YES	NO	N/A	Comments
Raw data is identified with sample ID's, site name, WO#, analyst name, date of analysis.	✓			
Quality Control:				
First CCV ±5% and RSD <3;	✓			
All other CCV ±10%, every 10 samples and end of run;	✓			
For Compliance samples (SDWA and NPDES):				
SCV ±5% (each time, including PTs)	✓			
All other samples SCV ±10%			✓	
LCV ±30%;	✓			
IBL < |Reporting limit|, analyzed with each CCV ;	✓			
BS (LCS) ±15%;	✓			
SRM (soils) within vendor acceptance limits;			✓	
BLK < |Reporting limit| (if >Reporting Limit **and** >1/10 of sample - must qualify)	✓			
MS [±30%] unless spike is <30% of sample value;	✓			
RPDs from DUP ≤20% aqueous & 35% soils;	✓			
Sample results < CAL or within documented linear range;	✓			

Interference Checks:

Spectral overlays or 2nd wavelength used or interfering elements not present above CAL	✓			
IFA recovery at ±20%;	✓			
Non-interfering elements ± | Reporting limit | or calculated range from 200.7;	✓			

Calculations/Report:

Calculations and transcriptions checked.	✓			
Element Draft Report reviewed.	✓			
Deviations and problems documented.	✓			

NOTE: When soils are being reported, the *sample qualifier* 'dry' or 'wet' must be entered so that it appears in the header of the Element report. This will signify that the data was report 'wet weight' or 'dry weight' as appropriate.

Additional Comments by Peer Reviewer:

Analyst Ensures that the Data Case File is Complete and Accurate:

- ✓ Bench sheet (TCLP prep log)
- ✓ IEC tables
- ✓ Instrument run log
- ✓ Standard/Reagent Prep log
- ✓ TV sheets
- ✓ Element Peer Review report
- ✓ Raw data
- ✓ Data status set to analyzed

Additional Comments by Analyst on data issues:

Use BB 21006-BS2 for section B + SN

On-Demand Data Checklist
(used in addition to routine TRC)
For Internal Use Only

Parameter: Li, Sr, Sn & Ti
Procedure/Method/Reference: 200.7

Site Name: Dimock WO#: 1202004
Analyst: JRDonsey

The signature below indicates the following:
• The analysis was performed as per the On-Demand requirements below.

Peer Reviewer signature [signature] Date accepted 2.16.12

Peer Reviewer Completes Section Below:

This is a special request which falls outside our routine protocols. Therefore, these samples were analyzed and the quality control (QC) were evaluated based on the "On Demand" criteria. These protocols include all the QC checks as per routine analyses plus special verification of the performance of the analytical method at the reported quantitation limit/s. These protocols are specified in the EPA Region III OASQA Laboratory Quality Manual, current version.

Quality Control:	**YES**	**NO**	**N/A**	**Comments**
A written procedure or reference must be available for the method being performed and referenced in the narrative. If the method to be performed is unique, the procedures must be fully documented.	✓			
Calibration of the instrumentation or analytical procedure must be according to the method or procedure.	✓			
Calibration verified by analysis of second source standard (SCV, SRM), if available. Concentration must be in the range of the calibration. Results must be within the method, procedure, client or in-house limits.	✓			
Analysis of one method blank (BLK) with each batch. Ideally, the results should be less than the expected quantitation levels set by the method, procedure, or in-house requirements.	✓			
Analysis of one matrix spike (MS) with each batch. For samples or parameters which do not lend themselves to matrix spiking, a BS or SRM sample must be analyzed. Results of spikes must be within the method, procedure, client or in-house limits.	✓			
Analysis of one duplicate analyses (DUP) or a quality control sample such as an SRM or BS with each batch. If duplicate analyses is not possible, e.g, insufficient sample quantity, a quality control sample must be analyzed in duplicate, if available. Results of duplicate analyses must be				

within the method, procedure, client or in-house limits. ✓

At least one blank spike (BS) must be carried through the entire method and analyzed with each batch. The concentration of the BS should be at the quantitation level or at the level of the expected sample results, if known. Results of the BS must be within the method, procedure, client or in-house limits. ✓

Any additional quality control items, such as surrogates, internal standards, etc., which the referenced method or procedure requires should be analyzed. Results must be within the method or, procedure limits. ✓

The analyst must document the impact on the usability of the reported data by applying qualifier codes if applicable and including a summary in the case file. ✓

Additional Comments:

EPA Region 3 - OASQA - METALS - SAMPLE PREPARATION/TEMPERATURE LOG

BB21006 **bch_metals.rpt**

Project: DAS R33907

Work Order No: 1202004

Site Name: Dimock Residential Groundwater

Analysis: Total Metals by 200.7
Total Metals by 200.8

Matrix: Water

Location: EPA #3 Shelf 1C
EPA #3 Shelf 8D

Client: OSWER - Emergency Response

Account#: 2012T03N303DC6A3TARS00

Method/SOP: EPA 200.7/R3QA159
EPA 200.8/R3QA116

Comments from WO:

Analyst:	Solid samples are dried and prepared according to digestion SOP .	Certificate of Analysis Log#: 2
Sample Prep Date: 2/13/12	BS/MS spike Soln Bar Code: 12713 / 12714	HNO3 Bar Code: 11152 Vol. used 1 mL
DI Water Resistivity > 18 (MΩ-cm) (Y) / N	BS/MS ICP-MS Spike Units: (µL)	HCL Bar Code: 11148 Vol. used .5 mL
Hot Block1Time/Temp start: 10:30 / 96 °C	BS/MS ICP Spike Units: (µL)	Reagent purity correct (Y) / N
Hot Block1 Time/Temp stop: 9:00 / 95°C	Pipets Log# 11 Balance Log# 1	SRM ID — Bar Code —
Digestion SOP: R3-QA155 3:20 95°C		

Li spike

0.5ml of 10,000 ppm stock BC# 11008 diluted to 100ml

.5ml — 200.7
.05ml — 200.8

EPA Region 3 - OASQA - METALS - SAMPLE PREPARATION/TEMPERATURE LOG

BB21006 **bch_metals.rpt**

LabNumber	Cont ID	Sample Type	pH	Initial (mL)	Final (mL)	Spike1	Spike1 Amount µl	Spike2	Spike2 Amount µl	SourceID	ExtractionComments	Observations
1202004-01	D	SAM	<2	50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-02	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-03	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-04	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-06	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-07	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-08	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-09	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-11	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-13	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-14	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-15	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-16	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-17	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-19	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-20	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-21	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-22	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-23	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-24	D	SAM	✓	50	50						71/71 Drinking Water (Total/Dissolved)	
BB21006-BLK1				50	50					-		
BB21006-BLK2				50	50					-		
BB21006-BS1				50	50	0600208	50	0600209	50	-		

EPA Region 3 - OASQA - METALS - SAMPLE PREPARATION/TEMPERATURE LOG

BB21006 **bch_metals.rpt**

LabNumber	Cont ID	Sample Type	pH	Initial (mL)	Final (mL)	Spike1	Spike1 Amount µl	Spike2	Spike2 Amount µl	SourceID	ExtractionComments	Observations
BB21006-BS2				50	50	0600208	500	0600209	500	-		
BB21006-DUP1				50	50					1202004-01		
BB21006-DUP2				50	50					1202004-01		
BB21006-DUP3				50	50					1202004-13		
BB21006-DUP4				50	50					1202004-13		
BB21006-MS1				50	50	0600208	50	0600209	50	1202004-06		
BB21006-MS2				50	50	0600208	500	0600209	500	1202004-06		
BB21006-MS3				50	50	0600208	50	0600209	50	1202004-15		
BB21006-MS4				50	50	0600208	500	0600209	500	1202004-15		

EPA Region 3 - OASQA - METALS - SAMPLE PREPARATION/TEMPERATURE LOG

BB21302 **bch_metals.rpt**

Project: DAS R33907

Work Order No: 1202004

Site Name: Dimock Residential Groundwater

Analysis: Total Metals by 200.7
Total Metals by 200.8

Matrix: Water

Location: EPA #3 Shelf 1C

Client: OSWER - Emergency Response

Account#: 2012T03N303DC6A3TARS00

Method/SOP: EPA 200.7/R3QA159
EPA 200.8/R3QA116

Comments from WO:

Analyst: JR Dorsey	Solid samples are dried and prepared according to digestion SOP .	Certificate of Analysis Log#: 2
Sample Prep Date: 2/13/12	BS/MS spike Soln Bar Code: 12713 / 12714	HNO3 Bar Code: 11152 Vol. used 1 mL
DI Water Resistivity > 18 (MΩ-cm) (Y) / N	BS/MS ICP-MS Spike Units: (µL)	HCL Bar Code: 11148 Vol. used .5 mL
Hot Block1Time/Temp start: 8:30 / ~~3:30~~ °C 90°C	BS/MS ICP Spike Units: (µL)	Reagent purity correct (Y) / N
Hot Block1 Time/Temp stop: 3:30 / 95° C	Pipets Log# 11 Balance Log# 1	SRM ID ____ Bar Code ____
Digestion SOP: R3-QA155		

Li spike

0.5 ml of 10,000 ppm stock BC# 11008 diluted to 100 ml

.5 ml – 200.7

.05 ml – 200.8

EPA Region 3 - OASQA - METALS - SAMPLE PREPARATION/TEMPERATURE LOG

BB21302 **bch_metals.rpt**

LabNumber	Cont ID	Sample Type	pH	Initial (mL)	Final (mL)	Spike1	Spike1 Amount µl	Spike2	Spike2 Amount µl	SourceID	ExtractionComments	Observations
1202004-25	D	SAM	<2	50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-26	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-27	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-28	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-29	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-30	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-31	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-32	D	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-33	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-34	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-35	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-36	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-37	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-38	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-39	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-40	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-41	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-42	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-43	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
1202004-44	A	SAM		50	50						71/71 Drinking Water (Total/Dissolved)	
BB21302-BLK1				50	50					-		
BB21302-BS1				50	50	0600208	50	0600209	50	-		
BB21302-BS2				50	50	0600208	500	0600209	500	-		

EPA Region 3 - OASQA - METALS - SAMPLE PREPARATION/TEMPERATURE LOG

BB21302 **bch_metals.rpt**

LabNumber	Cont ID	Sample Type	pH	Initial (mL)	Final (mL)	Spike1	Spike1 Amount µl	Spike2	Spike2 Amount µl	SourceID	ExtractionComments	Observations
BB21302-DUP1				50	50					1202004-27		
BB21302-DUP2				50	50					1202004-27		
BB21302-DUP3				50	50					1202004-35		
BB21302-DUP4				50	50					1202004-35		
BB21302-MS1				50	50	0600208	50	0600209	50	1202004-32		
BB21302-MS2				50	50	0600208	500	0600209	500	1202004-32		
BB21302-MS3				50	50	0600208	50	0600209	50	1202004-40		
BB21302-MS4				50	50	0600208	500	0600209	500	1202004-40		

RUNLOG FOR 3300DV OPTIMA JR DORSEY 02/14/2012
DIMOCK 1202004

JMg 2/14/12

IBL
CALA
CALB
IBL
LCV LI/SR
LCV
CCV@A/B
SCV@LVM
IFA@1
IFA@2
IFA@3
BB21006-BLK2
BB21006-BS2
1202004-01
BB1006-DUP2
1202004-02
1202004-03
1202004-04
1202004-06
BB1006-MS2
1202004-07
IBL
CCV@A/B
1202004-08
1202004-09
1202004-11
1202004-13
BB21006-DUP4
1202004-14
1202004-15
BB21006-MS4
1202004-16
1202004-17
IBL
CCV@A/B
1202004-19
1202004-20
1202004-21
1202004-22
1202004-23
1202004-24
IBL
CCV@A/B
CCV@A/B
BB21302-BLK2
BB21302-BS2
1202004-25
1202004-26
1202004-27
BB21302-DUP2
1202004-28
1202004-29
1202004-30
1202004-31
IBL
CCV@A/B
1202004-32
BB21302-MS2
1202004-33
1202004-34

DIM02100

2/14/12

1202004-35
BB21302-DUP4
1202004-36
1202004-37
1202004-38
1202004-39
IBL
CCV@A/B
1202004-40
1202004-41 — BB21302-MS4
1202004-~~42~~ 41
~~BB21302-MS4~~ 1202004-42
1202004-43
1202004-44
IBL
CCV@A/B

2/27/12

EPA - OASQA - ICP Standard/Reagent Preparation

Perkin Elmer 3300 OPTIMA

Analyst: JR Dorsey Date: 2/14/12 Pipets Logbook # SNB11

Run Filename: DV120214 (all electronic files saved using Run Filename) SOP #: R3-QA159

SITE/WO#: Dimock 1202004 Reagent Purity checked ✓

SCV in 2% nitric / 2% HCl matrix (**made daily**): or alternate matrix of _____
(diluted with IBL)

* Stock Solution	Expiration Date	Stock Conc	Vendor	Bar Code	Stock Volume	Final Volume	Final Conc	Check if used
QC-7A	1-12	100 mg/L 1000 mg/L (K)	Spex	13852	0.5 ml	12.5 ml	see TV sheet	✓
QC-21	1-12	100 mg/L	Spex	13853	0.5ml	12.5 ml	see TV sheet	✓
QC-7A (Ag)	1-12	50 mg/L	Spex	13853	0.05ml	25 ml	0.100 mg/L	

* See Certificate of Analysis for analytes.

Internal Standard in 2% nitric matrix (made as needed...no expiration date applicable)

Stock Solution	Stock Conc	Vendor	Bar Code	Stock Volume	Nitric Volume	Final Volume	Final Conc
Yttrium	1000 mg/L	High Purity	4004	5 mL	10 mL	500 mL	10mg/L

Calibration Standards (CAL) and IBL in 2% nitric / 2% HCl matrix (2 mL acid per 100 mL solution) or alternate matrix of _____

	* Stock Soln and Conc	Vendor	Bar Code	Stock Volume	Final Volume	Final Conc	Date made/ Preparer	Check if used
IBL	na	na	na	na	1000 mL	na	made daily	√
CAL A	CAL STD A-R Solution A+B (see certificate)	High Purity	11004 11002	10 mL A 10 mL B	1000 ml	see TV sheet	3/11 jrd	
CAL B	CAL STD B: Solution A+B (see certificate)	High Purity	11010 11002	10 mL A 10 mL B	1000 ml	see TV sheet	10/11 jrd	
CAL AG	Silver 1000 mg/L	High Purity	11884	0.02 mL	100 ml	0.20 mg/L		
CAL BS								
CAL A	CAL STD A-R Solution A+B (see certificate)	High Purity	11004 11002	2.5 mL A 2.5 mL B	200 ml	see TV sheet	2/2/12 jrd	✓
	Li @ 10,000 ppm Sr @1000 ppm	High Purity High Purity	11008 11882	0.1ml 1.0 ml				
CAL B	CAL STD B: Solution A+B (see certificate)	High Purity	11010 11002	2.5 mL A 2.5 mL B	200 ml	see TV sheet	2/2/12 jrd	✓

* See Certificate of Analysis for analytes and initial concentrations.

EPA - OASQA - ICP Standard/Reagent Preparation

Perkin Elmer 3300 OPTIMA

Other QC standards in 2% nitric / 2% HCl matrix (2 mL acid per 100 mL solution) or alternate matrix of _____

	*Stock Soln and Concentration	Vendor	Bar Code	Stock Volume	Final Volume	Final Conc	Date made/ Preparer	Check if used
LCV (10:1)	EPA-CRDL-RR (See certificate) + 1000 mg/L (Ag)	High Purity EM	5759 3355 (Ag)	0.5 mL 0.01mL	100 mL 100 mL	See below^ 0.1 mg/L	1/11 JRD	✓
^LCV made daily by diluting the LCV(10:1) solution by 10X using the IBL. See TV sheet for final concs.								
LCV (Ag)								
LCV	Li & Sr	Dilute SCV 20X		TV =	.200	mg/L	JRD 2/14/12	✓
IFA 1	10,000 mg/L Ca 10,000 mg/L Al 10,000 mg/L Ni	High Purity High Purity High Purity	10171 11887 5971	5 mL 5 mL 1 mL	200 mL	250 mg/L 250 mg/L 50 mg/L	1/2012 jrd	✓
IFA 2	10,000 mg/L Na 10,000 mg/L Mg 10,000 mg/L Fe	High Purity High Purity High Purity	11808 10172 11886	5 mL 5 mL 5 mL	200 mL	250 mg/L 250 mg/L 250 mg/L	6/11 rc	✓
IFA 3	10,000 mg/L Mn 10,000 mg/L Cu 10,000 mg/L Cr	High Purity High Purity High Purity	5974 5972 5973	1 mL 0.4 mL 1 mL	200 mL	50 mg/L 20 mg/L 50 mg/L	1/2012 jrd	✓

* See Certificate of Analysis for analytes and initial concentrations.

Check standards (made daily) Matrix will be the same as the Calibration Standards (CAL) and IBL (lcb)

CCV Solution ID	Prepared by diluting 1:1	Final Conc	Check if used
CCV AB	CAL A plus CAL B	see TV sheet	✓
CCV AG	CAL AG plus IBL	0.10 mg/L	
CCV BS	CAL BS plus IBL	2.5 mg/L	

Reagent Acid Stocks

	Vendor	Bar Code		Vendor	Bar Code
Nitric Acid	Fisher	11152	HCl Acid	Fisher	11148

Certificates of Analysis Logbook # _____SNB 2_____

Comments:_____

I:\ASQAB_AT Team\FORMS\METALS\standard_reagent form ICP.wpd JAN 2012

OASQA TRUE VALUES for ICP-MS Standards and QC

ICP-MS OASQA QL (ppb) ILM5.4/ISM1.2	ICPMS OASQA QL(ppb) SDWA		QCStd 2 CCV +10% ppb	QCStd 5 SCV +10% ppb	SDWA Primary MCL ppb	LCV +50% ppb (2.5x diluted value) Lowest possible values are listed	BS = MS +15% / +30% ppb (2.5x diluted value)
1.0		Ag	50	50		0.4	2/5
20		Al	50	100		0.4	80/200
1.0	2.0	As	50	100	10	0.4	20/50
		B	50 CAL4	100		0.4	20/50
10	100	Ba	50	100	2000	0.4	80/200
1.0	1.0	Be	50	100	4	0.4	2/5
		Br	50 CAL4	*		10	*
1.0	1.0	Cd	50	100	5	0.4	2/5
1.0		Co	50	100		0.4	20/50
2.0	5.0	Cr	50	100	100	0.4	20/50
2.0	5.0	Cu	50	100	50 = POL	0.4	20/50
1.0		Mn	50	100		0.4	20/50
		Mo	50	100		0.4	20/50
1.0		Ni	50	100		0.4	20/50
		Li	*	100		*	*
1.0	2.0	Pb	50	100	5 = POL	0.4	20/50
2.0	5.0	Sb	50	100	6	0.4	20/50
5.0	5.0	Se	50	100	50	0.4	20/50
		Sn	50 CAL4	*		10	20/50
		Sr	50 CAL4	100		0.4	20/50
1.0	2.0	Tl	50	100	2	0.4	20/50
		Ti	*	100		*	*
		U	50	*		0.4	20/50
5.0		V	50	100		0.4	20/50
2.0		Zn	50	100		0.4	20/50
if requested			ppm	ppm	ppm	ppm	ppm
2000	1000	Na	5.00 MIN	0.1	no MCL	0.4	0.4/1.0
2000		Mg	5.00 MIN	0.1		0.4	0.4/1.0
2000		K	5.00 MIN	1.0		0.4	0.8/2.0
2000		Ca	5.00 MIN	0.1		0.4	0.4/1.0
100		Fe	5.00 MIN	0.1		0.4	0.2/0.5

*added separately to solution

Making CAL Standards	LCV (diluted value)	x 2.5
QC Std 1 (CAL1) = 10ppb/1ppm (5x of 50ppb)	0.4 ppb (0.4 ppm)= 0.4ml of 10 ppb (CAL1) to 10ml	1.0 (0.10)
QC Std 2 (CAL2/CCV) = 50ppb/5ppm (2x of 100ppb)	0.8 ppb (0.8 ppm) =0.8ml of 10 ppb (CAL1) to 10ml	2.0 (0.20)
QC Std 3 (CAL3) = 100ppb/10ppm	1.0 ppb (0.1 ppm) = 2x dilutionof 2.0 ppb	2.5 (0.25)
QC Std 4 = Blank = ± LCV	2.0 ppb (0.2 ppm) =0.4ml of 50 ppb (CAL2) to 10ml	5.0 (0.50)

QC Std 1	CAL
QC Std 2	CAL/CCV
QC Std 3	CAL
QC Std 4	IBL
QC Std 5	SCV
QC Std 6	LCV (tv=0.4ppb)
QC Std 7	LCV (tv=0.8ppb)
QC Std 8	LCV (tv=1.0ppb)
QC Std 9	LCV (tv=2.0ppb)
QC Std 10	BLK
QC Std 11	BS (digested)
QC Std 12	BS (undigested)

IEC File Last Saved: 1/5/2012 2:35:27 PM
Printed On: 2/14/2012 2:08:59 PM

Results Data Set Name: DV09818I
Method Name: IEC IFA rechec
Results Library: C:\pe\Administrator\Results\Results.md

Interfering Analytes

	Analytes	Al 308.215	Ca 317.933	Cr 205.560	Cu 327.393
1	Ag 328.068	0.23	0	0	0.5
2	Al 308.215	n/a	0.961621	0	0
3	As 188.979	-0.1	0	-6	3
4	B 249.677	0	0	0	0
6	Be 313.107	0	0	-0.2	0
8	Cd 214.440	0.18	0	-0.5	-0.3
10	Cr 205.560	0	0	n/a	0
11	Cu 327.393	0	0.0759573	0	n/a
19	Pb 220.353	0.1	0	0.4	0
20	Sb 206.836	0.9	0	15	0
22	Sn 189.927	0	1.4	0	0
24	Tl 190.801	3.2	0	0	0
27	Zn 206.200	0.1	0	0.7	0

IEC File Last Saved: 1/5/2012 2:35:27 PM
Printed On: 2/14/2012 2:08:59 PM

Results Data Set Name: DV09818I
Method Name: IEC IFA rechec
Results Library: C:\pe\Administrator\Results\Results.md

Interfering Analytes

	Analytes	Fe 238.204	Mg 279.077	Mn 257.610	Ni 231.604
1	**Ag 328.068**	-0.55	0	0	-0.1
2	**Al 308.215**	0	0	0	0
3	**As 188.979**	0.2	-0.5	6.2	0
4	**B 249.677**	0	0	1	0
6	**Be 313.107**	0	0	0	0
8	**Cd 214.440**	0.04	0	0	-0.1
10	**Cr 205.560**	-0.15	0	0	0.5
11	**Cu 327.393**	0	0	0	0
19	**Pb 220.353**	-0.05	0	0	0.8
20	**Sb 206.836**	0.6	0.4	1	2.4
22	**Sn 189.927**	0	0	0	0
24	**Tl 190.801**	2	1.6	0	0
27	**Zn 206.200**	0	0	0	0

IEC File Last Saved: 1/5/2012 2:35:27 PM
Printed On: 2/14/2012 2:08:59 PM

Results Data Set Name: DV09818
Method Name: IEC IFA rechec
Results Library: C:\pe\Administrator\Results\Results.md

Interfering Analytes

	Analytes	Ti 334.940
1	**Ag 328.068**	0
2	**Al 308.215**	0
3	**As 188.979**	-10
4	**B 249.677**	0
6	**Be 313.107**	0
8	**Cd 214.440**	0
10	**Cr 205.560**	0
11	**Cu 327.393**	0
19	**Pb 220.353**	0
20	**Sb 206.836**	-0.8
22	**Sn 189.927**	0
24	**Tl 190.801**	0
27	**Zn 206.200**	0

2/14/12

D. mock

1202004 01-4

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Analysis Begun

Start Time: 2/14/2012 9:02:52 AM
Plasma On Time: 2/14/2012 7:51:02 AM
Logged In Analyst: Optima
Technique: ICP Continuous
Spectrometer Model: Optima 3300 DV, S/N 069N9033001Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\BA20301.sif
Batch ID: BB21006
Results Data Set: DV120214
Results Library: C:\pe\Administrator\Results\Results.mdb

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Method Loaded
Method Name: JOE 2010
Method Last Saved: 2/1/2012 7:50:34 AM
IEC File: JOE 2010.iec
MSF File:
Method Description: 200.7 ver4.4 (analysis 200.7 or equivalent)

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Al 308.215	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
As 188.979	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
B 249.677	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Ba 233.527	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Be 313.107	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Ca 317.933	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Cd 214.440	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Co 228.616	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Cr 205.560	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Cu 327.393	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Fe 238.204	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
K 766.490	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Mg 279.077	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Mn 257.610	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Mo 202.031	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Na 589.592	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Ni 231.604	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Pb 220.353	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Sb 206.836	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Se 196.026	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Sn 189.927	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Ti 334.940	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Tl 190.801	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
V 292.402	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Y 360.073	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Zn 206.200	Lin, Calc Int	Peak Area	Radial	Y 360.073	Yes
Li 670.784	Lin, Calc Int	Peak Area	Radial	Y 360.073	No
Sr 421.552	Lin, Calc Int	Peak Area	Radial	Y 360.073	No

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Sequence No.: 1
Autosampler Location: 1
Sample ID: IBL
Date Collected: 2/14/2012 9:02:53 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: IBL

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	634521.8	5195.49	0.82%	100.0	%
Ag 328.068†	1094.3	43.28	3.95%	[0.00]	mg/L
Al 308.215†	356.5	3.97	1.12%	[0.00]	mg/L
As 188.979†	0.7	1.70	237.06%	[0.00]	mg/L
B 249.677†	-28.1	5.92	21.08%	[0.00]	mg/L
Ba 233.527†	29.8	3.61	12.10%	[0.00]	mg/L
Be 313.107†	-634.7	14.20	2.24%	[0.00]	mg/L
Ca 317.933†	7449.1	137.85	1.85%	[0.00]	mg/L
Cd 214.440†	273.4	1.93	0.71%	[0.00]	mg/L
Co 228.616†	161.4	1.92	1.19%	[0.00]	mg/L
Cr 205.560†	-3.2	3.89	120.25%	[0.00]	mg/L

Cu 327.393†	-76.3	26.13	34.24%	[0.00]	mg/L
Fe 238.204†	51.9	10.56	20.37%	[0.00]	mg/L
K 766.490†	2457.9	24.91	1.01%	[0.00]	mg/L
Mg 279.077†	-160.0	8.68	5.42%	[0.00]	mg/L
Mn 257.610†	707.2	9.99	1.41%	[0.00]	mg/L
Mo 202.031†	25.4	2.78	10.94%	[0.00]	mg/L
Na 589.592†	1502.5	43.58	2.90%	[0.00]	mg/L
Ni 231.604†	11.4	3.84	33.52%	[0.00]	mg/L
Pb 220.353†	62.9	6.60	10.48%	[0.00]	mg/L
Sb 206.836†	149.6	6.84	4.58%	[0.00]	mg/L
Se 196.026†	38.2	3.59	9.38%	[0.00]	mg/L
Sn 189.927†	15.7	3.00	19.07%	[0.00]	mg/L
Ti 334.940†	405.6	40.06	9.88%	[0.00]	mg/L
Tl 190.801†	39.0	1.77	4.53%	[0.00]	mg/L
V 292.402†	3.0	7.28	246.24%	[0.00]	mg/L
Zn 206.200†	169.8	1.93	1.14%	[0.00]	mg/L
Li 670.784†	895.9	56.14	6.27%	[0.00]	mg/L
Sr 421.552†	4.0	25.00	618.01%	[0.00]	mg/L

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

Autosampler Location: 3
Date Collected: 2/14/2012 9:06:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CALA

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	640126.3	6091.92	0.95%	100.9	%
B 249.677†	63280.0	871.80	1.38%	[5.00]	mg/L
Ba 233.527†	86139.2	784.81	0.91%	[5.00]	mg/L
Be 313.107†	3665305.6	10329.95	0.28%	[5.00]	mg/L
Cd 214.440†	183638.3	1801.42	0.98%	[5.00]	mg/L
Co 228.616†	30819.3	283.11	0.92%	[5.00]	mg/L
Mo 202.031†	3300.9	30.54	0.93%	[1.00]	mg/L
Pb 220.353†	7474.0	74.99	1.00%	[5.00]	mg/L
Sb 206.836†	3186.8	47.48	1.49%	[5.00]	mg/L
Se 196.026†	2620.5	21.54	0.82%	[5.00]	mg/L
Sn 189.927†	2206.4	27.90	1.26%	[5.00]	mg/L
Ti 334.940†	161274.6	1289.53	0.80%	[1.00]	mg/L
Tl 190.801†	484.9	4.31	0.89%	[5.00]	mg/L
V 292.402†	90778.4	699.36	0.77%	[2.5]	mg/L
Li 670.784†	1007050.2	434.71	0.04%	[5]	mg/L
Sr 421.552†	6300820.8	81841.23	1.30%	[5]	mg/L

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

Autosampler Location: 4
Date Collected: 2/14/2012 9:10:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CALB

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Y 360.073	626390.3	6373.26	1.02%	98.72	%
Al 308.215†	79056.1	245.51	0.31%	[20.0]	mg/L
As 188.979†	4290.6	40.54	0.94%	[10.0]	mg/L
Ca 317.933†	2024487.2	14773.91	0.73%	[50.0]	mg/L
Cr 205.560†	58704.8	592.24	1.01%	[10.0]	mg/L
Cu 327.393†	334893.3	733.66	0.22%	[10.0]	mg/L
Fe 238.204†	527667.2	3593.03	0.68%	[20.0]	mg/L
K 766.490†	371224.0	1098.57	0.30%	[50.0]	mg/L
Mg 279.077†	187455.0	1640.85	0.88%	[50.0]	mg/L
Mn 257.610†	1314170.6	7206.49	0.55%	[10.0]	mg/L
Na 589.592†	905296.6	2165.53	0.24%	[50.0]	mg/L
Ni 231.604†	69115.7	674.66	0.98%	[10.0]	mg/L
Zn 206.200†	187279.5	2230.64	1.19%	[20.0]	mg/L

Sequence No.: 4
Sample ID: IBL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/14/2012 9:13:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IBL

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	633025.2	99.76	%	1.044				1.05%
Ag 328.068†	-4.5						18.42	405.79%
Unable to evaluate QC.								
Al 308.215†	-3.3	-0.0008	mg/L	0.00808	-0.8301	µg/L	8.08467	973.97%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.7	-0.0063	mg/L	0.00640	-6.333	µg/L	6.4020	101.09%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	230.1	0.0182	mg/L	0.00146	18.18	µg/L	1.459	8.02%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	0.5	0.0000	mg/L	0.00023	0.0310	µg/L	0.22854	738.17%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	49.1	0.0001	mg/L	0.00004	0.0671	µg/L	0.03996	59.59%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	194.3	0.0048	mg/L	0.00557	4.799	µg/L	5.5695	116.06%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	5.7	0.0002	mg/L	0.00010	0.1577	µg/L	0.10464	66.36%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	5.1	0.0008	mg/L	0.00125	0.8257	µg/L	1.24933	151.31%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	3.7	0.0006	mg/L	0.00098	0.6360	µg/L	0.97994	154.09%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	162.5	0.0049	mg/L	0.00239	4.852	µg/L	2.3900	49.26%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	55.4	0.0021	mg/L	0.00083	2.101	µg/L	0.8280	39.42%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	295.8	0.0398	mg/L	0.01094	39.85	µg/L	10.942	27.46%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	24.6	0.0066	mg/L	0.00361	6.551	µg/L	3.6056	55.04%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	102.0	0.0008	mg/L	0.00029	0.7764	µg/L	0.29051	37.42%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.4	-0.0004	mg/L	0.00088	-0.4347	µg/L	0.87890	202.19%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	553.0	0.0305	mg/L	0.00737	30.54	µg/L	7.371	24.13%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.1	0.0004	mg/L	0.00132	0.4496	µg/L	1.31503	292.47%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-4.0	-0.0026	mg/L	0.00602	-2.644	µg/L	6.0208	227.69%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	11.8	0.0185	mg/L	0.00594	18.52	µg/L	5.939	32.06%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	4.2	0.0080	mg/L	0.00995	7.957	µg/L	9.9488	125.03%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-1.2	-0.0026	mg/L	0.00582	-2.614	µg/L	5.8202	222.65%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	1.4	0.0000	mg/L	0.00012	0.0085	µg/L	0.12421	>999.9%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.3	0.0028	mg/L	0.00426	2.824	µg/L	4.2571	150.73%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	11.0	0.0003	mg/L	0.00009	0.3019	µg/L	0.09226	30.56%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	68.2	0.0073	mg/L	0.00150	7.280	µg/L	1.4988	20.59%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Li 670.784†	334.4	0.0017	mg/L	0.00015	1.660	µg/L	0.1457	8.77%
QC value within limits for Li 670.784 Recovery = Not calculated								
Sr 421.552†	103.2	0.0001	mg/L	0.00007	0.0819	µg/L	0.06994	85.39%
QC value within limits for Sr 421.552 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 5 Autosampler Location: 5

Sample ID: LCV LI/SR
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 2/14/2012 9:17:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCV LI/SR

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	635309.2	100.1	%	0.45				0.45%
Ag 328.068†	5570.5						97.17	1.74%
Al 308.215†	783.6	0.1980	mg/L	0.00071	198.0	µg/L	0.71	0.36%
As 188.979†	80.8	0.1898	mg/L	0.00832	189.8	µg/L	8.32	4.38%
B 249.677†	2788.7	0.2201	mg/L	0.00180	220.1	µg/L	1.80	0.82%
Ba 233.527†	3555.5	0.2064	mg/L	0.00138	206.4	µg/L	1.38	0.67%
Be 313.107†	147384.1	0.2011	mg/L	0.00052	201.1	µg/L	0.52	0.26%
Ca 317.933†	8280.7	0.2045	mg/L	0.00054	204.5	µg/L	0.54	0.26%
Cd 214.440†	7390.9	0.2014	mg/L	0.00145	201.4	µg/L	1.45	0.72%
Co 228.616†	1276.4	0.2071	mg/L	0.00124	207.1	µg/L	1.24	0.60%
Cr 205.560†	1212.5	0.2065	mg/L	0.00124	206.5	µg/L	1.24	0.60%
Cu 327.393†	6985.1	0.2086	mg/L	0.00230	208.6	µg/L	2.30	1.10%
Fe 238.204†	5447.5	0.2065	mg/L	0.00134	206.5	µg/L	1.34	0.65%
K 766.490†	14956.6	2.014	mg/L	0.0150	2014	µg/L	15.0	0.74%
Mg 279.077†	775.8	0.2069	mg/L	0.00391	206.9	µg/L	3.91	1.89%
Mn 257.610†	27267.5	0.2075	mg/L	0.00148	207.5	µg/L	1.48	0.71%
Mo 202.031†	667.0	0.2021	mg/L	0.00120	202.1	µg/L	1.20	0.59%
Na 589.592†	3856.4	0.2130	mg/L	0.00154	213.0	µg/L	1.54	0.72%
Ni 231.604†	1447.4	0.2094	mg/L	0.00158	209.4	µg/L	1.58	0.75%
Pb 220.353†	297.3	0.1986	mg/L	0.00392	198.6	µg/L	3.92	1.98%
Sb 206.836†	141.5	0.2179	mg/L	0.00285	217.9	µg/L	2.85	1.31%
Se 196.026†	105.8	0.2019	mg/L	0.01225	201.9	µg/L	12.25	6.07%
Sn 189.927†	-6.4	-0.0148	mg/L	0.00679	-14.82	µg/L	6.792	45.84%
Ti 334.940†	32085.4	0.1989	mg/L	0.00122	198.9	µg/L	1.22	0.61%
Tl 190.801†	20.6	0.2114	mg/L	0.01519	211.4	µg/L	15.19	7.19%
V 292.402†	7195.8	0.1982	mg/L	0.00163	198.2	µg/L	1.63	0.82%
Zn 206.200†	1966.2	0.2098	mg/L	0.00122	209.8	µg/L	1.22	0.58%
Li 670.784†	40510.6	0.2011	mg/L	0.00079	201.1	µg/L	0.79	0.39%
QC value within limits for Li 670.784 Recovery = 100.57%								
Sr 421.552†	255080.2	0.2024	mg/L	0.00070	202.4	µg/L	0.70	0.35%
QC value within limits for Sr 421.552 Recovery = 101.21%								

All analyte(s) passed QC.

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

Autosampler Location: 6
Date Collected: 2/14/2012 9:20:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: LCV

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	640996.6	101.0	%	0.66				0.66%
Ag 328.068†	590.7						6.85	1.16%
Unable to evaluate QC.								
Al 308.215†	831.2	0.2098	mg/L	0.00929	209.8	µg/L	9.29	4.43%
QC value within limits for Al 308.215 Recovery = 104.88%								
As 188.979†	87.0	0.2051	mg/L	0.01171	205.1	µg/L	11.71	5.71%
QC value within limits for As 188.979 Recovery = 102.56%								
B 249.677†	2706.6	0.2138	mg/L	0.00358	213.8	µg/L	3.58	1.68%
QC value within limits for B 249.677 Recovery = 106.92%								
Ba 233.527†	3648.9	0.2118	mg/L	0.00202	211.8	µg/L	2.02	0.96%
QC value within limits for Ba 233.527 Recovery = 105.90%								
Be 313.107†	4040.6	0.0055	mg/L	0.00002	5.514	µg/L	0.0170	0.31%
QC value within limits for Be 313.107 Recovery = 110.29%								
Ca 317.933†	21928.2	0.5416	mg/L	0.00785	541.6	µg/L	7.85	1.45%
QC value within limits for Ca 317.933 Recovery = 108.31%								
Cd 214.440†	180.9	0.0049	mg/L	0.00012	4.902	µg/L	0.1207	2.46%
QC value within limits for Cd 214.440 Recovery = 98.04%								
Co 228.616†	331.7	0.0538	mg/L	0.00077	53.82	µg/L	0.773	1.44%
QC value within limits for Co 228.616 Recovery = 107.64%								

Cr 205.560†	70.7	0.0120 mg/L	0.00082	12.04 µg/L	0.820	6.81%
QC value within limits for Cr 205.560 Recovery = 120.37%						
Cu 327.393†	941.9	0.0281 mg/L	0.00067	28.08 µg/L	0.675	2.40%
QC value within limits for Cu 327.393 Recovery = 112.34%						
Fe 238.204†	2878.1	0.1091 mg/L	0.00088	109.1 µg/L	0.88	0.80%
QC value within limits for Fe 238.204 Recovery = 109.09%						
K 766.490†	15519.2	2.090 mg/L	0.0190	2090 µg/L	19.0	0.91%
QC value within limits for K 766.490 Recovery = 104.51%						
Mg 279.077†	2010.7	0.5363 mg/L	0.01106	536.3 µg/L	11.06	2.06%
QC value within limits for Mg 279.077 Recovery = 107.26%						
Mn 257.610†	2119.8	0.0161 mg/L	0.00018	16.13 µg/L	0.182	1.13%
QC value within limits for Mn 257.610 Recovery = 107.54%						
Mo 202.031†	696.3	0.2110 mg/L	0.00167	211.0 µg/L	1.67	0.79%
QC value within limits for Mo 202.031 Recovery = 105.48%						
Na 589.592†	18993.0	1.049 mg/L	0.0086	1049 µg/L	8.6	0.82%
QC value within limits for Na 589.592 Recovery = 104.90%						
Ni 231.604†	301.8	0.0437 mg/L	0.00015	43.66 µg/L	0.154	0.35%
QC value within limits for Ni 231.604 Recovery = 109.16%						
Pb 220.353†	71.2	0.0476 mg/L	0.00170	47.59 µg/L	1.696	3.56%
QC value within limits for Pb 220.353 Recovery = 95.18%						
Sb 206.836†	46.2	0.0719 mg/L	0.00058	71.85 µg/L	0.577	0.80%
QC value within limits for Sb 206.836 Recovery = 119.75%						
Se 196.026†	112.7	0.2150 mg/L	0.00324	215.0 µg/L	3.24	1.51%
QC value within limits for Se 196.026 Recovery = 107.51%						
Sn 189.927†	90.8	0.2049 mg/L	0.00836	204.9 µg/L	8.36	4.08%
QC value within limits for Sn 189.927 Recovery = 102.46%						
Ti 334.940†	33716.2	0.2091 mg/L	0.00208	209.1 µg/L	2.08	1.00%
QC value within limits for Ti 334.940 Recovery = 104.53%						
Tl 190.801†	19.3	0.1971 mg/L	0.02421	197.1 µg/L	24.21	12.28%
QC value within limits for Tl 190.801 Recovery = 98.55%						
V 292.402†	1801.2	0.0496 mg/L	0.00053	49.60 µg/L	0.531	1.07%
QC value within limits for V 292.402 Recovery = 99.21%						
Zn 206.200†	215.0	0.0229 mg/L	0.00048	22.94 µg/L	0.476	2.08%
QC value within limits for Zn 206.200 Recovery = 114.68%						
Li 670.784†	245.0	0.0012 mg/L	0.00016	1.217 µg/L	0.1584	13.02%
QC value within limits for Li 670.784 Recovery = Not calculated						
Sr 421.552†	39.6	0.0000 mg/L	0.00002	0.0315 µg/L	0.02071	65.85%
QC value within limits for Sr 421.552 Recovery = Not calculated						

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 7
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/14/2012 9:24:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	632110.9	99.62	%	0.468				0.47%
Ag 328.068†	-337.1						6.56	1.95%
Al 308.215†	39146.4	9.879	mg/L	0.0293	9879	µg/L	29.3	0.30%
QC value within limits for Al 308.215 Recovery = 98.79%								
As 188.979†	2150.8	5.013	mg/L	0.0300	5013	µg/L	30.0	0.60%
QC value within limits for As 188.979 Recovery = 100.27%								
B 249.677†	31744.4	2.503	mg/L	0.0153	2503	µg/L	15.3	0.61%
QC value within limits for B 249.677 Recovery = 100.13%								
Ba 233.527†	42637.0	2.475	mg/L	0.0112	2475	µg/L	11.2	0.45%
QC value within limits for Ba 233.527 Recovery = 99.00%								
Be 313.107†	1848637.4	2.523	mg/L	0.0044	2523	µg/L	4.4	0.18%
QC value within limits for Be 313.107 Recovery = 100.91%								
Ca 317.933†	1025635.7	25.33	mg/L	0.066	25330	µg/L	65.9	0.26%
QC value within limits for Ca 317.933 Recovery = 101.32%								
Cd 214.440†	90232.2	2.459	mg/L	0.0130	2459	µg/L	13.0	0.53%
QC value within limits for Cd 214.440 Recovery = 98.37%								
Co 228.616†	15195.0	2.465	mg/L	0.0079	2465	µg/L	7.9	0.32%
QC value within limits for Co 228.616 Recovery = 98.61%								
Cr 205.560†	29710.3	5.060	mg/L	0.0140	5060	µg/L	14.0	0.28%
QC value within limits for Cr 205.560 Recovery = 101.20%								
Cu 327.393†	167705.0	5.006	mg/L	0.0110	5006	µg/L	11.0	0.22%

QC value within limits for Cu 327.393 Recovery = 100.12%

Fe 238.204†	267127.7	10.12 mg/L	0.021	10120 µg/L	21.3	0.21%
QC value within limits for Fe 238.204 Recovery = 101.25%						
K 766.490†	184841.2	24.90 mg/L	0.058	24900 µg/L	57.6	0.23%
QC value within limits for K 766.490 Recovery = 99.58%						
Mg 279.077†	93914.3	25.05 mg/L	0.087	25050 µg/L	87.3	0.35%
QC value within limits for Mg 279.077 Recovery = 100.20%						
Mn 257.610†	665608.6	5.065 mg/L	0.0100	5065 µg/L	10.0	0.20%
QC value within limits for Mn 257.610 Recovery = 101.30%						
Mo 202.031†	1671.6	0.5064 mg/L	0.00483	506.4 µg/L	4.83	0.95%
QC value within limits for Mo 202.031 Recovery = 101.29%						
Na 589.592†	454299.8	25.09 mg/L	0.020	25090 µg/L	20.0	0.08%
QC value within limits for Na 589.592 Recovery = 100.36%						
Ni 231.604†	35120.0	5.081 mg/L	0.0186	5081 µg/L	18.6	0.37%
QC value within limits for Ni 231.604 Recovery = 101.63%						
Pb 220.353†	3658.3	2.441 mg/L	0.0124	2441 µg/L	12.4	0.51%
QC value within limits for Pb 220.353 Recovery = 97.63%						
Sb 206.836†	1684.3	2.525 mg/L	0.0158	2525 µg/L	15.8	0.62%
QC value within limits for Sb 206.836 Recovery = 100.99%						
Se 196.026†	1344.3	2.565 mg/L	0.0065	2565 µg/L	6.5	0.25%
QC value within limits for Se 196.026 Recovery = 102.60%						
Sn 189.927†	1134.5	2.535 mg/L	0.0278	2535 µg/L	27.8	1.10%
QC value within limits for Sn 189.927 Recovery = 101.42%						
Ti 334.940†	81665.3	0.5064 mg/L	0.00103	506.4 µg/L	1.03	0.20%
QC value within limits for Ti 334.940 Recovery = 101.27%						
Tl 190.801†	253.1	2.518 mg/L	0.0416	2518 µg/L	41.6	1.65%
QC value within limits for Tl 190.801 Recovery = 100.70%						
V 292.402†	45832.2	1.262 mg/L	0.0047	1262 µg/L	4.7	0.37%
QC value within limits for V 292.402 Recovery = 100.98%						
Zn 206.200†	94761.6	10.12 mg/L	0.059	10120 µg/L	58.8	0.58%
QC value within limits for Zn 206.200 Recovery = 101.15%						
Li 670.784†	497129.3	2.468 mg/L	0.0053	2468 µg/L	5.3	0.21%
QC value within limits for Li 670.784 Recovery = 98.73%						
Sr 421.552†	3152047.9	2.501 mg/L	0.0077	2501 µg/L	7.7	0.31%
QC value within limits for Sr 421.552 Recovery = 100.05%						

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: SCV@LVM
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 2/14/2012 9:28:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: SCV@LVM

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	634839.4	100.1	%	0.13				0.13%
Ag 328.068†	100206.8						846.69	0.84%
Al 308.215†	15751.7	3.981	mg/L	0.0121	3981	µg/L	12.1	0.30%
QC value within limits for Al 308.215 Recovery = 99.52%								
As 188.979†	1725.0	4.049	mg/L	0.0237	4049	µg/L	23.7	0.58%
QC value within limits for As 188.979 Recovery = 101.23%								
B 249.677†	54396.9	4.294	mg/L	0.0180	4294	µg/L	18.0	0.42%
QC value greater than the upper limit for B 249.677 Recovery = 107.35%								
Ba 233.527†	71241.3	4.135	mg/L	0.0106	4135	µg/L	10.6	0.26%
QC value within limits for Ba 233.527 Recovery = 103.38%								
Be 313.107†	2957681.5	4.036	mg/L	0.0099	4036	µg/L	9.9	0.25%
QC value within limits for Be 313.107 Recovery = 100.89%								
Ca 317.933†	167807.1	4.144	mg/L	0.0111	4144	µg/L	11.1	0.27%
QC value within limits for Ca 317.933 Recovery = 103.61%								
Cd 214.440†	148323.5	4.041	mg/L	0.0120	4041	µg/L	12.0	0.30%
QC value within limits for Cd 214.440 Recovery = 101.03%								
Co 228.616†	25395.9	4.120	mg/L	0.0161	4120	µg/L	16.1	0.39%
QC value within limits for Co 228.616 Recovery = 103.00%								
Cr 205.560†	24275.9	4.134	mg/L	0.0104	4134	µg/L	10.4	0.25%
QC value within limits for Cr 205.560 Recovery = 103.34%								
Cu 327.393†	139377.5	4.162	mg/L	0.0103	4162	µg/L	10.3	0.25%
QC value within limits for Cu 327.393 Recovery = 104.04%								
Fe 238.204†	109477.8	4.150	mg/L	0.0083	4150	µg/L	8.3	0.20%
QC value within limits for Fe 238.204 Recovery = 103.74%								

Use BS AS SCV

K 766.490†	298862.2	40.25 mg/L	0.101	40250 µg/L	101.1	0.25%
QC value within limits for K 766.490 Recovery = 100.63%						
Mg 279.077†	15383.2	4.103 mg/L	0.0136	4103 µg/L	13.6	0.33%
QC value within limits for Mg 279.077 Recovery = 102.58%						
Mn 257.610†	546356.5	4.157 mg/L	0.0070	4157 µg/L	7.0	0.17%
QC value within limits for Mn 257.610 Recovery = 103.94%						
Mo 202.031†	13412.1	4.063 mg/L	0.0107	4063 µg/L	10.7	0.26%
QC value within limits for Mo 202.031 Recovery = 101.58%						
Na 589.592†	76333.8	4.216 mg/L	0.0058	4216 µg/L	5.8	0.14%
QC value greater than the upper limit for Na 589.592 Recovery = 105.40%						
Ni 231.604†	28891.3	4.180 mg/L	0.0051	4180 µg/L	5.1	0.12%
QC value within limits for Ni 231.604 Recovery = 104.50%						
Pb 220.353†	5970.5	3.989 mg/L	0.0085	3989 µg/L	8.5	0.21%
QC value within limits for Pb 220.353 Recovery = 99.72%						
Sb 206.836†	2739.2	4.217 mg/L	0.0145	4217 µg/L	14.5	0.34%
QC value greater than the upper limit for Sb 206.836 Recovery = 105.42%						
Se 196.026†	2130.6	4.065 mg/L	0.0146	4065 µg/L	14.6	0.36%
QC value within limits for Se 196.026 Recovery = 101.63%						
Sn 189.927†	-9.5	-0.0273 mg/L	0.00568	-27.35 µg/L	5.678	20.76%
Ti 334.940†	650703.9	4.035 mg/L	0.0024	4035 µg/L	2.4	0.06%
QC value within limits for Ti 334.940 Recovery = 100.87%						
Tl 190.801†	404.2	4.140 mg/L	0.0188	4140 µg/L	18.8	0.46%
QC value within limits for Tl 190.801 Recovery = 103.51%						
V 292.402†	145011.0	3.994 mg/L	0.0073	3994 µg/L	7.3	0.18%
QC value within limits for V 292.402 Recovery = 99.84%						
Zn 206.200†	39177.6	4.181 mg/L	0.0210	4181 µg/L	21.0	0.50%
QC value within limits for Zn 206.200 Recovery = 104.51%						
Li 670.784†	796046.7	3.952 mg/L	0.0064	3952 µg/L	6.4	0.16%
QC value within limits for Li 670.784 Recovery = 98.81%						
Sr 421.552†	5107508.9	4.053 mg/L	0.0066	4053 µg/L	6.6	0.16%
QC value within limits for Sr 421.552 Recovery = 101.33%						

QC Failed. Continue with analysis.

Sequence No.: 9
Sample ID: IFA@1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 2/14/2012 9:33:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IFA@1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	621987.1	98.02	%	0.427				0.44%
Ag 328.068†	4904.7						1399.23	28.53%
Unable to evaluate QC.								
Al 308.215†	995097.0	251.5	mg/L	0.62	251500	µg/L	616.8	0.25%
QC value within limits for Al 308.215 Recovery = 100.60%								
As 188.979†	17.2	0.0653	mg/L	0.01590	65.28	µg/L	15.896	24.35%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	313.2	0.0247	mg/L	0.00469	24.74	µg/L	4.687	18.94%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	45.0	0.0026	mg/L	0.00036	2.614	µg/L	0.3610	13.81%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	132.3	0.0002	mg/L	0.00025	0.1840	µg/L	0.25111	136.49%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	10352393.6	255.7	mg/L	0.37	255700	µg/L	372.9	0.15%
QC value within limits for Ca 317.933 Recovery = 102.27%								
Cd 214.440†	1355.2	-0.0036	mg/L	0.00034	-3.556	µg/L	0.3392	9.54%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	220.0	0.0357	mg/L	0.00123	35.70	µg/L	1.234	3.46%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	104.4	-0.0065	mg/L	0.00221	-6.469	µg/L	2.2107	34.18%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	-50.9	-0.0209	mg/L	0.00060	-20.94	µg/L	0.603	2.88%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	111.5	0.0042	mg/L	0.00027	4.228	µg/L	0.2656	6.28%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	557.6	0.0751	mg/L	0.01570	75.10	µg/L	15.697	20.90%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	-23.0	-0.0061	mg/L	0.00395	-6.130	µg/L	3.9520	64.47%

QC value within limits for Mg 279.077 Recovery = Not calculated

Mn 257.610†	391.2	0.0030 mg/L	0.00008	2.977 µg/L	0.0819	2.75%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-2.1	-0.0006 mg/L	0.00070	-0.6451 µg/L	0.70218	108.84%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	363.5	0.0201 mg/L	0.00480	20.08 µg/L	4.799	23.90%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	335197.8	48.50 mg/L	0.191	48500 µg/L	191.1	0.39%
QC value within limits for Ni 231.604 Recovery = 97.00%						
Pb 220.353†	75.9	-0.0132 mg/L	0.00351	-13.19 µg/L	3.506	26.58%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	215.3	-0.0055 mg/L	0.00479	-5.483 µg/L	4.7861	87.29%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	78.6	0.1501 mg/L	0.01364	150.1 µg/L	13.64	9.09%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	137.0	-0.0474 mg/L	0.00864	-47.40 µg/L	8.638	18.22%
Ti 334.940†	233.2	0.0014 mg/L	0.00014	1.446 µg/L	0.1356	9.38%
Tl 190.801†	83.7	0.0570 mg/L	0.01810	57.05 µg/L	18.097	31.72%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	106.2	0.0029 mg/L	0.00062	2.926 µg/L	0.6190	21.16%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	243.7	0.0008 mg/L	0.00130	0.8436 µg/L	1.29618	153.64%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Li 670.784†	909.7	0.0045 mg/L	0.00082	4.517 µg/L	0.8248	18.26%
QC value within limits for Li 670.784 Recovery = Not calculated						
Sr 421.552†	2446.1	0.0019 mg/L	0.00023	1.941 µg/L	0.2254	11.61%
QC value within limits for Sr 421.552 Recovery = Not calculated						

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 10 **Autosampler Location: 14**
Sample ID: IFA@2 **Date Collected: 2/14/2012 9:38:36 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: IFA@2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	601015.2	94.72	%	0.546				0.58%
Ag 328.068†	-6927.6						108.97	1.57%
Unable to evaluate QC.								
Al 308.215†	55.2	0.0140	mg/L	0.01901	13.96	µg/L	19.014	136.22%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.3	0.0788	mg/L	0.00752	78.84	µg/L	7.522	9.54%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-1592.4	-0.1258	mg/L	0.00106	-125.8	µg/L	1.06	0.84%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	1810.4	0.1051	mg/L	0.00075	105.1	µg/L	0.75	0.72%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	10.1	0.0000	mg/L	0.00004	0.0076	µg/L	0.04073	534.13%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	636.6	0.0157	mg/L	0.00775	15.72	µg/L	7.755	49.33%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	294.8	-0.0017	mg/L	0.00022	-1.732	µg/L	0.2189	12.64%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	263.6	0.0428	mg/L	0.00142	42.76	µg/L	1.417	3.31%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	-179.5	0.0060	mg/L	0.00069	5.966	µg/L	0.6887	11.54%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	93.4	0.0028	mg/L	0.00047	2.788	µg/L	0.4677	16.77%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	6426292.1	243.6	mg/L	1.65	243600	µg/L	1650.6	0.68%
QC value within limits for Fe 238.204 Recovery = 97.43%								
K 766.490†	1684.3	0.2269	mg/L	0.03388	226.9	µg/L	33.88	14.94%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	997348.9	266.0	mg/L	1.37	266000	µg/L	1365.9	0.51%
QC value within limits for Mg 279.077 Recovery = 106.41%								
Mn 257.610†	1570.3	0.0119	mg/L	0.00014	11.95	µg/L	0.136	1.14%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	15.7	0.0048	mg/L	0.00208	4.759	µg/L	2.0794	43.69%

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Na 589.592†          4708178.8       260.0 mg/L          1.42      260000 µg/L        1421.7   0.55%
   QC value within limits for Na 589.592  Recovery = 104.01%
Ni 231.604†               21.3       0.0031 mg/L       0.00110      3.084 µg/L        1.0995  35.65%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               21.9       0.0268 mg/L       0.00549      26.83 µg/L         5.487  20.45%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 206.836†              144.3      -0.0257 mg/L       0.00589     -25.72 µg/L         5.895  22.92%
   QC value within limits for Sb 206.836  Recovery = Not calculated
Se 196.026†               74.4       0.1419 mg/L       0.00841      141.9 µg/L          8.41   5.93%
   QC value within limits for Se 196.026  Recovery = Not calculated
Sn 189.927†               26.1       0.0591 mg/L       0.00241      59.13 µg/L         2.405   4.07%
Ti 334.940†              956.2       0.0059 mg/L       0.00018      5.929 µg/L        0.1759   2.97%
Tl 190.801†               86.7      -0.0184 mg/L       0.01391     -18.40 µg/L        13.907  75.59%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.402†               1148.9       0.0316 mg/L       0.00040      31.64 µg/L         0.402   1.27%
   QC value within limits for V 292.402  Recovery = Not calculated
Zn 206.200†               60.2       0.0065 mg/L       0.00054      6.451 µg/L        0.5377   8.33%
   QC value within limits for Zn 206.200  Recovery = Not calculated
Li 670.784†              1344.8       0.0067 mg/L       0.00037      6.677 µg/L        0.3707   5.55%
   QC value within limits for Li 670.784  Recovery = Not calculated
Sr 421.552†              467.5       0.0004 mg/L       0.00004     0.3710 µg/L       0.03621   9.76%
   QC value within limits for Sr 421.552  Recovery = Not calculated
All analyte(s) passed QC. One or more analytes were not evaluated.
```

Sequence No.: 11
Sample ID: IFA@3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 15
Date Collected: 2/14/2012 9:44:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IFA@3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	633752.5	99.88	%	0.597				0.60%
Ag 328.068†	931.3						31.26	3.36%
Unable to evaluate QC.								
Al 308.215†	237.7	0.0601	mg/L	0.00557	60.12	µg/L	5.570	9.27%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-12.9	-0.3326	mg/L	0.00752	-332.6	µg/L	7.52	2.26%
QC value less than the lower limit for As 188.979 Recovery = Not calculated								
B 249.677†	325.2	-0.0252	mg/L	0.00044	-25.21	µg/L	0.440	1.75%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	20.1	0.0012	mg/L	0.00010	1.169	µg/L	0.1036	8.86%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-4057.1	-0.0003	mg/L	0.00007	-0.2865	µg/L	0.06646	23.20%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	681.6	0.0168	mg/L	0.00254	16.83	µg/L	2.544	15.11%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-1509.2	-0.0135	mg/L	0.00022	-13.54	µg/L	0.219	1.62%
QC value less than the lower limit for Cd 214.440 Recovery = Not calculated								
Co 228.616†	41.7	0.0068	mg/L	0.00126	6.762	µg/L	1.2571	18.59%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	154041.4	26.24	mg/L	0.094	26240	µg/L	93.8	0.36%
QC value less than the lower limit for Cr 205.560 Recovery = 52.48%								
Cu 327.393†	1611819.2	48.13	mg/L	0.099	48130	µg/L	98.7	0.21%
QC value greater than the upper limit for Cu 327.393 Recovery = 240.65%								
Fe 238.204†	450.0	0.0171	mg/L	0.00230	17.05	µg/L	2.298	13.47%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	406.4	0.0547	mg/L	0.01377	54.74	µg/L	13.773	25.16%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	-1302.4	-0.3474	mg/L	0.00495	-347.4	µg/L	4.95	1.43%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	6690192.8	50.91	mg/L	0.395	50910	µg/L	395.0	0.78%
QC value within limits for Mn 257.610 Recovery = 101.82%								
Mo 202.031†	7.2	0.0022	mg/L	0.00035	2.194	µg/L	0.3456	15.75%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	1985.9	0.1097	mg/L	0.02054	109.7	µg/L	20.54	18.73%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	43.6	0.0063	mg/L	0.00075	6.310	µg/L	0.7507	11.90%
QC value within limits for Ni 231.604 Recovery = Not calculated								

Pb 220.353†	129.7	0.0762 mg/L	0.00641	76.24 µg/L	6.413	8.41%
QC value greater than the upper limit for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	289.9	0.0105 mg/L	0.00593	10.47 µg/L	5.926	56.61%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	27.7	0.0528 mg/L	0.00594	52.78 µg/L	5.941	11.26%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	1.0	0.0022 mg/L	0.00645	2.182 µg/L	6.4454	295.46%
Ti 334.940†	1885.8	0.0117 mg/L	0.00021	11.69 µg/L	0.213	1.83%
Tl 190.801†	12.4	0.1285 mg/L	0.00574	128.5 µg/L	5.74	4.47%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	284.0	0.0078 mg/L	0.00122	7.821 µg/L	1.2190	15.59%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	279.3	0.0115 mg/L	0.00087	11.45 µg/L	0.872	7.62%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Li 670.784†	586.9	0.0029 mg/L	0.00026	2.914 µg/L	0.2562	8.79%
QC value within limits for Li 670.784 Recovery = Not calculated						
Sr 421.552†	-180.0	-0.0001 mg/L	0.00002	-0.1428 µg/L	0.02350	16.46%
QC value within limits for Sr 421.552 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 12
Sample ID: BB21006-BLK2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 2/14/2012 9:49:49 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21006-BLK2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	637176.4	100.4	%	0.42				0.41%
Ag 328.068†	120.3						29.01	24.11%
Al 308.215†	8.3	0.0021	mg/L	0.00495	2.091	µg/L	4.9532	236.86%
As 188.979†	-0.3	-0.0006	mg/L	0.00529	-0.6158	µg/L	5.28767	858.67%
B 249.677†	68.0	0.0054	mg/L	0.00037	5.370	µg/L	0.3715	6.92%
Ba 233.527†	-3.0	-0.0002	mg/L	0.00025	-0.1734	µg/L	0.25131	144.91%
Be 313.107†	7.1	0.0000	mg/L	0.00001	0.0098	µg/L	0.00704	71.93%
Ca 317.933†	2.3	0.0001	mg/L	0.00204	0.0564	µg/L	2.03588	>999.9%
Cd 214.440†	-11.4	-0.0003	mg/L	0.00011	-0.3072	µg/L	0.10899	35.48%
Co 228.616†	-5.1	-0.0008	mg/L	0.00058	-0.8343	µg/L	0.57889	69.39%
Cr 205.560†	4.6	0.0008	mg/L	0.00082	0.7841	µg/L	0.82083	104.69%
Cu 327.393†	288.0	0.0086	mg/L	0.00243	8.600	µg/L	2.4279	28.23%
Fe 238.204†	28.7	0.0011	mg/L	0.00049	1.089	µg/L	0.4950	45.44%
K 766.490†	74.0	0.0100	mg/L	0.00432	9.965	µg/L	4.3214	43.37%
Mg 279.077†	10.4	0.0028	mg/L	0.00039	2.783	µg/L	0.3856	13.86%
Mn 257.610†	103.5	0.0008	mg/L	0.00015	0.7879	µg/L	0.15421	19.57%
Mo 202.031†	0.8	0.0002	mg/L	0.00082	0.2483	µg/L	0.82256	331.26%
Na 589.592†	285.6	0.0158	mg/L	0.00286	15.78	µg/L	2.861	18.13%
Ni 231.604†	2.8	0.0004	mg/L	0.00074	0.4033	µg/L	0.74180	183.94%
Pb 220.353†	-12.8	-0.0086	mg/L	0.00393	-8.588	µg/L	3.9302	45.76%
Sb 206.836†	-2.3	-0.0036	mg/L	0.00309	-3.646	µg/L	3.0914	84.79%
Se 196.026†	0.3	0.0006	mg/L	0.00552	0.5799	µg/L	5.51990	951.84%
Sn 189.927†	0.2	0.0004	mg/L	0.00140	0.3899	µg/L	1.40264	359.79%
Ti 334.940†	-5.7	0.0000	mg/L	0.00027	-0.0356	µg/L	0.26737	751.15%
Tl 190.801†	-2.7	-0.0282	mg/L	0.01933	-28.20	µg/L	19.328	68.54%
V 292.402†	7.4	0.0002	mg/L	0.00019	0.2026	µg/L	0.19325	95.39%
Zn 206.200†	-1.6	-0.0002	mg/L	0.00039	-0.1709	µg/L	0.39073	228.65%
Li 670.784†	66.3	0.0003	mg/L	0.00009	0.3290	µg/L	0.08840	26.87%
Sr 421.552†	-17.2	0.0000	mg/L	0.00002	-0.0136	µg/L	0.02030	148.76%

Sequence No.: 13
Sample ID: BB21006-BS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 2/14/2012 9:53:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21006-BS2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD

Y 360.073	637165.4	100.4	%	0.52				0.52%
Ag 328.068†	2682.3						19.64	0.73%
Al 308.215†	7848.7	1.976	mg/L	0.0187	1976	µg/L	18.7	0.95%
As 188.979†	212.0	0.5021	mg/L	0.00219	502.1	µg/L	2.19	0.44%
B 249.677†	6374.5	0.5032	mg/L	0.00436	503.2	µg/L	4.36	0.87%
Ba 233.527†	34947.9	2.029	mg/L	0.0140	2029	µg/L	14.0	0.69%
Be 313.107†	37990.2	0.0519	mg/L	0.00038	51.93	µg/L	0.381	0.73%
Ca 317.933†	414846.7	10.25	mg/L	0.038	10250	µg/L	38.5	0.38%
Cd 214.440†	1790.1	0.0486	mg/L	0.00039	48.65	µg/L	0.389	0.80%
Co 228.616†	3108.0	0.5042	mg/L	0.00343	504.2	µg/L	3.43	0.68%
Cr 205.560†	3031.4	0.5169	mg/L	0.00285	516.9	µg/L	2.85	0.55%
Cu 327.393†	17554.9	0.5234	mg/L	0.00429	523.4	µg/L	4.29	0.82%
Fe 238.204†	134396.1	5.094	mg/L	0.0309	5094	µg/L	30.9	0.61%
K 766.490†	148579.2	20.01	mg/L	0.043	20010	µg/L	43.2	0.22%
Mg 279.077†	38381.5	10.24	mg/L	0.060	10240	µg/L	60.4	0.59%
Mn 257.610†	67748.2	0.5155	mg/L	0.00327	515.5	µg/L	3.27	0.64%
Mo 202.031†	1727.7	0.5234	mg/L	0.00188	523.4	µg/L	1.88	0.36%
Na 589.592†	186398.0	10.29	mg/L	0.058	10290	µg/L	57.5	0.56%
Ni 231.604†	3576.2	0.5174	mg/L	0.00400	517.4	µg/L	4.00	0.77%
Pb 220.353†	718.5	0.4801	mg/L	0.00302	480.1	µg/L	3.02	0.63%
Sb 206.836†	353.9	0.5373	mg/L	0.00578	537.3	µg/L	5.78	1.08%
Se 196.026†	273.1	0.5212	mg/L	0.00544	521.2	µg/L	5.44	1.04%
Sn 189.927†	236.1	0.5207	mg/L	0.00541	520.7	µg/L	5.41	1.04%
Ti 334.940†	84579.0	0.5244	mg/L	0.00416	524.4	µg/L	4.16	0.79%
Tl 190.801†	51.8	0.5013	mg/L	0.02531	501.3	µg/L	25.31	5.05%
V 292.402†	18340.8	0.5051	mg/L	0.00234	505.1	µg/L	2.34	0.46%
Zn 206.200†	4835.8	0.5159	mg/L	0.00318	515.9	µg/L	3.18	0.62%
Li 670.784†	99886.8	0.4959	mg/L	0.00091	495.9	µg/L	0.91	0.18%
Sr 421.552†	641252.4	0.5089	mg/L	0.00223	508.9	µg/L	2.23	0.44%

use ASSCV 101%

use AS SCV 104%

Sequence No.: 14
Sample ID: 1202004-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 2/14/2012 9:57:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-01

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	639824.9	100.8	%	0.09				0.09%
Ag 328.068†	52.6						23.29	44.25%
Al 308.215†	2.2	-0.0299	mg/L	0.00677	-29.93	µg/L	6.772	22.63%
As 188.979†	0.4	0.0033	mg/L	0.00515	3.255	µg/L	5.1492	158.19%
B 249.677†	215.6	0.0170	mg/L	0.00064	17.04	µg/L	0.640	3.75%
Ba 233.527†	672.3	0.0390	mg/L	0.00042	39.02	µg/L	0.417	1.07%
Be 313.107†	-15.1	0.0000	mg/L	0.00005	-0.0198	µg/L	0.04687	236.94%
Ca 317.933†	1283706.3	31.70	mg/L	0.091	31700	µg/L	90.7	0.29%
Cd 214.440†	-13.4	-0.0004	mg/L	0.00008	-0.3600	µg/L	0.08227	22.85%
Co 228.616†	3.7	0.0006	mg/L	0.00044	0.6062	µg/L	0.44131	72.80%
Cr 205.560†	23.8	0.0041	mg/L	0.00013	4.064	µg/L	0.1285	3.16%
Cu 327.393†	252.7	0.0051	mg/L	0.00116	5.137	µg/L	1.1641	22.66%
Fe 238.204†	342.2	0.0130	mg/L	0.00033	12.97	µg/L	0.335	2.58%
K 766.490†	7033.7	0.9474	mg/L	0.00399	947.4	µg/L	3.99	0.42%
Mg 279.077†	16888.8	4.505	mg/L	0.0132	4505	µg/L	13.2	0.29%
Mn 257.610†	32.9	0.0003	mg/L	0.00010	0.2504	µg/L	0.09726	38.85%
Mo 202.031†	3.9	0.0012	mg/L	0.00052	1.191	µg/L	0.5238	43.99%
Na 589.592†	120587.0	6.660	mg/L	0.0359	6660	µg/L	35.9	0.54%
Ni 231.604†	3.6	0.0005	mg/L	0.00051	0.5197	µg/L	0.51435	98.97%
Pb 220.353†	-27.0	-0.0181	mg/L	0.00398	-18.09	µg/L	3.977	21.98%
Sb 206.836†	0.3	-0.0014	mg/L	0.00780	-1.432	µg/L	7.7958	544.53%
Se 196.026†	8.1	0.0154	mg/L	0.00523	15.38	µg/L	5.233	34.02%
Sn 189.927†	21.5	0.0043	mg/L	0.01142	4.326	µg/L	11.4178	263.91%
Ti 334.940†	-2.1	0.0000	mg/L	0.00016	-0.0128	µg/L	0.15828	>999.9%
Tl 190.801†	8.2	0.0771	mg/L	0.03157	77.11	µg/L	31.573	40.95%
V 292.402†	13.4	0.0004	mg/L	0.00037	0.3694	µg/L	0.36976	100.09%
Zn 206.200†	9.1	0.0010	mg/L	0.00018	0.9688	µg/L	0.18056	18.64%
Li 670.784†	1814.6	0.0090	mg/L	0.00028	9.010	µg/L	0.2758	3.06%
Sr 421.552†	187567.3	0.1488	mg/L	0.00104	148.8	µg/L	1.04	0.70%

Sequence No.: 15
Sample ID: BB1006-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 2/14/2012 10:00:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB1006-DUP2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	638926.7	100.7	%	0.46				0.46%
Ag 328.068†	16.2						27.71	171.16%
Al 308.215†	4.9	-0.0295	mg/L	0.00464	-29.50	µg/L	4.641	15.73%
As 188.979†	3.0	0.0093	mg/L	0.01095	9.321	µg/L	10.9527	117.50%
B 249.677†	183.6	0.0145	mg/L	0.00029	14.50	µg/L	0.288	1.99%
Ba 233.527†	679.4	0.0394	mg/L	0.00028	39.44	µg/L	0.278	0.70%
Be 313.107†	-14.0	0.0000	mg/L	0.00002	-0.0183	µg/L	0.01668	91.13%
Ca 317.933†	1294625.1	31.97	mg/L	0.094	31970	µg/L	93.5	0.29%
Cd 214.440†	-12.0	-0.0003	mg/L	0.00016	-0.3229	µg/L	0.15926	49.33%
Co 228.616†	2.0	0.0003	mg/L	0.00141	0.3233	µg/L	1.41141	436.56%
Cr 205.560†	21.8	0.0037	mg/L	0.00073	3.707	µg/L	0.7255	19.57%
Cu 327.393†	236.6	0.0046	mg/L	0.00038	4.637	µg/L	0.3809	8.22%
Fe 238.204†	268.0	0.0102	mg/L	0.00025	10.16	µg/L	0.255	2.51%
K 766.490†	7088.6	0.9548	mg/L	0.01342	954.8	µg/L	13.42	1.41%
Mg 279.077†	17001.3	4.535	mg/L	0.0270	4535	µg/L	27.0	0.60%
Mn 257.610†	19.5	0.0001	mg/L	0.00004	0.1483	µg/L	0.04083	27.53%
Mo 202.031†	-2.1	-0.0006	mg/L	0.00022	-0.6496	µg/L	0.22398	34.48%
Na 589.592†	121108.4	6.689	mg/L	0.0395	6689	µg/L	39.5	0.59%
Ni 231.604†	1.0	0.0001	mg/L	0.00019	0.1382	µg/L	0.19359	140.05%
Pb 220.353†	-32.1	-0.0215	mg/L	0.00247	-21.46	µg/L	2.472	11.52%
Sb 206.836†	3.5	0.0035	mg/L	0.01122	3.549	µg/L	11.2167	316.08%
Se 196.026†	11.5	0.0218	mg/L	0.00430	21.85	µg/L	4.295	19.66%
Sn 189.927†	25.9	0.0139	mg/L	0.00325	13.92	µg/L	3.254	23.38%
Ti 334.940†	-39.3	-0.0002	mg/L	0.00006	-0.2438	µg/L	0.05678	23.29%
Tl 190.801†	6.6	0.0611	mg/L	0.01696	61.07	µg/L	16.956	27.77%
V 292.402†	27.0	0.0007	mg/L	0.00032	0.7449	µg/L	0.31515	42.31%
Zn 206.200†	8.5	0.0009	mg/L	0.00018	0.9000	µg/L	0.18118	20.13%
Li 670.784†	1904.7	0.0095	mg/L	0.00043	9.457	µg/L	0.4342	4.59%
Sr 421.552†	187923.6	0.1491	mg/L	0.00102	149.1	µg/L	1.02	0.68%

Sequence No.: 16
Sample ID: 1202004-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 2/14/2012 10:04:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-02

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	640002.5	100.9	%	0.34				0.34%
Ag 328.068†	26.9						39.66	147.51%
Al 308.215†	0.3	-0.0302	mg/L	0.00806	-30.16	µg/L	8.060	26.72%
As 188.979†	0.6	0.0036	mg/L	0.00608	3.587	µg/L	6.0788	169.45%
B 249.677†	172.9	0.0137	mg/L	0.00143	13.66	µg/L	1.432	10.49%
Ba 233.527†	657.8	0.0382	mg/L	0.00009	38.18	µg/L	0.088	0.23%
Be 313.107†	-15.6	0.0000	mg/L	0.00004	-0.0203	µg/L	0.03696	182.25%
Ca 317.933†	1273629.7	31.46	mg/L	0.064	31460	µg/L	64.0	0.20%
Cd 214.440†	-15.9	-0.0004	mg/L	0.00007	-0.4298	µg/L	0.07338	17.07%
Co 228.616†	2.3	0.0004	mg/L	0.00067	0.3656	µg/L	0.66607	182.18%
Cr 205.560†	27.9	0.0048	mg/L	0.00057	4.756	µg/L	0.5691	11.97%
Cu 327.393†	173.8	0.0028	mg/L	0.00053	2.802	µg/L	0.5320	18.99%
Fe 238.204†	52.0	0.0020	mg/L	0.00026	1.972	µg/L	0.2574	13.06%
K 766.490†	6913.9	0.9312	mg/L	0.01133	931.2	µg/L	11.33	1.22%
Mg 279.077†	16769.1	4.473	mg/L	0.0142	4473	µg/L	14.2	0.32%
Mn 257.610†	-16.7	-0.0001	mg/L	0.00005	-0.1272	µg/L	0.04723	37.14%
Mo 202.031†	-3.7	-0.0011	mg/L	0.00172	-1.125	µg/L	1.7197	152.83%
Na 589.592†	119992.2	6.627	mg/L	0.0375	6627	µg/L	37.5	0.57%
Ni 231.604†	1.2	0.0002	mg/L	0.00100	0.1709	µg/L	1.00363	587.37%
Pb 220.353†	-27.4	-0.0183	mg/L	0.00355	-18.30	µg/L	3.547	19.38%
Sb 206.836†	-0.2	-0.0022	mg/L	0.00455	-2.168	µg/L	4.5472	209.71%

Se 196.026†	12.9	0.0246 mg/L	0.00247	24.56 µg/L	2.471	10.06%
Sn 189.927†	25.8	0.0144 mg/L	0.00547	14.38 µg/L	5.465	38.00%
Ti 334.940†	-16.3	-0.0001 mg/L	0.00006	-0.1008 µg/L	0.05992	59.46%
Tl 190.801†	9.4	0.0901 mg/L	0.00657	90.08 µg/L	6.572	7.30%
V 292.402†	28.8	0.0008 mg/L	0.00031	0.7945 µg/L	0.31444	39.58%
Zn 206.200†	6.8	0.0007 mg/L	0.00023	0.7230 µg/L	0.22632	31.30%
Li 670.784†	1757.9	0.0087 mg/L	0.00046	8.728 µg/L	0.4596	5.27%
Sr 421.552†	187420.6	0.1487 mg/L	0.00095	148.7 µg/L	0.95	0.64%

Sequence No.: 17
Sample ID: 1202004-03
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 2/14/2012 10:08:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-03

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641383.4	101.1	%	0.60				0.60%
Ag 328.068†	-38.6						32.84	85.07%
Al 308.215†	6.2	-0.0289	mg/L	0.00280	-28.87	µg/L	2.796	9.69%
As 188.979†	1.9	0.0068	mg/L	0.00085	6.751	µg/L	0.8530	12.64%
B 249.677†	171.3	0.0135	mg/L	0.00068	13.54	µg/L	0.684	5.05%
Ba 233.527†	665.1	0.0386	mg/L	0.00056	38.61	µg/L	0.555	1.44%
Be 313.107†	-24.9	0.0000	mg/L	0.00007	-0.0332	µg/L	0.06675	201.10%
Ca 317.933†	1281492.8	31.65	mg/L	0.322	31650	µg/L	321.9	1.02%
Cd 214.440†	-18.0	-0.0005	mg/L	0.00007	-0.4864	µg/L	0.07376	15.17%
Co 228.616†	4.7	0.0008	mg/L	0.00097	0.7638	µg/L	0.97043	127.05%
Cr 205.560†	23.0	0.0039	mg/L	0.00010	3.927	µg/L	0.1007	2.56%
Cu 327.393†	258.4	0.0053	mg/L	0.00069	5.310	µg/L	0.6925	13.04%
Fe 238.204†	158.9	0.0060	mg/L	0.00041	6.023	µg/L	0.4125	6.85%
K 766.490†	6891.7	0.9282	mg/L	0.00681	928.2	µg/L	6.81	0.73%
Mg 279.077†	16827.8	4.488	mg/L	0.0491	4488	µg/L	49.1	1.09%
Mn 257.610†	-4.2	0.0000	mg/L	0.00010	-0.0321	µg/L	0.10443	325.80%
Mo 202.031†	-4.1	-0.0012	mg/L	0.00056	-1.248	µg/L	0.5556	44.54%
Na 589.592†	120983.7	6.682	mg/L	0.0658	6682	µg/L	65.8	0.99%
Ni 231.604†	1.2	0.0002	mg/L	0.00018	0.1715	µg/L	0.18078	105.39%
Pb 220.353†	-28.4	-0.0190	mg/L	0.00365	-19.03	µg/L	3.650	19.18%
Sb 206.836†	-2.0	-0.0050	mg/L	0.00868	-4.990	µg/L	8.6753	173.86%
Se 196.026†	5.4	0.0103	mg/L	0.00516	10.25	µg/L	5.156	50.28%
Sn 189.927†	23.1	0.0081	mg/L	0.00753	8.139	µg/L	7.5286	92.50%
Ti 334.940†	-30.2	-0.0002	mg/L	0.00031	-0.1870	µg/L	0.30663	163.94%
Tl 190.801†	8.0	0.0754	mg/L	0.01033	75.37	µg/L	10.327	13.70%
V 292.402†	31.3	0.0009	mg/L	0.00023	0.8622	µg/L	0.23017	26.69%
Zn 206.200†	9.2	0.0010	mg/L	0.00067	0.9841	µg/L	0.67009	68.10%
Li 670.784†	1731.3	0.0086	mg/L	0.00015	8.596	µg/L	0.1527	1.78%
Sr 421.552†	188929.3	0.1499	mg/L	0.00161	149.9	µg/L	1.61	1.08%

Sequence No.: 18
Sample ID: 1202004-04
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 2/14/2012 10:11:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-04

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	629468.1	99.20	%	1.091				1.10%
Ag 328.068†	2.3						15.09	658.40%
Al 308.215†	-4.8	-0.0318	mg/L	0.00176	-31.85	µg/L	1.757	5.52%
As 188.979†	1.7	0.0063	mg/L	0.00624	6.281	µg/L	6.2448	99.42%
B 249.677†	163.6	0.0129	mg/L	0.00018	12.93	µg/L	0.181	1.40%
Ba 233.527†	668.9	0.0388	mg/L	0.00046	38.83	µg/L	0.456	1.17%
Be 313.107†	-5.0	0.0000	mg/L	0.00001	-0.0060	µg/L	0.00527	88.07%
Ca 317.933†	1289554.1	31.85	mg/L	0.162	31850	µg/L	161.9	0.51%
Cd 214.440†	-5.0	-0.0001	mg/L	0.00006	-0.1312	µg/L	0.05718	43.57%
Co 228.616†	4.2	0.0007	mg/L	0.00048	0.6741	µg/L	0.47521	70.50%
Cr 205.560†	25.2	0.0043	mg/L	0.00100	4.299	µg/L	1.0033	23.34%

Cu 327.393†	162.8	0.0024 mg/L	0.00044	2.443 µg/L	0.4357	17.83%
Fe 238.204†	20.6	0.0008 mg/L	0.00034	0.7825 µg/L	0.33788	43.18%
K 766.490†	6981.4	0.9403 mg/L	0.00552	940.3 µg/L	5.52	0.59%
Mg 279.077†	16895.7	4.507 mg/L	0.0104	4507 µg/L	10.4	0.23%
Mn 257.610†	23.4	0.0002 mg/L	0.00008	0.1777 µg/L	0.07748	43.60%
Mo 202.031†	2.3	0.0007 mg/L	0.00119	0.7092 µg/L	1.18731	167.43%
Na 589.592†	120549.9	6.658 mg/L	0.0213	6658 µg/L	21.3	0.32%
Ni 231.604†	-5.8	-0.0008 mg/L	0.00078	-0.8362 µg/L	0.77876	93.13%
Pb 220.353†	-27.7	-0.0185 mg/L	0.00196	-18.50 µg/L	1.964	10.62%
Sb 206.836†	6.0	0.0076 mg/L	0.00308	7.580 µg/L	3.0820	40.66%
Se 196.026†	8.7	0.0166 mg/L	0.01179	16.56 µg/L	11.789	71.18%
Sn 189.927†	24.9	0.0119 mg/L	0.00405	11.88 µg/L	4.051	34.11%
Ti 334.940†	-21.8	-0.0001 mg/L	0.00018	-0.1354 µg/L	0.17897	132.19%
Tl 190.801†	9.8	0.0934 mg/L	0.01236	93.36 µg/L	12.359	13.24%
V 292.402†	19.1	0.0005 mg/L	0.00028	0.5249 µg/L	0.27699	52.77%
Zn 206.200†	12.3	0.0013 mg/L	0.00024	1.315 µg/L	0.2422	18.42%
Li 670.784†	1779.6	0.0088 mg/L	0.00040	8.836 µg/L	0.3957	4.48%
Sr 421.552†	186823.1	0.1483 mg/L	0.00024	148.3 µg/L	0.24	0.16%

Sequence No.: 19
Sample ID: 1202004-06
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 2/14/2012 10:15:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-06

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	629009.4	99.13	%	0.726				0.73%
Ag 328.068†	15.8						42.48	269.36%
Al 308.215†	-12.7	-0.0211	mg/L	0.00554	-21.11	µg/L	5.541	26.25%
As 188.979†	-1.4	-0.0021	mg/L	0.00444	-2.092	µg/L	4.4361	212.02%
B 249.677†	132.8	0.0105	mg/L	0.00006	10.48	µg/L	0.061	0.58%
Ba 233.527†	548.9	0.0319	mg/L	0.00032	31.86	µg/L	0.317	1.00%
Be 313.107†	-20.1	0.0000	mg/L	0.00003	-0.0270	µg/L	0.03379	125.34%
Ca 317.933†	753496.3	18.61	mg/L	0.090	18610	µg/L	90.0	0.48%
Cd 214.440†	1.7	0.0000	mg/L	0.00028	0.0358	µg/L	0.27795	776.50%
Co 228.616†	5.6	0.0009	mg/L	0.00053	0.9062	µg/L	0.53424	58.96%
Cr 205.560†	12.6	0.0022	mg/L	0.00094	2.200	µg/L	0.9370	42.60%
Cu 327.393†	223.5	0.0053	mg/L	0.00075	5.261	µg/L	0.7484	14.23%
Fe 238.204†	9651.1	0.3658	mg/L	0.00229	365.8	µg/L	2.29	0.63%
K 766.490†	7293.9	0.9824	mg/L	0.00507	982.4	µg/L	5.07	0.52%
Mg 279.077†	9180.2	2.449	mg/L	0.0178	2449	µg/L	17.8	0.73%
Mn 257.610†	968.3	0.0074	mg/L	0.00008	7.368	µg/L	0.0790	1.07%
Mo 202.031†	0.8	0.0002	mg/L	0.00080	0.2312	µg/L	0.79619	344.32%
Na 589.592†	176911.0	9.771	mg/L	0.0452	9771	µg/L	45.2	0.46%
Ni 231.604†	2.1	0.0003	mg/L	0.00072	0.2997	µg/L	0.71826	239.64%
Pb 220.353†	-19.6	-0.0131	mg/L	0.00298	-13.09	µg/L	2.978	22.74%
Sb 206.836†	1.0	0.0004	mg/L	0.00797	0.3621	µg/L	7.97431	>999.9%
Se 196.026†	4.8	0.0092	mg/L	0.00232	9.233	µg/L	2.3152	25.08%
Sn 189.927†	11.0	-0.0011	mg/L	0.00186	-1.061	µg/L	1.8587	175.22%
Ti 334.940†	-4.0	0.0000	mg/L	0.00027	-0.0250	µg/L	0.26507	>999.9%
Tl 190.801†	3.9	0.0356	mg/L	0.03093	35.59	µg/L	30.926	86.90%
V 292.402†	7.3	0.0002	mg/L	0.00019	0.2003	µg/L	0.19313	96.39%
Zn 206.200†	89.6	0.0096	mg/L	0.00013	9.568	µg/L	0.1259	1.32%
Li 670.784†	344.8	0.0017	mg/L	0.00007	1.712	µg/L	0.0732	4.27%
Sr 421.552†	50003.0	0.0397	mg/L	0.00017	39.68	µg/L	0.171	0.43%

Sequence No.: 20
Sample ID: BB1006-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 2/14/2012 10:19:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB1006-MS2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	639649.6	100.8	%	0.20				0.20%

Ag 328.068†	2560.6					34.53	1.35%
Al 308.215†	7884.3	1.967	mg/L	0.0116	1967 µg/L	11.6	0.59%
As 188.979†	220.2	0.5220	mg/L	0.01286	522.0 µg/L	12.86	2.46%
B 249.677†	6470.2	0.5107	mg/L	0.00492	510.7 µg/L	4.92	0.96%
Ba 233.527†	35437.1	2.057	mg/L	0.0058	2057 µg/L	5.8	0.28%
Be 313.107†	38049.3	0.0520	mg/L	0.00022	52.01 µg/L	0.221	0.42%
Ca 317.933†	1156671.8	28.57	mg/L	0.022	28570 µg/L	21.6	0.08%
Cd 214.440†	1778.3	0.0483	mg/L	0.00011	48.31 µg/L	0.108	0.22%
Co 228.616†	3094.2	0.5020	mg/L	0.00213	502.0 µg/L	2.13	0.42%
Cr 205.560†	3027.2	0.5162	mg/L	0.00117	516.2 µg/L	1.17	0.23%
Cu 327.393†	17488.3	0.5200	mg/L	0.00155	520.0 µg/L	1.55	0.30%
Fe 238.204†	144154.3	5.464	mg/L	0.0155	5464 µg/L	15.5	0.28%
K 766.490†	156181.8	21.04	mg/L	0.022	21040 µg/L	21.9	0.10%
Mg 279.077†	47158.3	12.58	mg/L	0.040	12580 µg/L	40.0	0.32%
Mn 257.610†	68974.4	0.5249	mg/L	0.00206	524.9 µg/L	2.06	0.39%
Mo 202.031†	1722.4	0.5218	mg/L	0.00313	521.8 µg/L	3.13	0.60%
Na 589.592†	361205.7	19.95	mg/L	0.092	19950 µg/L	91.5	0.46%
Ni 231.604†	3527.9	0.5104	mg/L	0.00132	510.4 µg/L	1.32	0.26%
Pb 220.353†	707.9	0.4731	mg/L	0.00703	473.1 µg/L	7.03	1.49%
Sb 206.836†	358.0	0.5425	mg/L	0.00394	542.5 µg/L	3.94	0.73%
Se 196.026†	278.8	0.5319	mg/L	0.00759	531.9 µg/L	7.59	1.43%
Sn 189.927†	255.2	0.5384	mg/L	0.00865	538.4 µg/L	8.65	1.61%
Ti 334.940†	84325.9	0.5229	mg/L	0.00239	522.9 µg/L	2.39	0.46%
Tl 190.801†	57.6	0.5567	mg/L	0.00491	556.7 µg/L	4.91	0.88%
V 292.402†	18404.3	0.5068	mg/L	0.00229	506.8 µg/L	2.29	0.45%
Zn 206.200†	4919.4	0.5248	mg/L	0.00181	524.8 µg/L	1.81	0.34%
Li 670.784†	99991.3	0.4965	mg/L	0.00025	496.5 µg/L	0.25	0.05%
Sr 421.552†	691360.2	0.5486	mg/L	0.00293	548.6 µg/L	2.93	0.53%

Sequence No.: 21 **Autosampler Location: 26**
Sample ID: 1202004-07 **Date Collected: 2/14/2012 10:23:00 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1202004-07

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	635648.4	100.2	%	0.68				0.68%
Ag 328.068†	17.1						34.98	204.91%
Al 308.215†	14.9	-0.0137	mg/L	0.00395	-13.71	µg/L	3.954	28.83%
As 188.979†	-2.9	-0.0056	mg/L	0.00635	-5.556	µg/L	6.3493	114.29%
B 249.677†	165.2	0.0131	mg/L	0.00107	13.05	µg/L	1.068	8.19%
Ba 233.527†	531.6	0.0309	mg/L	0.00070	30.86	µg/L	0.704	2.28%
Be 313.107†	-40.8	-0.0001	mg/L	0.00004	-0.0551	µg/L	0.03612	65.59%
Ca 317.933†	736680.6	18.19	mg/L	0.124	18190	µg/L	124.2	0.68%
Cd 214.440†	-8.7	-0.0002	mg/L	0.00011	-0.2378	µg/L	0.11242	47.26%
Co 228.616†	2.8	0.0004	mg/L	0.00102	0.4474	µg/L	1.01958	227.87%
Cr 205.560†	17.5	0.0030	mg/L	0.00034	2.981	µg/L	0.3389	11.37%
Cu 327.393†	152.6	0.0032	mg/L	0.00030	3.175	µg/L	0.3000	9.45%
Fe 238.204†	1386.7	0.0526	mg/L	0.00030	52.56	µg/L	0.304	0.58%
K 766.490†	7176.2	0.9666	mg/L	0.01534	966.6	µg/L	15.34	1.59%
Mg 279.077†	8972.2	2.393	mg/L	0.0316	2393	µg/L	31.6	1.32%
Mn 257.610†	498.6	0.0038	mg/L	0.00012	3.794	µg/L	0.1198	3.16%
Mo 202.031†	-0.3	-0.0001	mg/L	0.00069	-0.0929	µg/L	0.68974	742.50%
Na 589.592†	173508.8	9.583	mg/L	0.0318	9583	µg/L	31.8	0.33%
Ni 231.604†	1.0	0.0001	mg/L	0.00040	0.1391	µg/L	0.39683	285.29%
Pb 220.353†	-19.3	-0.0129	mg/L	0.00296	-12.89	µg/L	2.956	22.94%
Sb 206.836†	2.5	0.0029	mg/L	0.00593	2.852	µg/L	5.9315	208.01%
Se 196.026†	2.4	0.0046	mg/L	0.00233	4.607	µg/L	2.3338	50.65%
Sn 189.927†	14.4	0.0071	mg/L	0.00400	7.099	µg/L	4.0043	56.40%
Ti 334.940†	7.4	0.0000	mg/L	0.00022	0.0461	µg/L	0.21869	474.46%
Tl 190.801†	5.2	0.0498	mg/L	0.01218	49.80	µg/L	12.183	24.47%
V 292.402†	3.7	0.0001	mg/L	0.00045	0.1018	µg/L	0.44791	440.03%
Zn 206.200†	76.2	0.0081	mg/L	0.00044	8.136	µg/L	0.4442	5.46%
Li 670.784†	335.3	0.0017	mg/L	0.00006	1.665	µg/L	0.0551	3.31%
Sr 421.552†	49104.6	0.0390	mg/L	0.00004	38.97	µg/L	0.042	0.11%

Sequence No.: 22 **Autosampler Location: 1**

Sample ID: IBL
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 2/14/2012 10:26:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IBL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	645876.4	101.8	%	0.29				0.28%
Ag 328.068†	61.6						10.49	17.01%
Unable to evaluate QC.								
Al 308.215†	-19.9	-0.0050	mg/L	0.00641	-5.027	µg/L	6.4108	127.52%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.7	-0.0016	mg/L	0.01074	-1.597	µg/L	10.7428	672.58%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	43.5	0.0034	mg/L	0.00052	3.437	µg/L	0.5233	15.23%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	1.1	0.0001	mg/L	0.00044	0.0616	µg/L	0.43865	712.29%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	10.7	0.0000	mg/L	0.00001	0.0147	µg/L	0.01218	83.01%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	190.6	0.0047	mg/L	0.00235	4.706	µg/L	2.3458	49.84%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-15.9	-0.0004	mg/L	0.00020	-0.4312	µg/L	0.19633	45.53%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	-0.2	0.0000	mg/L	0.00065	-0.0287	µg/L	0.65487	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	1.4	0.0002	mg/L	0.00090	0.2344	µg/L	0.90455	385.89%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	34.0	0.0010	mg/L	0.00075	1.016	µg/L	0.7533	74.15%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	9.3	0.0004	mg/L	0.00023	0.3525	µg/L	0.22731	64.49%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	109.7	0.0148	mg/L	0.00599	14.78	µg/L	5.994	40.55%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	12.1	0.0032	mg/L	0.00366	3.229	µg/L	3.6622	113.41%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	-16.5	-0.0001	mg/L	0.00003	-0.1259	µg/L	0.03384	26.88%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-4.3	-0.0013	mg/L	0.00076	-1.302	µg/L	0.7618	58.53%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	330.9	0.0183	mg/L	0.00374	18.28	µg/L	3.739	20.46%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-1.5	-0.0002	mg/L	0.00044	-0.2121	µg/L	0.43521	205.20%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-10.8	-0.0072	mg/L	0.00141	-7.195	µg/L	1.4066	19.55%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	-6.5	-0.0103	mg/L	0.00338	-10.26	µg/L	3.377	32.90%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	-0.2	-0.0004	mg/L	0.00360	-0.3922	µg/L	3.59974	917.82%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.8	-0.0064	mg/L	0.00449	-6.376	µg/L	4.4930	70.47%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-24.4	-0.0002	mg/L	0.00007	-0.1515	µg/L	0.06768	44.69%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	-1.8	-0.0181	mg/L	0.00611	-18.09	µg/L	6.110	33.77%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	3.8	0.0001	mg/L	0.00031	0.1040	µg/L	0.30541	293.77%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	-4.9	-0.0005	mg/L	0.00005	-0.5226	µg/L	0.04759	9.11%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Li 670.784†	61.9	0.0003	mg/L	0.00026	0.3076	µg/L	0.26477	86.09%
QC value within limits for Li 670.784 Recovery = Not calculated								
Sr 421.552†	33.3	0.0000	mg/L	0.00003	0.0265	µg/L	0.03330	125.88%
QC value within limits for Sr 421.552 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 23
Sample ID: CCV@A/B
Analyst:

Autosampler Location: 8
Date Collected: 2/14/2012 10:30:18 AM
Data Type: Original

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

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	629385.6	99.19	%	0.313				0.32%
Ag 328.068†	-250.9						19.86	7.91%
Al 308.215†	39304.9	9.919	mg/L	0.0724	9919	µg/L	72.4	0.73%
QC value within limits for Al 308.215 Recovery = 99.19%								
As 188.979†	2154.7	5.023	mg/L	0.0209	5023	µg/L	20.9	0.42%
QC value within limits for As 188.979 Recovery = 100.45%								
B 249.677†	31898.5	2.515	mg/L	0.0249	2515	µg/L	24.9	0.99%
QC value within limits for B 249.677 Recovery = 100.61%								
Ba 233.527†	42790.2	2.484	mg/L	0.0114	2484	µg/L	11.4	0.46%
QC value within limits for Ba 233.527 Recovery = 99.35%								
Be 313.107†	1862921.3	2.542	mg/L	0.0051	2542	µg/L	5.1	0.20%
QC value within limits for Be 313.107 Recovery = 101.69%								
Ca 317.933†	1028879.6	25.41	mg/L	0.077	25410	µg/L	77.3	0.30%
QC value within limits for Ca 317.933 Recovery = 101.64%								
Cd 214.440†	90611.9	2.470	mg/L	0.0079	2470	µg/L	7.9	0.32%
QC value within limits for Cd 214.440 Recovery = 98.78%								
Co 228.616†	15378.9	2.495	mg/L	0.0122	2495	µg/L	12.2	0.49%
QC value within limits for Co 228.616 Recovery = 99.80%								
Cr 205.560†	29941.1	5.099	mg/L	0.0280	5099	µg/L	28.0	0.55%
QC value within limits for Cr 205.560 Recovery = 101.98%								
Cu 327.393†	169904.4	5.071	mg/L	0.0506	5071	µg/L	50.6	1.00%
QC value within limits for Cu 327.393 Recovery = 101.43%								
Fe 238.204†	267751.9	10.15	mg/L	0.024	10150	µg/L	24.5	0.24%
QC value within limits for Fe 238.204 Recovery = 101.49%								
K 766.490†	183645.7	24.74	mg/L	0.038	24740	µg/L	37.8	0.15%
QC value within limits for K 766.490 Recovery = 98.94%								
Mg 279.077†	94353.3	25.17	mg/L	0.143	25170	µg/L	143.4	0.57%
QC value within limits for Mg 279.077 Recovery = 100.67%								
Mn 257.610†	665577.2	5.065	mg/L	0.0103	5065	µg/L	10.3	0.20%
QC value within limits for Mn 257.610 Recovery = 101.29%								
Mo 202.031†	1682.1	0.5096	mg/L	0.00188	509.6	µg/L	1.88	0.37%
QC value within limits for Mo 202.031 Recovery = 101.92%								
Na 589.592†	458308.4	25.31	mg/L	0.083	25310	µg/L	83.0	0.33%
QC value within limits for Na 589.592 Recovery = 101.25%								
Ni 231.604†	35296.5	5.107	mg/L	0.0229	5107	µg/L	22.9	0.45%
QC value within limits for Ni 231.604 Recovery = 102.14%								
Pb 220.353†	3674.0	2.451	mg/L	0.0128	2451	µg/L	12.8	0.52%
QC value within limits for Pb 220.353 Recovery = 98.05%								
Sb 206.836†	1687.9	2.530	mg/L	0.0146	2530	µg/L	14.6	0.58%
QC value within limits for Sb 206.836 Recovery = 101.19%								
Se 196.026†	1341.7	2.560	mg/L	0.0109	2560	µg/L	10.9	0.43%
QC value within limits for Se 196.026 Recovery = 102.40%								
Sn 189.927†	1152.5	2.576	mg/L	0.0219	2576	µg/L	21.9	0.85%
QC value within limits for Sn 189.927 Recovery = 103.04%								
Ti 334.940†	82410.1	0.5110	mg/L	0.00405	511.0	µg/L	4.05	0.79%
QC value within limits for Ti 334.940 Recovery = 102.20%								
Tl 190.801†	250.9	2.494	mg/L	0.0219	2494	µg/L	21.9	0.88%
QC value within limits for Tl 190.801 Recovery = 99.78%								
V 292.402†	46001.8	1.267	mg/L	0.0086	1267	µg/L	8.6	0.68%
QC value within limits for V 292.402 Recovery = 101.35%								
Zn 206.200†	95372.5	10.18	mg/L	0.020	10180	µg/L	20.1	0.20%
QC value within limits for Zn 206.200 Recovery = 101.80%								
Li 670.784†	493933.7	2.452	mg/L	0.0020	2452	µg/L	2.0	0.08%
QC value within limits for Li 670.784 Recovery = 98.10%								
Sr 421.552†	3176210.9	2.520	mg/L	0.0115	2520	µg/L	11.5	0.46%
QC value within limits for Sr 421.552 Recovery = 100.82%								

All analyte(s) passed QC.

Sequence No.: 24 Autosampler Location: 27
Sample ID: 1202004-08 Date Collected: 2/14/2012 10:34:33 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: 1202004-08

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	638122.0	100.6	%	0.91				0.90%
Ag 328.068†	26.3						19.26	73.18%
Al 308.215†	-4.8	-0.0190	mg/L	0.00614	-19.03	µg/L	6.136	32.23%
As 188.979†	2.6	0.0073	mg/L	0.00851	7.253	µg/L	8.5080	117.31%
B 249.677†	322.2	0.0255	mg/L	0.00205	25.45	µg/L	2.051	8.06%
Ba 233.527†	547.2	0.0318	mg/L	0.00056	31.76	µg/L	0.564	1.78%
Be 313.107†	82.5	0.0001	mg/L	0.00005	0.1131	µg/L	0.04606	40.72%
Ca 317.933†	750485.3	18.54	mg/L	0.117	18540	µg/L	116.7	0.63%
Cd 214.440†	-0.8	0.0000	mg/L	0.00013	-0.0313	µg/L	0.13190	421.04%
Co 228.616†	-1.5	-0.0002	mg/L	0.00072	-0.2418	µg/L	0.71943	297.52%
Cr 205.560†	16.6	0.0029	mg/L	0.00144	2.888	µg/L	1.4393	49.83%
Cu 327.393†	315.4	0.0080	mg/L	0.00092	8.009	µg/L	0.9226	11.52%
Fe 238.204†	9628.7	0.3650	mg/L	0.00385	365.0	µg/L	3.85	1.05%
K 766.490†	7398.4	0.9965	mg/L	0.02055	996.5	µg/L	20.55	2.06%
Mg 279.077†	9114.0	2.431	mg/L	0.0379	2431	µg/L	37.9	1.56%
Mn 257.610†	981.8	0.0075	mg/L	0.00006	7.471	µg/L	0.0584	0.78%
Mo 202.031†	-1.7	-0.0005	mg/L	0.00053	-0.5294	µg/L	0.52926	99.97%
Na 589.592†	176808.1	9.765	mg/L	0.0346	9765	µg/L	34.6	0.35%
Ni 231.604†	0.3	0.0000	mg/L	0.00054	0.0430	µg/L	0.53968	>999.9%
Pb 220.353†	-18.8	-0.0126	mg/L	0.00154	-12.58	µg/L	1.536	12.21%
Sb 206.836†	12.6	0.0185	mg/L	0.00087	18.51	µg/L	0.867	4.68%
Se 196.026†	5.0	0.0095	mg/L	0.00508	9.522	µg/L	5.0799	53.35%
Sn 189.927†	11.3	-0.0004	mg/L	0.00968	-0.4228	µg/L	9.67686	>999.9%
Ti 334.940†	-6.5	0.0000	mg/L	0.00010	-0.0401	µg/L	0.09779	244.15%
Tl 190.801†	4.8	0.0448	mg/L	0.00183	44.83	µg/L	1.835	4.09%
V 292.402†	20.5	0.0006	mg/L	0.00024	0.5654	µg/L	0.24118	42.66%
Zn 206.200†	140.2	0.0150	mg/L	0.00002	14.97	µg/L	0.015	0.10%
Li 670.784†	514.9	0.0026	mg/L	0.00013	2.556	µg/L	0.1300	5.09%
Sr 421.552†	50253.5	0.0399	mg/L	0.00008	39.88	µg/L	0.082	0.21%

Sequence No.: 25
Sample ID: 1202004-09
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 28
Date Collected: 2/14/2012 10:38:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-09

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	638368.5	100.6	%	1.50				1.49%
Ag 328.068†	33.1						6.19	18.72%
Al 308.215†	15.1	-0.0141	mg/L	0.00550	-14.09	µg/L	5.496	39.02%
As 188.979†	0.2	0.0017	mg/L	0.00295	1.662	µg/L	2.9519	177.62%
B 249.677†	209.1	0.0165	mg/L	0.00109	16.52	µg/L	1.090	6.60%
Ba 233.527†	540.4	0.0314	mg/L	0.00076	31.37	µg/L	0.762	2.43%
Be 313.107†	8.3	0.0000	mg/L	0.00007	0.0118	µg/L	0.07137	605.77%
Ca 317.933†	753649.6	18.61	mg/L	0.168	18610	µg/L	168.1	0.90%
Cd 214.440†	-5.4	-0.0001	mg/L	0.00005	-0.1466	µg/L	0.04791	32.69%
Co 228.616†	2.1	0.0003	mg/L	0.00081	0.3464	µg/L	0.80942	233.70%
Cr 205.560†	14.1	0.0024	mg/L	0.00010	2.415	µg/L	0.0980	4.06%
Cu 327.393†	186.9	0.0042	mg/L	0.00050	4.166	µg/L	0.4986	11.97%
Fe 238.204†	1421.4	0.0539	mg/L	0.00059	53.87	µg/L	0.590	1.10%
K 766.490†	7324.0	0.9865	mg/L	0.02174	986.5	µg/L	21.74	2.20%
Mg 279.077†	9230.8	2.462	mg/L	0.0461	2462	µg/L	46.1	1.87%
Mn 257.610†	515.6	0.0039	mg/L	0.00017	3.923	µg/L	0.1740	4.44%
Mo 202.031†	0.6	0.0002	mg/L	0.00045	0.1798	µg/L	0.45062	250.57%
Na 589.592†	177270.0	9.791	mg/L	0.0220	9791	µg/L	22.0	0.22%
Ni 231.604†	2.2	0.0003	mg/L	0.00066	0.3188	µg/L	0.66369	208.20%
Pb 220.353†	-14.9	-0.0100	mg/L	0.00223	-9.993	µg/L	2.2256	22.27%
Sb 206.836†	6.9	0.0097	mg/L	0.00445	9.748	µg/L	4.4534	45.69%
Se 196.026†	2.0	0.0038	mg/L	0.00847	3.802	µg/L	8.4663	222.68%
Sn 189.927†	9.0	-0.0056	mg/L	0.00546	-5.597	µg/L	5.4603	97.55%
Ti 334.940†	-2.3	0.0000	mg/L	0.00011	-0.0143	µg/L	0.11254	787.46%
Tl 190.801†	4.5	0.0424	mg/L	0.00908	42.40	µg/L	9.079	21.42%
V 292.402†	4.4	0.0001	mg/L	0.00058	0.1200	µg/L	0.58224	485.39%
Zn 206.200†	83.8	0.0089	mg/L	0.00053	8.942	µg/L	0.5289	5.92%

Li 670.784†	405.0	0.0020 mg/L	0.00017	2.011 µg/L	0.1659	8.25%
Sr 421.552†	50325.6	0.0399 mg/L	0.00008	39.94 µg/L	0.076	0.19%

Sequence No.: 26
Sample ID: 1202004-11
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 2/14/2012 10:41:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-11

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	643630.4	101.4	%	1.25				1.23%
Ag 328.068†	-4.4						46.83	>999.9%
Al 308.215†	50.0	-0.0137	mg/L	0.00880	-13.71	µg/L	8.799	64.18%
As 188.979†	-1.1	-0.0001	mg/L	0.00520	-0.0914	µg/L	5.19911	>999.9%
B 249.677†	358.3	0.0283	mg/L	0.00101	28.31	µg/L	1.010	3.57%
Ba 233.527†	3329.1	0.1932	mg/L	0.00207	193.2	µg/L	2.07	1.07%
Be 313.107†	13.1	0.0000	mg/L	0.00005	0.0186	µg/L	0.04553	245.24%
Ca 317.933†	1110137.8	27.42	mg/L	0.300	27420	µg/L	299.7	1.09%
Cd 214.440†	-12.4	-0.0003	mg/L	0.00010	-0.3380	µg/L	0.09688	28.66%
Co 228.616†	-2.9	-0.0005	mg/L	0.00032	-0.4710	µg/L	0.31910	67.75%
Cr 205.560†	19.1	0.0033	mg/L	0.00080	3.261	µg/L	0.7980	24.47%
Cu 327.393†	312.6	0.0073	mg/L	0.00069	7.251	µg/L	0.6910	9.53%
Fe 238.204†	1897.2	0.0719	mg/L	0.00071	71.91	µg/L	0.713	0.99%
K 766.490†	9650.2	1.300	mg/L	0.0252	1300	µg/L	25.2	1.94%
Mg 279.077†	19141.6	5.106	mg/L	0.0858	5106	µg/L	85.8	1.68%
Mn 257.610†	523.7	0.0040	mg/L	0.00012	3.985	µg/L	0.1182	2.97%
Mo 202.031†	1.8	0.0005	mg/L	0.00091	0.5376	µg/L	0.90748	168.79%
Na 589.592†	263086.9	14.53	mg/L	0.135	14530	µg/L	135.3	0.93%
Ni 231.604†	-2.6	-0.0004	mg/L	0.00070	-0.3725	µg/L	0.70265	188.63%
Pb 220.353†	-25.3	-0.0169	mg/L	0.00379	-16.90	µg/L	3.790	22.43%
Sb 206.836†	1.9	0.0009	mg/L	0.00631	0.9048	µg/L	6.31124	697.51%
Se 196.026†	8.1	0.0155	mg/L	0.00578	15.49	µg/L	5.775	37.28%
Sn 189.927†	21.5	0.0102	mg/L	0.01042	10.24	µg/L	10.420	101.77%
Ti 334.940†	28.4	0.0002	mg/L	0.00009	0.1761	µg/L	0.09003	51.13%
Tl 190.801†	5.7	0.0508	mg/L	0.00354	50.79	µg/L	3.538	6.97%
V 292.402†	20.5	0.0006	mg/L	0.00033	0.5646	µg/L	0.32793	58.08%
Zn 206.200†	18.0	0.0019	mg/L	0.00039	1.918	µg/L	0.3862	20.13%
Li 670.784†	2612.0	0.0130	mg/L	0.00020	12.97	µg/L	0.202	1.55%
Sr 421.552†	466798.2	0.3704	mg/L	0.00318	370.4	µg/L	3.18	0.86%

Sequence No.: 27
Sample ID: 1202004-13
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 2/14/2012 10:45:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-13

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641813.4	101.1	%	0.38				0.38%
Ag 328.068†	-226.0						25.58	11.32%
Al 308.215†	20727.3	5.217	mg/L	0.0466	5217	µg/L	46.6	0.89%
As 188.979†	2.3	0.0039	mg/L	0.00695	3.874	µg/L	6.9548	179.55%
B 249.677†	479.0	0.0372	mg/L	0.00138	37.21	µg/L	1.377	3.70%
Ba 233.527†	8886.6	0.5158	mg/L	0.00260	515.8	µg/L	2.60	0.50%
Be 313.107†	588.9	0.0008	mg/L	0.00003	0.8050	µg/L	0.02953	3.67%
Ca 317.933†	1131396.3	27.94	mg/L	0.027	27940	µg/L	26.6	0.10%
Cd 214.440†	29.7	-0.0005	mg/L	0.00008	-0.4663	µg/L	0.08249	17.69%
Co 228.616†	35.5	0.0058	mg/L	0.00050	5.759	µg/L	0.4990	8.67%
Cr 205.560†	47.3	0.0093	mg/L	0.00067	9.340	µg/L	0.6718	7.19%
Cu 327.393†	480.9	0.0122	mg/L	0.00080	12.24	µg/L	0.803	6.56%
Fe 238.204†	224986.1	8.528	mg/L	0.0073	8528	µg/L	7.3	0.09%
K 766.490†	20002.8	2.694	mg/L	0.0251	2694	µg/L	25.1	0.93%
Mg 279.077†	24388.7	6.505	mg/L	0.0333	6505	µg/L	33.3	0.51%
Mn 257.610†	83503.8	0.6354	mg/L	0.00356	635.4	µg/L	3.56	0.56%
Mo 202.031†	1.8	0.0005	mg/L	0.00092	0.5357	µg/L	0.92172	172.06%

Na 589.592†	325535.4	17.98 mg/L	0.044	17980 µg/L	44.1	0.25%
Ni 231.604†	50.2	0.0073 mg/L	0.00065	7.267 µg/L	0.6512	8.96%
Pb 220.353†	10.8	0.0071 mg/L	0.00287	7.129 µg/L	2.8721	40.29%
Sb 206.836†	12.6	0.0066 mg/L	0.00493	6.600 µg/L	4.9306	74.70%
Se 196.026†	7.0	0.0134 mg/L	0.00491	13.38 µg/L	4.909	36.70%
Sn 189.927†	20.0	0.0063 mg/L	0.01249	6.252 µg/L	12.4916	199.82%
Ti 334.940†	6286.9	0.0390 mg/L	0.00082	38.98 µg/L	0.823	2.11%
Tl 190.801†	8.6	0.0448 mg/L	0.01136	44.83 µg/L	11.358	25.33%
V 292.402†	274.6	0.0076 mg/L	0.00012	7.562 µg/L	0.1233	1.63%
Zn 206.200†	326.4	0.0343 mg/L	0.00013	34.33 µg/L	0.129	0.38%
Li 670.784†	6835.6	0.0339 mg/L	0.00044	33.94 µg/L	0.442	1.30%
Sr 421.552†	545809.5	0.4331 mg/L	0.00156	433.1 µg/L	1.56	0.36%

Sequence No.: 28
Sample ID: BB21006-DUP4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 2/14/2012 10:49:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21006-DUP4

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	647337.8	102.0	%	0.46				0.45%
Ag 328.068†	-269.2						29.19	10.84%
Al 308.215†	21570.6	5.431	mg/L	0.0276	5431	µg/L	27.6	0.51%
As 188.979†	5.7	0.0118	mg/L	0.00722	11.81	µg/L	7.218	61.10%
B 249.677†	459.4	0.0357	mg/L	0.00043	35.67	µg/L	0.433	1.21%
Ba 233.527†	8795.1	0.5105	mg/L	0.00197	510.5	µg/L	1.97	0.39%
Be 313.107†	597.6	0.0008	mg/L	0.00006	0.8168	µg/L	0.06253	7.66%
Ca 317.933†	1110607.6	27.43	mg/L	0.085	27430	µg/L	84.7	0.31%
Cd 214.440†	26.5	-0.0006	mg/L	0.00008	-0.5906	µg/L	0.07834	13.27%
Co 228.616†	24.5	0.0040	mg/L	0.00094	3.969	µg/L	0.9359	23.58%
Cr 205.560†	47.3	0.0093	mg/L	0.00085	9.329	µg/L	0.8535	9.15%
Cu 327.393†	498.7	0.0128	mg/L	0.00066	12.81	µg/L	0.656	5.12%
Fe 238.204†	223577.6	8.474	mg/L	0.0375	8474	µg/L	37.5	0.44%
K 766.490†	20467.0	2.757	mg/L	0.0084	2757	µg/L	8.4	0.31%
Mg 279.077†	24039.1	6.412	mg/L	0.0277	6412	µg/L	27.7	0.43%
Mn 257.610†	82446.3	0.6274	mg/L	0.00115	627.4	µg/L	1.15	0.18%
Mo 202.031†	1.4	0.0004	mg/L	0.00250	0.4186	µg/L	2.49585	596.30%
Na 589.592†	319940.0	17.67	mg/L	0.065	17670	µg/L	64.8	0.37%
Ni 231.604†	45.0	0.0065	mg/L	0.00064	6.510	µg/L	0.6388	9.81%
Pb 220.353†	8.8	0.0058	mg/L	0.00372	5.779	µg/L	3.7186	64.35%
Sb 206.836†	10.8	0.0037	mg/L	0.00488	3.666	µg/L	4.8847	133.24%
Se 196.026†	6.9	0.0133	mg/L	0.00458	13.26	µg/L	4.578	34.53%
Sn 189.927†	17.6	0.0015	mg/L	0.01507	1.529	µg/L	15.0682	985.40%
Ti 334.940†	7174.8	0.0445	mg/L	0.00106	44.49	µg/L	1.059	2.38%
Tl 190.801†	8.7	0.0451	mg/L	0.01717	45.11	µg/L	17.166	38.05%
V 292.402†	285.4	0.0079	mg/L	0.00019	7.859	µg/L	0.1872	2.38%
Zn 206.200†	316.7	0.0333	mg/L	0.00100	33.27	µg/L	0.996	2.99%
Li 670.784†	6857.0	0.0340	mg/L	0.00042	34.05	µg/L	0.421	1.24%
Sr 421.552†	536567.9	0.4258	mg/L	0.00112	425.8	µg/L	1.12	0.26%

Sequence No.: 29
Sample ID: 1202004-14
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 2/14/2012 10:52:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-14

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	640937.2	101.0	%	0.47				0.46%
Ag 328.068†	1.8						30.06	>999.9%
Al 308.215†	16.4	-0.0223	mg/L	0.00478	-22.28	µg/L	4.779	21.44%
As 188.979†	-0.0	0.0003	mg/L	0.00299	0.2827	µg/L	2.98975	>999.9%
B 249.677†	465.0	0.0364	mg/L	0.00036	36.38	µg/L	0.359	0.99%
Ba 233.527†	6479.8	0.3761	mg/L	0.00179	376.1	µg/L	1.79	0.48%
Be 313.107†	-40.7	-0.0001	mg/L	0.00003	-0.0549	µg/L	0.02857	51.99%

Ca 317.933†	1112723.8	27.48	mg/L	0.156	27480	µg/L	155.8	0.57%
Cd 214.440†	-9.5	-0.0003	mg/L	0.00005	-0.2657	µg/L	0.05060	19.05%
Co 228.616†	6.5	0.0011	mg/L	0.00148	1.053	µg/L	1.4782	140.41%
Cr 205.560†	18.5	0.0032	mg/L	0.00034	3.170	µg/L	0.3352	10.57%
Cu 327.393†	-30.1	-0.0030	mg/L	0.00037	-2.985	µg/L	0.3660	12.26%
Fe 238.204†	4198.9	0.1591	mg/L	0.00060	159.1	µg/L	0.60	0.38%
K 766.490†	9183.1	1.237	mg/L	0.0116	1237	µg/L	11.6	0.94%
Mg 279.077†	19361.3	5.164	mg/L	0.0266	5164	µg/L	26.6	0.51%
Mn 257.610†	47467.3	0.3612	mg/L	0.00227	361.2	µg/L	2.27	0.63%
Mo 202.031†	1.0	0.0003	mg/L	0.00181	0.3021	µg/L	1.81335	600.24%
Na 589.592†	327693.8	18.10	mg/L	0.054	18100	µg/L	54.0	0.30%
Ni 231.604†	0.6	0.0001	mg/L	0.00032	0.0815	µg/L	0.32097	393.69%
Pb 220.353†	-31.4	-0.0210	mg/L	0.00377	-21.01	µg/L	3.769	17.94%
Sb 206.836†	2.5	0.0013	mg/L	0.00019	1.285	µg/L	0.1882	14.65%
Se 196.026†	10.5	0.0200	mg/L	0.00675	20.00	µg/L	6.747	33.73%
Sn 189.927†	20.2	0.0072	mg/L	0.00529	7.193	µg/L	5.2922	73.58%
Ti 334.940†	-35.6	-0.0002	mg/L	0.00017	-0.2205	µg/L	0.16610	75.34%
Tl 190.801†	7.8	0.0718	mg/L	0.00796	71.82	µg/L	7.963	11.09%
V 292.402†	27.8	0.0008	mg/L	0.00023	0.7652	µg/L	0.22824	29.83%
Zn 206.200†	27.5	0.0029	mg/L	0.00051	2.932	µg/L	0.5066	17.28%
Li 670.784†	4204.6	0.0209	mg/L	0.00040	20.88	µg/L	0.399	1.91%
Sr 421.552†	536568.9	0.4258	mg/L	0.00137	425.8	µg/L	1.37	0.32%

Sequence No.: 30
Sample ID: 1202004-15
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 2/14/2012 10:56:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-15

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	642086.7	101.2	%	0.76				0.75%
Ag 328.068†	4.4						41.99	945.76%
Al 308.215†	123.2	0.0056	mg/L	0.00045	5.566	µg/L	0.4485	8.06%
As 188.979†	1.8	0.0064	mg/L	0.00567	6.404	µg/L	5.6704	88.55%
B 249.677†	309.1	0.0244	mg/L	0.00110	24.40	µg/L	1.098	4.50%
Ba 233.527†	3202.3	0.1859	mg/L	0.00107	185.9	µg/L	1.07	0.58%
Be 313.107†	-17.1	0.0000	mg/L	0.00005	-0.0225	µg/L	0.05393	239.84%
Ca 317.933†	1078122.5	26.63	mg/L	0.167	26630	µg/L	167.1	0.63%
Cd 214.440†	-11.1	-0.0003	mg/L	0.00012	-0.3165	µg/L	0.12345	39.01%
Co 228.616†	-2.1	-0.0003	mg/L	0.00084	-0.3462	µg/L	0.84099	242.92%
Cr 205.560†	25.7	0.0044	mg/L	0.00118	4.442	µg/L	1.1805	26.58%
Cu 327.393†	502.4	0.0130	mg/L	0.00076	12.98	µg/L	0.759	5.84%
Fe 238.204†	9883.4	0.3746	mg/L	0.00169	374.6	µg/L	1.69	0.45%
K 766.490†	9436.9	1.271	mg/L	0.0103	1271	µg/L	10.3	0.81%
Mg 279.077†	18677.2	4.982	mg/L	0.0404	4982	µg/L	40.4	0.81%
Mn 257.610†	1954.3	0.0149	mg/L	0.00012	14.87	µg/L	0.117	0.79%
Mo 202.031†	0.9	0.0003	mg/L	0.00136	0.2774	µg/L	1.35911	490.02%
Na 589.592†	247123.6	13.65	mg/L	0.067	13650	µg/L	66.7	0.49%
Ni 231.604†	-5.2	-0.0008	mg/L	0.00046	-0.7525	µg/L	0.45853	60.94%
Pb 220.353†	-18.8	-0.0126	mg/L	0.00280	-12.58	µg/L	2.804	22.29%
Sb 206.836†	-0.0	-0.0024	mg/L	0.00073	-2.352	µg/L	0.7309	31.07%
Se 196.026†	3.0	0.0057	mg/L	0.00289	5.722	µg/L	2.8893	50.49%
Sn 189.927†	20.8	0.0098	mg/L	0.00342	9.821	µg/L	3.4242	34.87%
Ti 334.940†	67.6	0.0004	mg/L	0.00008	0.4192	µg/L	0.07551	18.01%
Tl 190.801†	6.3	0.0561	mg/L	0.01460	56.09	µg/L	14.599	26.03%
V 292.402†	33.3	0.0009	mg/L	0.00026	0.9165	µg/L	0.26050	28.42%
Zn 206.200†	12.9	0.0014	mg/L	0.00012	1.376	µg/L	0.1247	9.06%
Li 670.784†	2519.6	0.0125	mg/L	0.00014	12.51	µg/L	0.136	1.08%
Sr 421.552†	452820.5	0.3593	mg/L	0.00191	359.3	µg/L	1.91	0.53%

Sequence No.: 31
Sample ID: BB21006-MS4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 2/14/2012 11:00:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21006-MS4

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	634864.8	100.1	%	0.47				0.47%
Ag 328.068†	2587.0						34.52	1.33%
Al 308.215†	8140.0	2.024	mg/L	0.0030	2024	µg/L	3.0	0.15%
As 188.979†	225.9	0.5367	mg/L	0.00469	536.7	µg/L	4.69	0.87%
B 249.677†	6734.6	0.5316	mg/L	0.00626	531.6	µg/L	6.26	1.18%
Ba 233.527†	38217.4	2.218	mg/L	0.0181	2218	µg/L	18.1	0.81%
Be 313.107†	38274.6	0.0523	mg/L	0.00029	52.32	µg/L	0.288	0.55%
Ca 317.933†	1492556.9	36.86	mg/L	0.151	36860	µg/L	150.5	0.41%
Cd 214.440†	1796.6	0.0488	mg/L	0.00020	48.80	µg/L	0.203	0.42%
Co 228.616†	3093.9	0.5019	mg/L	0.00268	501.9	µg/L	2.68	0.53%
Cr 205.560†	3058.2	0.5215	mg/L	0.00278	521.5	µg/L	2.78	0.53%
Cu 327.393†	17837.9	0.5298	mg/L	0.00295	529.8	µg/L	2.95	0.56%
Fe 238.204†	144125.0	5.463	mg/L	0.0315	5463	µg/L	31.5	0.58%
K 766.490†	158160.4	21.30	mg/L	0.081	21300	µg/L	80.8	0.38%
Mg 279.077†	57085.2	15.23	mg/L	0.101	15230	µg/L	101.2	0.66%
Mn 257.610†	70034.9	0.5329	mg/L	0.00408	532.9	µg/L	4.08	0.77%
Mo 202.031†	1741.0	0.5274	mg/L	0.00286	527.4	µg/L	2.86	0.54%
Na 589.592†	431819.2	23.85	mg/L	0.110	23850	µg/L	109.7	0.46%
Ni 231.604†	3561.8	0.5153	mg/L	0.00298	515.3	µg/L	2.98	0.58%
Pb 220.353†	704.4	0.4707	mg/L	0.00385	470.7	µg/L	3.85	0.82%
Sb 206.836†	367.2	0.5558	mg/L	0.00182	555.8	µg/L	1.82	0.33%
Se 196.026†	280.2	0.5347	mg/L	0.01064	534.7	µg/L	10.64	1.99%
Sn 189.927†	260.0	0.5375	mg/L	0.00226	537.5	µg/L	2.26	0.42%
Ti 334.940†	85050.4	0.5274	mg/L	0.00451	527.4	µg/L	4.51	0.85%
Tl 190.801†	59.7	0.5741	mg/L	0.01177	574.1	µg/L	11.77	2.05%
V 292.402†	18524.3	0.5102	mg/L	0.00415	510.2	µg/L	4.15	0.81%
Zn 206.200†	4865.8	0.5191	mg/L	0.00321	519.1	µg/L	3.21	0.62%
Li 670.784†	101019.8	0.5016	mg/L	0.00226	501.6	µg/L	2.26	0.45%
Sr 421.552†	1089316.2	0.8644	mg/L	0.00288	864.4	µg/L	2.88	0.33%

Sequence No.: 32
Sample ID: 1202004-16
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 2/14/2012 11:03:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-16

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641609.1	101.1	%	0.48				0.47%
Ag 328.068†	-2.8						40.63	>999.9%
Al 308.215†	-8.6	-0.0277	mg/L	0.00475	-27.70	µg/L	4.749	17.14%
As 188.979†	-1.5	-0.0010	mg/L	0.00641	-1.025	µg/L	6.4117	625.57%
B 249.677†	344.8	0.0272	mg/L	0.00095	27.24	µg/L	0.949	3.48%
Ba 233.527†	3157.2	0.1833	mg/L	0.00039	183.3	µg/L	0.39	0.21%
Be 313.107†	-17.0	0.0000	mg/L	0.00002	-0.0226	µg/L	0.02033	90.04%
Ca 317.933†	1074729.5	26.54	mg/L	0.137	26540	µg/L	137.4	0.52%
Cd 214.440†	-9.8	-0.0003	mg/L	0.00007	-0.2638	µg/L	0.06777	25.69%
Co 228.616†	-2.0	-0.0003	mg/L	0.00049	-0.3267	µg/L	0.48573	148.70%
Cr 205.560†	18.8	0.0032	mg/L	0.00097	3.211	µg/L	0.9684	30.16%
Cu 327.393†	95.7	0.0008	mg/L	0.00063	0.8405	µg/L	0.62846	74.77%
Fe 238.204†	252.9	0.0096	mg/L	0.00046	9.584	µg/L	0.4554	4.75%
K 766.490†	9539.7	1.285	mg/L	0.0086	1285	µg/L	8.6	0.67%
Mg 279.077†	18575.8	4.955	mg/L	0.0221	4955	µg/L	22.1	0.45%
Mn 257.610†	330.0	0.0025	mg/L	0.00002	2.511	µg/L	0.0207	0.82%
Mo 202.031†	1.9	0.0006	mg/L	0.00101	0.5801	µg/L	1.00737	173.67%
Na 589.592†	241084.8	13.32	mg/L	0.013	13320	µg/L	13.2	0.10%
Ni 231.604†	-3.5	-0.0005	mg/L	0.00026	-0.5068	µg/L	0.25965	51.24%
Pb 220.353†	-25.4	-0.0170	mg/L	0.00355	-16.99	µg/L	3.554	20.92%
Sb 206.836†	7.2	0.0092	mg/L	0.00375	9.184	µg/L	3.7504	40.84%
Se 196.026†	10.9	0.0207	mg/L	0.00290	20.74	µg/L	2.898	13.97%
Sn 189.927†	19.2	0.0064	mg/L	0.00572	6.408	µg/L	5.7203	89.27%
Ti 334.940†	-30.4	-0.0002	mg/L	0.00024	-0.1884	µg/L	0.23739	126.02%
Tl 190.801†	7.7	0.0710	mg/L	0.00710	70.96	µg/L	7.098	10.00%
V 292.402†	11.4	0.0003	mg/L	0.00032	0.3126	µg/L	0.32387	103.61%
Zn 206.200†	11.5	0.0012	mg/L	0.00036	1.228	µg/L	0.3552	28.91%
Li 670.784†	2536.5	0.0126	mg/L	0.00038	12.59	µg/L	0.381	3.03%

Sr 421.552†	450085.3	0.3572 mg/L	0.00063	357.2 µg/L	0.63	0.18%

Sequence No.: 33
Sample ID: 1202004-17
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 2/14/2012 11:07:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-17

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	646518.6	101.9	%	0.34				0.33%
Ag 328.068†	-87.5						12.30	14.07%
Al 308.215†	10697.1	2.681	mg/L	0.0294	2681	µg/L	29.4	1.10%
As 188.979†	2.4	0.0053	mg/L	0.00222	5.327	µg/L	2.2153	41.58%
B 249.677†	551.0	0.0431	mg/L	0.00025	43.08	µg/L	0.249	0.58%
Ba 233.527†	8799.9	0.5108	mg/L	0.00273	510.8	µg/L	2.73	0.53%
Be 313.107†	274.1	0.0004	mg/L	0.00007	0.3750	µg/L	0.06705	17.88%
Ca 317.933†	1074588.9	26.54	mg/L	0.134	26540	µg/L	133.8	0.50%
Cd 214.440†	4.8	-0.0005	mg/L	0.00013	-0.5125	µg/L	0.12898	25.17%
Co 228.616†	12.9	0.0021	mg/L	0.00031	2.089	µg/L	0.3109	14.88%
Cr 205.560†	33.9	0.0064	mg/L	0.00084	6.374	µg/L	0.8427	13.22%
Cu 327.393†	167.6	0.0030	mg/L	0.00068	2.990	µg/L	0.6829	22.84%
Fe 238.204†	106358.5	4.031	mg/L	0.0262	4031	µg/L	26.2	0.65%
K 766.490†	15606.6	2.102	mg/L	0.0172	2102	µg/L	17.2	0.82%
Mg 279.077†	21124.7	5.635	mg/L	0.0435	5635	µg/L	43.5	0.77%
Mn 257.610†	60448.9	0.4600	mg/L	0.00281	460.0	µg/L	2.81	0.61%
Mo 202.031†	2.0	0.0006	mg/L	0.00105	0.6004	µg/L	1.04691	174.35%
Na 589.592†	344289.1	19.02	mg/L	0.113	19020	µg/L	112.6	0.59%
Ni 231.604†	20.6	0.0030	mg/L	0.00059	2.975	µg/L	0.5941	19.97%
Pb 220.353†	-12.0	-0.0081	mg/L	0.00438	-8.076	µg/L	4.3782	54.21%
Sb 206.836†	3.5	-0.0021	mg/L	0.00645	-2.145	µg/L	6.4513	300.79%
Se 196.026†	11.0	0.0209	mg/L	0.00346	20.90	µg/L	3.457	16.54%
Sn 189.927†	19.8	0.0077	mg/L	0.00457	7.701	µg/L	4.5650	59.28%
Ti 334.940†	5285.0	0.0328	mg/L	0.00250	32.77	µg/L	2.502	7.64%
Tl 190.801†	7.2	0.0482	mg/L	0.00685	48.25	µg/L	6.854	14.21%
V 292.402†	153.8	0.0042	mg/L	0.00017	4.235	µg/L	0.1744	4.12%
Zn 206.200†	122.5	0.0128	mg/L	0.00039	12.81	µg/L	0.394	3.07%
Li 670.784†	6038.2	0.0300	mg/L	0.00003	29.98	µg/L	0.030	0.10%
Sr 421.552†	633745.5	0.5029	mg/L	0.00280	502.9	µg/L	2.80	0.56%

Sequence No.: 34
Sample ID: IBL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/14/2012 11:11:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IBL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	643652.4	101.4	%	0.48				0.48%
Ag 328.068†	61.7						34.67	56.16%
Unable to evaluate QC.								
Al 308.215†	6.4	0.0016	mg/L	0.00576	1.605	µg/L	5.7571	358.73%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-0.9	-0.0021	mg/L	0.00414	-2.057	µg/L	4.1401	201.27%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	23.8	0.0019	mg/L	0.00038	1.880	µg/L	0.3803	20.22%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	2.3	0.0001	mg/L	0.00021	0.1331	µg/L	0.21453	161.16%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-35.2	0.0000	mg/L	0.00002	-0.0479	µg/L	0.01716	35.80%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	188.7	0.0047	mg/L	0.00384	4.660	µg/L	3.8408	82.43%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	-2.9	-0.0001	mg/L	0.00006	-0.0794	µg/L	0.05936	74.80%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	0.7	0.0001	mg/L	0.00071	0.1107	µg/L	0.70639	637.99%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 205.560†	1.7	0.0003 mg/L	0.00054	0.2838 µg/L	0.54303	191.37%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cu 327.393†	-11.3	-0.0003 mg/L	0.00047	-0.3365 µg/L	0.47376	140.80%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	14.3	0.0005 mg/L	0.00048	0.5436 µg/L	0.48197	88.67%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	194.8	0.0262 mg/L	0.00338	26.24 µg/L	3.380	12.88%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 279.077†	-2.9	-0.0008 mg/L	0.00723	-0.7683 µg/L	7.22751	940.75%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	4.9	0.0000 mg/L	0.00012	0.0376 µg/L	0.12307	327.26%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	1.4	0.0004 mg/L	0.00116	0.4154 µg/L	1.16445	280.33%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	579.5	0.0320 mg/L	0.00681	32.01 µg/L	6.812	21.28%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-1.0	-0.0001 mg/L	0.00063	-0.1415 µg/L	0.63294	447.25%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-0.7	-0.0004 mg/L	0.00506	-0.4464 µg/L	5.06349	>999.9%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	-1.9	-0.0030 mg/L	0.00637	-2.999 µg/L	6.3704	212.39%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	2.7	0.0052 mg/L	0.00440	5.217 µg/L	4.4017	84.37%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-1.9	-0.0042 mg/L	0.00561	-4.240 µg/L	5.6128	132.37%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	-5.3	0.0000 mg/L	0.00008	-0.0332 µg/L	0.07919	238.77%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-1.3	-0.0136 mg/L	0.01499	-13.64 µg/L	14.987	109.89%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	10.1	0.0003 mg/L	0.00051	0.2790 µg/L	0.50846	182.25%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	4.8	0.0005 mg/L	0.00055	0.5169 µg/L	0.55062	106.53%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Li 670.784†	61.4	0.0003 mg/L	0.00032	0.3047 µg/L	0.31872	104.61%
QC value within limits for Li 670.784 Recovery = Not calculated						
Sr 421.552†	70.8	0.0001 mg/L	0.00002	0.0562 µg/L	0.01713	30.50%
QC value within limits for Sr 421.552 Recovery = Not calculated						

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 35
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/14/2012 11:14:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	617596.4	97.33	%	0.233				0.24%
Ag 328.068†	-269.7						29.29	10.86%
Al 308.215†	39388.5	9.940	mg/L	0.0249	9940	µg/L	24.9	0.25%
QC value within limits for Al 308.215 Recovery = 99.40%								
As 188.979†	2188.7	5.102	mg/L	0.0262	5102	µg/L	26.2	0.51%
QC value within limits for As 188.979 Recovery = 102.04%								
B 249.677†	31889.5	2.515	mg/L	0.0089	2515	µg/L	8.9	0.35%
QC value within limits for B 249.677 Recovery = 100.58%								
Ba 233.527†	43249.6	2.510	mg/L	0.0073	2510	µg/L	7.3	0.29%
QC value within limits for Ba 233.527 Recovery = 100.42%								
Be 313.107†	1866200.9	2.547	mg/L	0.0033	2547	µg/L	3.3	0.13%
QC value within limits for Be 313.107 Recovery = 101.87%								
Ca 317.933†	1042509.8	25.75	mg/L	0.009	25750	µg/L	8.5	0.03%
QC value within limits for Ca 317.933 Recovery = 102.99%								
Cd 214.440†	92822.1	2.530	mg/L	0.0053	2530	µg/L	5.3	0.21%
QC value within limits for Cd 214.440 Recovery = 101.19%								
Co 228.616†	15552.9	2.523	mg/L	0.0152	2523	µg/L	15.2	0.60%
QC value within limits for Co 228.616 Recovery = 100.93%								
Cr 205.560†	30214.1	5.146	mg/L	0.0109	5146	µg/L	10.9	0.21%
QC value within limits for Cr 205.560 Recovery = 102.91%								

Cu 327.393†	168810.1	5.039 mg/L	0.0237	5039 µg/L	23.7	0.47%
QC value within limits for Cu 327.393 Recovery = 100.78%						
Fe 238.204†	271166.5	10.28 mg/L	0.013	10280 µg/L	13.2	0.13%
QC value within limits for Fe 238.204 Recovery = 102.78%						
K 766.490†	183304.3	24.69 mg/L	0.024	24690 µg/L	23.5	0.10%
QC value within limits for K 766.490 Recovery = 98.76%						
Mg 279.077†	95756.1	25.54 mg/L	0.038	25540 µg/L	37.7	0.15%
QC value within limits for Mg 279.077 Recovery = 102.16%						
Mn 257.610†	671456.1	5.109 mg/L	0.0060	5109 µg/L	6.0	0.12%
QC value within limits for Mn 257.610 Recovery = 102.19%						
Mo 202.031†	1715.3	0.5197 mg/L	0.00298	519.7 µg/L	2.98	0.57%
QC value within limits for Mo 202.031 Recovery = 103.93%						
Na 589.592†	457471.2	25.27 mg/L	0.062	25270 µg/L	61.9	0.24%
QC value within limits for Na 589.592 Recovery = 101.07%						
Ni 231.604†	35776.7	5.176 mg/L	0.0053	5176 µg/L	5.3	0.10%
QC value within limits for Ni 231.604 Recovery = 103.53%						
Pb 220.353†	3757.2	2.507 mg/L	0.0113	2507 µg/L	11.3	0.45%
QC value within limits for Pb 220.353 Recovery = 100.27%						
Sb 206.836†	1722.1	2.582 mg/L	0.0200	2582 µg/L	20.0	0.77%
QC value within limits for Sb 206.836 Recovery = 103.29%						
Se 196.026†	1360.7	2.596 mg/L	0.0116	2596 µg/L	11.6	0.45%
QC value within limits for Se 196.026 Recovery = 103.85%						
Sn 189.927†	1172.7	2.622 mg/L	0.0084	2622 µg/L	8.4	0.32%
QC value within limits for Sn 189.927 Recovery = 104.86%						
Ti 334.940†	82345.6	0.5106 mg/L	0.00122	510.6 µg/L	1.22	0.24%
QC value within limits for Ti 334.940 Recovery = 102.12%						
Tl 190.801†	257.8	2.565 mg/L	0.0360	2565 µg/L	36.0	1.40%
QC value within limits for Tl 190.801 Recovery = 102.62%						
V 292.402†	46119.2	1.270 mg/L	0.0051	1270 µg/L	5.1	0.40%
QC value within limits for V 292.402 Recovery = 101.61%						
Zn 206.200†	98008.9	10.46 mg/L	0.016	10460 µg/L	16.0	0.15%
QC value within limits for Zn 206.200 Recovery = 104.62%						
Li 670.784†	485905.8	2.413 mg/L	0.0033	2413 µg/L	3.3	0.14%
QC value within limits for Li 670.784 Recovery = 96.50%						
Sr 421.552†	3173043.4	2.518 mg/L	0.0096	2518 µg/L	9.6	0.38%
QC value within limits for Sr 421.552 Recovery = 100.72%						

All analyte(s) passed QC.

Sequence No.: 36
Sample ID: 1202004-19
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 2/14/2012 11:19:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-19

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	631678.4	99.55	%	1.042				1.05%
Ag 328.068†	0.1						31.95	>999.9%
Al 308.215†	-2.0	-0.0265	mg/L	0.00210	-26.53	µg/L	2.104	7.93%
As 188.979†	-0.3	0.0018	mg/L	0.00281	1.756	µg/L	2.8059	159.83%
B 249.677†	499.9	0.0395	mg/L	0.00211	39.49	µg/L	2.108	5.34%
Ba 233.527†	3281.8	0.1905	mg/L	0.00140	190.5	µg/L	1.40	0.73%
Be 313.107†	43.7	0.0001	mg/L	0.00006	0.0603	µg/L	0.05618	93.14%
Ca 317.933†	1095696.1	27.06	mg/L	0.276	27060	µg/L	276.1	1.02%
Cd 214.440†	3.6	0.0001	mg/L	0.00024	0.1016	µg/L	0.24177	237.98%
Co 228.616†	4.7	0.0008	mg/L	0.00083	0.7594	µg/L	0.82631	108.82%
Cr 205.560†	22.3	0.0038	mg/L	0.00129	3.802	µg/L	1.2925	34.00%
Cu 327.393†	319.7	0.0075	mg/L	0.00109	7.491	µg/L	1.0932	14.59%
Fe 238.204†	199.4	0.0076	mg/L	0.00029	7.558	µg/L	0.2854	3.78%
K 766.490†	9665.6	1.302	mg/L	0.0119	1302	µg/L	11.9	0.91%
Mg 279.077†	18969.0	5.060	mg/L	0.0570	5060	µg/L	57.0	1.13%
Mn 257.610†	348.8	0.0027	mg/L	0.00006	2.654	µg/L	0.0578	2.18%
Mo 202.031†	1.8	0.0006	mg/L	0.00058	0.5521	µg/L	0.58184	105.39%
Na 589.592†	257276.3	14.21	mg/L	0.143	14210	µg/L	143.4	1.01%
Ni 231.604†	-3.3	-0.0005	mg/L	0.00078	-0.4810	µg/L	0.77642	161.40%
Pb 220.353†	-23.1	-0.0154	mg/L	0.00448	-15.43	µg/L	4.478	29.03%
Sb 206.836†	22.1	0.0326	mg/L	0.00217	32.58	µg/L	2.172	6.67%
Se 196.026†	8.6	0.0164	mg/L	0.00716	16.40	µg/L	7.162	43.66%
Sn 189.927†	20.5	0.0086	mg/L	0.00442	8.630	µg/L	4.4192	51.21%

Ti 334.940†	27.7	0.0002	mg/L	0.00004	0.1718	µg/L	0.04429	25.78%
Tl 190.801†	7.7	0.0715	mg/L	0.03776	71.49	µg/L	37.755	52.81%
V 292.402†	29.9	0.0008	mg/L	0.00025	0.8227	µg/L	0.25061	30.46%
Zn 206.200†	44.7	0.0048	mg/L	0.00028	4.774	µg/L	0.2846	5.96%
Li 670.784†	2684.0	0.0133	mg/L	0.00022	13.33	µg/L	0.217	1.63%
Sr 421.552†	453178.0	0.3596	mg/L	0.00348	359.6	µg/L	3.48	0.97%

Sequence No.: 37
Sample ID: 1202004-20
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 38
Date Collected: 2/14/2012 11:22:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-20

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	635910.5	100.2	%	1.50				1.50%
Ag 328.068†	22.9						22.13	96.63%
Al 308.215†	12.9	-0.0228	mg/L	0.00529	-22.78	µg/L	5.286	23.20%
As 188.979†	-0.3	-0.0001	mg/L	0.00584	-0.1430	µg/L	5.84457	>999.9%
B 249.677†	608.5	0.0478	mg/L	0.00144	47.76	µg/L	1.437	3.01%
Ba 233.527†	7791.7	0.4523	mg/L	0.01068	452.3	µg/L	10.68	2.36%
Be 313.107†	-17.5	0.0000	mg/L	0.00005	-0.0233	µg/L	0.04517	194.29%
Ca 317.933†	1097218.6	27.10	mg/L	0.497	27100	µg/L	496.7	1.83%
Cd 214.440†	2.8	0.0001	mg/L	0.00003	0.0618	µg/L	0.03340	54.07%
Co 228.616†	4.2	0.0007	mg/L	0.00156	0.6879	µg/L	1.56181	227.03%
Cr 205.560†	17.6	0.0031	mg/L	0.00093	3.060	µg/L	0.9281	30.33%
Cu 327.393†	4.9	-0.0019	mg/L	0.00035	-1.913	µg/L	0.3482	18.20%
Fe 238.204†	10172.8	0.3856	mg/L	0.00917	385.6	µg/L	9.17	2.38%
K 766.490†	9396.0	1.266	mg/L	0.0220	1266	µg/L	22.0	1.74%
Mg 279.077†	19297.2	5.147	mg/L	0.1008	5147	µg/L	100.8	1.96%
Mn 257.610†	41152.5	0.3131	mg/L	0.00660	313.1	µg/L	6.60	2.11%
Mo 202.031†	-4.4	-0.0013	mg/L	0.00076	-1.327	µg/L	0.7596	57.23%
Na 589.592†	349141.7	19.28	mg/L	0.221	19280	µg/L	220.9	1.15%
Ni 231.604†	-3.3	-0.0005	mg/L	0.00157	-0.4790	µg/L	1.57038	327.84%
Pb 220.353†	-24.3	-0.0163	mg/L	0.00245	-16.27	µg/L	2.452	15.07%
Sb 206.836†	12.2	0.0165	mg/L	0.00207	16.46	µg/L	2.067	12.56%
Se 196.026†	5.3	0.0102	mg/L	0.00737	10.20	µg/L	7.373	72.26%
Sn 189.927†	20.0	0.0074	mg/L	0.00333	7.400	µg/L	3.3263	44.95%
Ti 334.940†	-48.5	-0.0003	mg/L	0.00006	-0.3006	µg/L	0.06200	20.62%
Tl 190.801†	7.4	0.0669	mg/L	0.01008	66.94	µg/L	10.075	15.05%
V 292.402†	22.2	0.0006	mg/L	0.00007	0.6127	µg/L	0.06939	11.33%
Zn 206.200†	20.3	0.0022	mg/L	0.00007	2.161	µg/L	0.0674	3.12%
Li 670.784†	4783.2	0.0237	mg/L	0.00080	23.75	µg/L	0.804	3.38%
Sr 421.552†	638733.6	0.5069	mg/L	0.00627	506.9	µg/L	6.27	1.24%

Sequence No.: 38
Sample ID: 1202004-21
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 39
Date Collected: 2/14/2012 11:26:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-21

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641541.9	101.1	%	0.55				0.54%
Ag 328.068†	-22.5						34.39	153.08%
Al 308.215†	44.2	-0.0128	mg/L	0.00165	-12.79	µg/L	1.652	12.91%
As 188.979†	0.6	0.0029	mg/L	0.00534	2.855	µg/L	5.3353	186.88%
B 249.677†	125.9	0.0099	mg/L	0.00070	9.948	µg/L	0.6955	6.99%
Ba 233.527†	2656.4	0.1542	mg/L	0.00099	154.2	µg/L	0.99	0.64%
Be 313.107†	-27.3	0.0000	mg/L	0.00006	-0.0365	µg/L	0.06015	164.57%
Ca 317.933†	1009294.0	24.93	mg/L	0.095	24930	µg/L	95.1	0.38%
Cd 214.440†	-1.2	0.0000	mg/L	0.00013	-0.0406	µg/L	0.12573	309.39%
Co 228.616†	4.2	0.0007	mg/L	0.00053	0.6761	µg/L	0.53105	78.55%
Cr 205.560†	20.5	0.0035	mg/L	0.00088	3.520	µg/L	0.8832	25.09%
Cu 327.393†	56.7	-0.0002	mg/L	0.00108	-0.2017	µg/L	1.08375	537.37%
Fe 238.204†	4551.0	0.1725	mg/L	0.00153	172.5	µg/L	1.53	0.89%

K 766.490†	6468.1	0.8712 mg/L	0.00757	871.2 µg/L	7.57	0.87%
Mg 279.077†	11120.7	2.966 mg/L	0.0243	2966 µg/L	24.3	0.82%
Mn 257.610†	275.9	0.0021 mg/L	0.00002	2.100 µg/L	0.0247	1.18%
Mo 202.031†	-0.9	-0.0003 mg/L	0.00146	-0.2638 µg/L	1.45682	552.26%
Na 589.592†	51324.7	2.835 mg/L	0.0045	2835 µg/L	4.5	0.16%
Ni 231.604†	-0.3	0.0000 mg/L	0.00077	-0.0438 µg/L	0.77099	>999.9%
Pb 220.353†	-25.3	-0.0170 mg/L	0.00166	-16.95 µg/L	1.655	9.76%
Sb 206.836†	10.4	0.0149 mg/L	0.00291	14.93 µg/L	2.907	19.47%
Se 196.026†	5.1	0.0097 mg/L	0.00424	9.700 µg/L	4.2375	43.69%
Sn 189.927†	20.1	0.0106 mg/L	0.00519	10.62 µg/L	5.188	48.85%
Ti 334.940†	28.9	0.0002 mg/L	0.00017	0.1790 µg/L	0.17062	95.30%
Tl 190.801†	5.7	0.0535 mg/L	0.01948	53.54 µg/L	19.479	36.38%
V 292.402†	24.8	0.0007 mg/L	0.00014	0.6816 µg/L	0.13870	20.35%
Zn 206.200†	29.1	0.0031 mg/L	0.00051	3.105 µg/L	0.5094	16.41%
Li 670.784†	1065.5	0.0053 mg/L	0.00028	5.290 µg/L	0.2804	5.30%
Sr 421.552†	84286.6	0.0669 mg/L	0.00017	66.89 µg/L	0.175	0.26%

Sequence No.: 39
Sample ID: 1202004-22
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 2/14/2012 11:30:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-22

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	627789.8	98.94	%	0.643				0.65%
Ag 328.068†	19.6						26.53	135.24%
Al 308.215†	-3.8	-0.0405	mg/L	0.00818	-40.50	µg/L	8.181	20.20%
As 188.979†	1.0	0.0050	mg/L	0.00825	5.045	µg/L	8.2482	163.48%
B 249.677†	227.1	0.0179	mg/L	0.00057	17.91	µg/L	0.567	3.17%
Ba 233.527†	1528.9	0.0887	mg/L	0.00070	88.75	µg/L	0.703	0.79%
Be 313.107†	-113.6	-0.0002	mg/L	0.00003	-0.1541	µg/L	0.03446	22.35%
Ca 317.933†	1665109.1	41.12	mg/L	0.199	41120	µg/L	198.8	0.48%
Cd 214.440†	4.5	0.0001	mg/L	0.00020	0.1249	µg/L	0.19919	159.50%
Co 228.616†	14.8	0.0024	mg/L	0.00150	2.398	µg/L	1.5048	62.77%
Cr 205.560†	25.3	0.0043	mg/L	0.00157	4.303	µg/L	1.5661	36.40%
Cu 327.393†	137.5	0.0010	mg/L	0.00095	0.9810	µg/L	0.94564	96.40%
Fe 238.204†	144.6	0.0055	mg/L	0.00023	5.481	µg/L	0.2297	4.19%
K 766.490†	8341.8	1.124	mg/L	0.0079	1124	µg/L	7.9	0.70%
Mg 279.077†	21650.1	5.775	mg/L	0.0271	5775	µg/L	27.1	0.47%
Mn 257.610†	4852.7	0.0369	mg/L	0.00034	36.93	µg/L	0.341	0.92%
Mo 202.031†	-2.8	-0.0008	mg/L	0.00166	-0.8382	µg/L	1.66325	198.43%
Na 589.592†	227480.7	12.56	mg/L	0.052	12560	µg/L	51.8	0.41%
Ni 231.604†	-3.9	-0.0006	mg/L	0.00046	-0.5659	µg/L	0.46195	81.63%
Pb 220.353†	-31.4	-0.0210	mg/L	0.00747	-21.03	µg/L	7.468	35.51%
Sb 206.836†	15.1	0.0213	mg/L	0.00230	21.33	µg/L	2.304	10.80%
Se 196.026†	13.7	0.0261	mg/L	0.00808	26.08	µg/L	8.083	30.99%
Sn 189.927†	29.3	0.0089	mg/L	0.00809	8.905	µg/L	8.0873	90.81%
Ti 334.940†	7.0	0.0000	mg/L	0.00013	0.0432	µg/L	0.12943	299.67%
Tl 190.801†	12.3	0.1180	mg/L	0.00691	118.0	µg/L	6.91	5.85%
V 292.402†	20.4	0.0006	mg/L	0.00019	0.5631	µg/L	0.19472	34.58%
Zn 206.200†	38.8	0.0041	mg/L	0.00052	4.135	µg/L	0.5220	12.62%
Li 670.784†	1975.4	0.0098	mg/L	0.00035	9.808	µg/L	0.3501	3.57%
Sr 421.552†	366201.3	0.2906	mg/L	0.00113	290.6	µg/L	1.13	0.39%

Sequence No.: 40
Sample ID: 1202004-23
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 2/14/2012 11:33:46 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-23

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	639193.8	100.7	%	0.29				0.29%
Ag 328.068†	14.9						42.60	286.32%
Al 308.215†	1.9	-0.0327	mg/L	0.00776	-32.74	µg/L	7.759	23.70%

As 188.979†	3.7	0.0136	mg/L	0.00613	13.60	µg/L	6.129	45.06%
B 249.677†	1082.8	0.0856	mg/L	0.00115	85.56	µg/L	1.147	1.34%
Ba 233.527†	49052.9	2.847	mg/L	0.0201	2847	µg/L	20.1	0.71%
Be 313.107†	-48.7	-0.0001	mg/L	0.00003	-0.0658	µg/L	0.02662	40.48%
Ca 317.933†	1398650.4	34.54	mg/L	0.077	34540	µg/L	76.5	0.22%
Cd 214.440†	-5.6	-0.0002	mg/L	0.00015	-0.1513	µg/L	0.14768	97.59%
Co 228.616†	-16.5	-0.0027	mg/L	0.00062	-2.677	µg/L	0.6183	23.10%
Cr 205.560†	21.2	0.0036	mg/L	0.00097	3.611	µg/L	0.9747	27.00%
Cu 327.393†	33.7	-0.0016	mg/L	0.00039	-1.618	µg/L	0.3919	24.22%
Fe 238.204†	8.3	0.0003	mg/L	0.00036	0.3137	µg/L	0.36310	115.75%
K 766.490†	15172.9	2.044	mg/L	0.0240	2044	µg/L	24.0	1.17%
Mg 279.077†	37434.3	9.985	mg/L	0.0479	9985	µg/L	47.9	0.48%
Mn 257.610†	22.9	0.0002	mg/L	0.00003	0.1740	µg/L	0.03495	20.08%
Mo 202.031†	-3.0	-0.0009	mg/L	0.00294	-0.9038	µg/L	2.93654	324.89%
Na 589.592†	909011.0	50.21	mg/L	0.175	50210	µg/L	174.9	0.35%
Ni 231.604†	-0.6	-0.0001	mg/L	0.00063	-0.0924	µg/L	0.62544	676.81%
Pb 220.353†	-29.6	-0.0198	mg/L	0.00236	-19.79	µg/L	2.357	11.91%
Sb 206.836†	12.1	0.0149	mg/L	0.00572	14.88	µg/L	5.721	38.44%
Se 196.026†	12.3	0.0234	mg/L	0.00537	23.42	µg/L	5.371	22.94%
Sn 189.927†	27.1	0.0130	mg/L	0.00824	13.04	µg/L	8.237	63.15%
Ti 334.940†	-20.6	-0.0001	mg/L	0.00020	-0.1280	µg/L	0.19683	153.78%
Tl 190.801†	10.2	0.0892	mg/L	0.04557	89.15	µg/L	45.571	51.11%
V 292.402†	25.0	0.0007	mg/L	0.00025	0.6880	µg/L	0.25498	37.06%
Zn 206.200†	249.4	0.0266	mg/L	0.00037	26.63	µg/L	0.373	1.40%
Li 670.784†	20002.7	0.0993	mg/L	0.00114	99.31	µg/L	1.137	1.15%
Sr 421.552†	2257458.6	1.791	mg/L	0.0066	1791	µg/L	6.6	0.37%

Sequence No.: 41
Sample ID: 1202004-24
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 2/14/2012 11:39:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-24

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Y 360.073	639154.8	100.7	%	0.15				0.15%
Ag 328.068†	-17.4						56.32	324.30%
Al 308.215†	-0.5	-0.0385	mg/L	0.01094	-38.45	µg/L	10.937	28.44%
As 188.979†	3.0	0.0119	mg/L	0.00960	11.86	µg/L	9.595	80.93%
B 249.677†	226.1	0.0179	mg/L	0.00061	17.86	µg/L	0.613	3.43%
Ba 233.527†	2923.9	0.1697	mg/L	0.00066	169.7	µg/L	0.66	0.39%
Be 313.107†	-82.3	-0.0001	mg/L	0.00003	-0.1115	µg/L	0.02714	24.34%
Ca 317.933†	1613596.2	39.85	mg/L	0.038	39850	µg/L	37.6	0.09%
Cd 214.440†	-12.1	-0.0003	mg/L	0.00027	-0.3251	µg/L	0.27341	84.09%
Co 228.616†	6.2	0.0010	mg/L	0.00090	1.008	µg/L	0.8996	89.25%
Cr 205.560†	24.4	0.0042	mg/L	0.00046	4.151	µg/L	0.4623	11.14%
Cu 327.393†	302.6	0.0060	mg/L	0.00036	6.008	µg/L	0.3588	5.97%
Fe 238.204†	231.7	0.0088	mg/L	0.00016	8.782	µg/L	0.1577	1.80%
K 766.490†	8767.0	1.181	mg/L	0.0017	1181	µg/L	1.7	0.14%
Mg 279.077†	36748.1	9.802	mg/L	0.0242	9802	µg/L	24.2	0.25%
Mn 257.610†	147.8	0.0011	mg/L	0.00007	1.125	µg/L	0.0706	6.28%
Mo 202.031†	1.4	0.0004	mg/L	0.00078	0.4138	µg/L	0.78364	189.36%
Na 589.592†	217979.7	12.04	mg/L	0.033	12040	µg/L	32.9	0.27%
Ni 231.604†	-5.0	-0.0007	mg/L	0.00081	-0.7302	µg/L	0.80940	110.84%
Pb 220.353†	-34.2	-0.0229	mg/L	0.00072	-22.86	µg/L	0.716	3.13%
Sb 206.836†	10.6	0.0127	mg/L	0.00460	12.65	µg/L	4.603	36.38%
Se 196.026†	12.5	0.0238	mg/L	0.00781	23.76	µg/L	7.812	32.88%
Sn 189.927†	30.5	0.0134	mg/L	0.01221	13.39	µg/L	12.207	91.13%
Ti 334.940†	-4.7	0.0000	mg/L	0.00021	-0.0294	µg/L	0.20766	706.16%
Tl 190.801†	13.3	0.1218	mg/L	0.02277	121.8	µg/L	22.77	18.69%
V 292.402†	31.9	0.0009	mg/L	0.00036	0.8789	µg/L	0.35993	40.95%
Zn 206.200†	52.3	0.0056	mg/L	0.00021	5.586	µg/L	0.2061	3.69%
Li 670.784†	2221.4	0.0110	mg/L	0.00020	11.03	µg/L	0.197	1.79%
Sr 421.552†	243566.3	0.1933	mg/L	0.00056	193.3	µg/L	0.56	0.29%

Sequence No.: 42
Sample ID: IBL
Analyst:

Autosampler Location: 1
Date Collected: 2/14/2012 11:42:38 AM
Data Type: Original

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

Mean Data: IBL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	638386.0	100.6	%	0.56				0.56%
Ag 328.068†	87.5						17.30	19.77%
Unable to evaluate QC.								
Al 308.215†	-18.2	-0.0046	mg/L	0.00043	-4.618	µg/L	0.4251	9.20%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-5.6	-0.0130	mg/L	0.00470	-12.98	µg/L	4.703	36.23%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	20.1	0.0016	mg/L	0.00099	1.591	µg/L	0.9915	62.31%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	-2.6	-0.0001	mg/L	0.00008	-0.1491	µg/L	0.07681	51.51%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-52.3	-0.0001	mg/L	0.00003	-0.0713	µg/L	0.03384	47.44%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	279.0	0.0069	mg/L	0.00055	6.890	µg/L	0.5464	7.93%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	9.6	0.0003	mg/L	0.00013	0.2625	µg/L	0.13270	50.55%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	10.7	0.0017	mg/L	0.00064	1.734	µg/L	0.6421	37.03%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	2.1	0.0004	mg/L	0.00035	0.3660	µg/L	0.34815	95.12%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	-30.1	-0.0009	mg/L	0.00024	-0.9002	µg/L	0.24151	26.83%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	6.2	0.0002	mg/L	0.00034	0.2368	µg/L	0.34240	144.58%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	221.6	0.0298	mg/L	0.01009	29.84	µg/L	10.088	33.80%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	-1.1	-0.0003	mg/L	0.00107	-0.2884	µg/L	1.07060	371.28%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	29.9	0.0002	mg/L	0.00004	0.2277	µg/L	0.04440	19.49%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.8	0.0015	mg/L	0.00057	1.463	µg/L	0.5698	38.95%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	653.1	0.0361	mg/L	0.00288	36.07	µg/L	2.880	7.98%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	3.1	0.0005	mg/L	0.00084	0.4517	µg/L	0.83539	184.93%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.4	0.0023	mg/L	0.00197	2.304	µg/L	1.9704	85.53%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	8.4	0.0132	mg/L	0.00547	13.21	µg/L	5.473	41.42%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	4.1	0.0078	mg/L	0.00426	7.820	µg/L	4.2579	54.45%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	0.3	0.0007	mg/L	0.00704	0.7274	µg/L	7.04170	968.10%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-15.2	-0.0001	mg/L	0.00030	-0.0940	µg/L	0.30302	322.42%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.9	0.0094	mg/L	0.01301	9.356	µg/L	13.0107	139.06%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	9.3	0.0003	mg/L	0.00016	0.2549	µg/L	0.15998	62.77%
QC value within limits for V 292.402 Recovery = Not calculated								
Zn 206.200†	11.6	0.0012	mg/L	0.00008	1.240	µg/L	0.0825	6.65%
QC value within limits for Zn 206.200 Recovery = Not calculated								
Li 670.784†	66.6	0.0003	mg/L	0.00048	0.3306	µg/L	0.48042	145.30%
QC value within limits for Li 670.784 Recovery = Not calculated								
Sr 421.552†	14.3	0.0000	mg/L	0.00002	0.0113	µg/L	0.01778	156.69%
QC value within limits for Sr 421.552 Recovery = Not calculated								

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 43 Autosampler Location: 8
Sample ID: CCV@A/B Date Collected: 2/14/2012 11:46:16 AM
Analyst: Data Type: Original
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	625689.8	98.61	%	0.610				0.62%
Ag 328.068†	-252.9						69.59	27.52%
Al 308.215†	39582.1	9.989	mg/L	0.1224	9989	µg/L	122.4	1.23%
QC value within limits for Al 308.215 Recovery = 99.89%								
As 188.979†	2209.7	5.151	mg/L	0.0195	5151	µg/L	19.5	0.38%
QC value within limits for As 188.979 Recovery = 103.02%								
B 249.677†	31995.8	2.523	mg/L	0.0421	2523	µg/L	42.1	1.67%
QC value within limits for B 249.677 Recovery = 100.92%								
Ba 233.527†	43527.6	2.527	mg/L	0.0246	2527	µg/L	24.6	0.97%
QC value within limits for Ba 233.527 Recovery = 101.06%								
Be 313.107†	1861925.1	2.541	mg/L	0.0044	2541	µg/L	4.4	0.17%
QC value within limits for Be 313.107 Recovery = 101.64%								
Ca 317.933†	1045607.9	25.82	mg/L	0.019	25820	µg/L	18.9	0.07%
QC value within limits for Ca 317.933 Recovery = 103.30%								
Cd 214.440†	93392.0	2.545	mg/L	0.0132	2545	µg/L	13.2	0.52%
QC value within limits for Cd 214.440 Recovery = 101.81%								
Co 228.616†	15624.8	2.535	mg/L	0.0220	2535	µg/L	22.0	0.87%
QC value within limits for Co 228.616 Recovery = 101.40%								
Cr 205.560†	30309.4	5.162	mg/L	0.0458	5162	µg/L	45.8	0.89%
QC value within limits for Cr 205.560 Recovery = 103.24%								
Cu 327.393†	168979.4	5.044	mg/L	0.0662	5044	µg/L	66.2	1.31%
QC value within limits for Cu 327.393 Recovery = 100.88%								
Fe 238.204†	272154.5	10.32	mg/L	0.036	10320	µg/L	35.6	0.35%
QC value within limits for Fe 238.204 Recovery = 103.15%								
K 766.490†	182300.2	24.55	mg/L	0.063	24550	µg/L	62.7	0.26%
QC value within limits for K 766.490 Recovery = 98.22%								
Mg 279.077†	96195.9	25.66	mg/L	0.236	25660	µg/L	236.3	0.92%
QC value within limits for Mg 279.077 Recovery = 102.63%								
Mn 257.610†	673085.4	5.122	mg/L	0.0123	5122	µg/L	12.3	0.24%
QC value within limits for Mn 257.610 Recovery = 102.44%								
Mo 202.031†	1706.7	0.5171	mg/L	0.00311	517.1	µg/L	3.11	0.60%
QC value within limits for Mo 202.031 Recovery = 103.41%								
Na 589.592†	456940.6	25.24	mg/L	0.083	25240	µg/L	83.5	0.33%
QC value within limits for Na 589.592 Recovery = 100.95%								
Ni 231.604†	36028.8	5.213	mg/L	0.0563	5213	µg/L	56.3	1.08%
QC value within limits for Ni 231.604 Recovery = 104.26%								
Pb 220.353†	3762.8	2.511	mg/L	0.0011	2511	µg/L	1.1	0.04%
QC value within limits for Pb 220.353 Recovery = 100.42%								
Sb 206.836†	1724.9	2.586	mg/L	0.0235	2586	µg/L	23.5	0.91%
QC value within limits for Sb 206.836 Recovery = 103.45%								
Se 196.026†	1375.2	2.624	mg/L	0.0100	2624	µg/L	10.0	0.38%
QC value within limits for Se 196.026 Recovery = 104.95%								
Sn 189.927†	1172.8	2.622	mg/L	0.0147	2622	µg/L	14.7	0.56%
QC value within limits for Sn 189.927 Recovery = 104.87%								
Ti 334.940†	82793.0	0.5134	mg/L	0.00700	513.4	µg/L	7.00	1.36%
QC value within limits for Ti 334.940 Recovery = 102.67%								
Tl 190.801†	258.1	2.568	mg/L	0.0607	2568	µg/L	60.7	2.36%
QC value within limits for Tl 190.801 Recovery = 102.73%								
V 292.402†	46213.4	1.273	mg/L	0.0142	1273	µg/L	14.2	1.12%
QC value within limits for V 292.402 Recovery = 101.82%								
Zn 206.200†	98648.1	10.53	mg/L	0.061	10530	µg/L	61.2	0.58%
QC value greater than the upper limit for Zn 206.200 Recovery = 105.30%								
Li 670.784†	478860.5	2.378	mg/L	0.0106	2378	µg/L	10.6	0.45%
QC value within limits for Li 670.784 Recovery = 95.10%								
Sr 421.552†	3172097.5	2.517	mg/L	0.0248	2517	µg/L	24.8	0.98%
QC value within limits for Sr 421.552 Recovery = 100.69%								

QC Failed. Retry.

Sequence No.: 44
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/14/2012 11:49:41 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	627233.3	98.85	%	0.146				0.15%
Ag 328.068†	-241.0						19.92	8.27%
Al 308.215†	39430.4	9.951	mg/L	0.0560	9951	µg/L	56.0	0.56%
QC value within limits for Al 308.215 Recovery = 99.51%								
As 188.979†	2204.7	5.140	mg/L	0.0186	5140	µg/L	18.6	0.36%
QC value within limits for As 188.979 Recovery = 102.79%								
B 249.677†	32082.4	2.530	mg/L	0.0165	2530	µg/L	16.5	0.65%
QC value within limits for B 249.677 Recovery = 101.19%								
Ba 233.527†	43459.5	2.523	mg/L	0.0102	2523	µg/L	10.2	0.41%
QC value within limits for Ba 233.527 Recovery = 100.91%								
Be 313.107†	1853634.3	2.530	mg/L	0.0077	2530	µg/L	7.7	0.31%
QC value within limits for Be 313.107 Recovery = 101.19%								
Ca 317.933†	1041911.3	25.73	mg/L	0.024	25730	µg/L	23.8	0.09%
QC value within limits for Ca 317.933 Recovery = 102.93%								
Cd 214.440†	93530.6	2.549	mg/L	0.0058	2549	µg/L	5.8	0.23%
QC value within limits for Cd 214.440 Recovery = 101.96%								
Co 228.616†	15616.0	2.533	mg/L	0.0124	2533	µg/L	12.4	0.49%
QC value within limits for Co 228.616 Recovery = 101.34%								
Cr 205.560†	30300.7	5.160	mg/L	0.0264	5160	µg/L	26.4	0.51%
QC value within limits for Cr 205.560 Recovery = 103.21%								
Cu 327.393†	167590.2	5.002	mg/L	0.0289	5002	µg/L	28.9	0.58%
QC value within limits for Cu 327.393 Recovery = 100.05%								
Fe 238.204†	271422.2	10.29	mg/L	0.028	10290	µg/L	28.1	0.27%
QC value within limits for Fe 238.204 Recovery = 102.88%								
K 766.490†	181724.3	24.48	mg/L	0.034	24480	µg/L	34.1	0.14%
QC value within limits for K 766.490 Recovery = 97.91%								
Mg 279.077†	96165.2	25.65	mg/L	0.091	25650	µg/L	91.1	0.36%
QC value within limits for Mg 279.077 Recovery = 102.60%								
Mn 257.610†	671011.6	5.106	mg/L	0.0129	5106	µg/L	12.9	0.25%
QC value within limits for Mn 257.610 Recovery = 102.12%								
Mo 202.031†	1714.7	0.5195	mg/L	0.00072	519.5	µg/L	0.72	0.14%
QC value within limits for Mo 202.031 Recovery = 103.90%								
Na 589.592†	455357.9	25.15	mg/L	0.098	25150	µg/L	97.8	0.39%
QC value within limits for Na 589.592 Recovery = 100.60%								
Ni 231.604†	35955.6	5.202	mg/L	0.0279	5202	µg/L	27.9	0.54%
QC value within limits for Ni 231.604 Recovery = 104.04%								
Pb 220.353†	3781.5	2.523	mg/L	0.0131	2523	µg/L	13.1	0.52%
QC value within limits for Pb 220.353 Recovery = 100.92%								
Sb 206.836†	1749.3	2.625	mg/L	0.0117	2625	µg/L	11.7	0.44%
QC value within limits for Sb 206.836 Recovery = 104.99%								
Se 196.026†	1374.6	2.623	mg/L	0.0145	2623	µg/L	14.5	0.55%
QC value within limits for Se 196.026 Recovery = 104.91%								
Sn 189.927†	1171.8	2.619	mg/L	0.0121	2619	µg/L	12.1	0.46%
QC value within limits for Sn 189.927 Recovery = 104.78%								
Ti 334.940†	82329.8	0.5105	mg/L	0.00322	510.5	µg/L	3.22	0.63%
QC value within limits for Ti 334.940 Recovery = 102.10%								
Tl 190.801†	257.3	2.559	mg/L	0.0223	2559	µg/L	22.3	0.87%
QC value within limits for Tl 190.801 Recovery = 102.37%								
V 292.402†	45950.6	1.265	mg/L	0.0067	1265	µg/L	6.7	0.53%
QC value within limits for V 292.402 Recovery = 101.24%								
Zn 206.200†	98946.5	10.56	mg/L	0.029	10560	µg/L	28.8	0.27%
QC value greater than the upper limit for Zn 206.200 Recovery = 105.62%								
Li 670.784†	475445.8	2.361	mg/L	0.0064	2361	µg/L	6.4	0.27%
QC value within limits for Li 670.784 Recovery = 94.42%								
Sr 421.552†	3152462.7	2.502	mg/L	0.0222	2502	µg/L	22.2	0.89%
QC value within limits for Sr 421.552 Recovery = 100.07%								

QC Failed. Retry.
User canceled analysis.

Analysis Begun

Start Time: 2/14/2012 11:54:34 AM
Plasma On Time: 2/14/2012 7:51:02 AM
Logged In Analyst: Optima
Technique: ICP Continuous
Spectrometer Model: Optima 3300 DV, S/N 069N9033001Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\BA20301.sif
Batch ID: BB21302
Results Data Set: DV120214
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 1
Autosampler Location: 1
Sample ID: IBL
Date Collected: 2/14/2012 11:54:34 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:
User canceled analysis.

Analysis Begun

Start Time: 2/14/2012 11:55:13 AM
Plasma On Time: 2/14/2012 7:51:02 AM
Logged In Analyst: Optima
Technique: ICP Continuous
Spectrometer Model: Optima 3300 DV, S/N 069N9033001Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\BA20301.sif
Batch ID: BB21302
Results Data Set: DV120214
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 9
Autosampler Location: 17
Sample ID: BB21302-BLK2
Date Collected: 2/14/2012 11:55:13 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: BB21302-BLK2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	642085.7	101.2	%	0.50				0.49%
Ag 328.068†	49.3						42.63	86.55%
Al 308.215†	-10.6	-0.0027	mg/L	0.00099	-2.677	µg/L	0.9931	37.10%
As 188.979†	-1.7	-0.0039	mg/L	0.00883	-3.876	µg/L	8.8340	227.90%
B 249.677†	208.2	0.0164	mg/L	0.00108	16.45	µg/L	1.075	6.54%
Ba 233.527†	0.6	0.0000	mg/L	0.00014	0.0371	µg/L	0.14376	387.55%
Be 313.107†	-8.6	0.0000	mg/L	0.00004	-0.0118	µg/L	0.03619	306.80%
Ca 317.933†	45.8	0.0011	mg/L	0.00245	1.131	µg/L	2.4481	216.37%
Cd 214.440†	-5.1	-0.0001	mg/L	0.00020	-0.1371	µg/L	0.19576	142.74%
Co 228.616†	6.5	0.0011	mg/L	0.00069	1.058	µg/L	0.6895	65.16%
Cr 205.560†	-2.0	-0.0003	mg/L	0.00074	-0.3376	µg/L	0.73964	219.11%
Cu 327.393†	39.6	0.0012	mg/L	0.00101	1.183	µg/L	1.0075	85.16%
Fe 238.204†	15.0	0.0006	mg/L	0.00037	0.5696	µg/L	0.37407	65.68%
K 766.490†	188.2	0.0254	mg/L	0.00258	25.36	µg/L	2.576	10.16%
Mg 279.077†	2.7	0.0007	mg/L	0.00047	0.7259	µg/L	0.46653	64.27%
Mn 257.610†	14.1	0.0001	mg/L	0.00002	0.1074	µg/L	0.01581	14.72%
Mo 202.031†	-0.5	-0.0002	mg/L	0.00029	-0.1536	µg/L	0.29318	190.91%
Na 589.592†	326.9	0.0181	mg/L	0.00439	18.05	µg/L	4.389	24.31%
Ni 231.604†	-0.6	-0.0001	mg/L	0.00025	-0.0809	µg/L	0.25342	313.18%
Pb 220.353†	-8.0	-0.0054	mg/L	0.00136	-5.365	µg/L	1.3647	25.44%
Sb 206.836†	12.7	0.0200	mg/L	0.00451	19.97	µg/L	4.513	22.60%
Se 196.026†	3.3	0.0064	mg/L	0.00558	6.382	µg/L	5.5821	87.46%
Sn 189.927†	-1.2	-0.0028	mg/L	0.01063	-2.761	µg/L	10.6341	385.11%
Ti 334.940†	15.5	0.0001	mg/L	0.00017	0.0960	µg/L	0.16735	174.38%
Tl 190.801†	-0.4	-0.0043	mg/L	0.00797	-4.319	µg/L	7.9713	184.58%
V 292.402†	20.5	0.0006	mg/L	0.00040	0.5640	µg/L	0.39796	70.57%
Zn 206.200†	23.0	0.0025	mg/L	0.00053	2.456	µg/L	0.5306	21.60%
Li 670.784†	157.7	0.0008	mg/L	0.00024	0.7829	µg/L	0.23663	30.22%

Sr 421.552†	37.9	0.0000	mg/L	0.00002	0.0301	µg/L	0.01522	50.59%

Sequence No.: 10
Sample ID: BB21302-BS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 2/14/2012 11:58:57 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21302-BS2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	642642.1	101.3	%	0.95				0.94%
Ag 328.068†	2784.0						50.83	1.83%
Al 308.215†	8503.0	2.141	mg/L	0.0184	2141	µg/L	18.4	0.86%
As 188.979†	235.7	0.5579	mg/L	0.00038	557.9	µg/L	0.38	0.07%
B 249.677†	6826.0	0.5388	mg/L	0.00353	538.8	µg/L	3.53	0.66%
Ba 233.527†	37864.9	2.198	mg/L	0.0179	2198	µg/L	17.9	0.81%
Be 313.107†	40425.1	0.0553	mg/L	0.00037	55.26	µg/L	0.369	0.67%
Ca 317.933†	447609.2	11.05	mg/L	0.031	11050	µg/L	31.1	0.28%
Cd 214.440†	1974.0	0.0536	mg/L	0.00070	53.64	µg/L	0.700	1.31%
Co 228.616†	3360.5	0.5452	mg/L	0.00478	545.2	µg/L	4.78	0.88%
Cr 205.560†	3263.9	0.5565	mg/L	0.00358	556.5	µg/L	3.58	0.64%
Cu 327.393†	18418.2	0.5491	mg/L	0.00450	549.1	µg/L	4.50	0.82%
Fe 238.204†	145589.4	5.518	mg/L	0.0418	5518	µg/L	41.8	0.76%
K 766.490†	154838.4	20.86	mg/L	0.033	20860	µg/L	33.0	0.16%
Mg 279.077†	41707.7	11.12	mg/L	0.091	11120	µg/L	91.4	0.82%
Mn 257.610†	73204.3	0.5570	mg/L	0.00437	557.0	µg/L	4.37	0.78%
Mo 202.031†	1846.4	0.5594	mg/L	0.00560	559.4	µg/L	5.60	1.00%
Na 589.592†	196040.0	10.83	mg/L	0.025	10830	µg/L	24.8	0.23%
Ni 231.604†	3877.7	0.5610	mg/L	0.00292	561.0	µg/L	2.92	0.52%
Pb 220.353†	788.4	0.5268	mg/L	0.00337	526.8	µg/L	3.37	0.64%
Sb 206.836†	386.3	0.5866	mg/L	0.00892	586.6	µg/L	8.92	1.52%
Se 196.026†	295.8	0.5644	mg/L	0.01102	564.4	µg/L	11.02	1.95%
Sn 189.927†	255.5	0.5634	mg/L	0.00619	563.4	µg/L	6.19	1.10%
Ti 334.940†	90052.5	0.5584	mg/L	0.00429	558.4	µg/L	4.29	0.77%
Tl 190.801†	58.5	0.5674	mg/L	0.01457	567.4	µg/L	14.57	2.57%
V 292.402†	19500.1	0.5370	mg/L	0.00469	537.0	µg/L	4.69	0.87%
Zn 206.200†	5359.7	0.5718	mg/L	0.00517	571.8	µg/L	5.17	0.90%
Li 670.784†	101953.9	0.5062	mg/L	0.00032	506.2	µg/L	0.32	0.06%
Sr 421.552†	678165.0	0.5382	mg/L	0.00073	538.2	µg/L	0.73	0.14%

Sequence No.: 11
Sample ID: 1202004-25
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 2/14/2012 12:02:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-25

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	640440.5	100.9	%	0.35				0.35%
Ag 328.068†	66.7						35.35	53.03%
Al 308.215†	-3.2	-0.0008	mg/L	0.00365	-0.8116	µg/L	3.65162	449.93%
As 188.979†	-1.0	-0.0022	mg/L	0.00914	-2.222	µg/L	9.1354	411.21%
B 249.677†	128.6	0.0102	mg/L	0.00127	10.16	µg/L	1.274	12.54%
Ba 233.527†	-0.8	0.0000	mg/L	0.00013	-0.0486	µg/L	0.12623	259.68%
Be 313.107†	-49.7	-0.0001	mg/L	0.00007	-0.0679	µg/L	0.06746	99.29%
Ca 317.933†	84.3	0.0021	mg/L	0.00178	2.083	µg/L	1.7844	85.66%
Cd 214.440†	3.7	0.0001	mg/L	0.00009	0.1015	µg/L	0.08765	86.34%
Co 228.616†	6.0	0.0010	mg/L	0.00075	0.9811	µg/L	0.74534	75.97%
Cr 205.560†	-2.9	-0.0005	mg/L	0.00042	-0.4953	µg/L	0.41867	84.53%
Cu 327.393†	-19.0	-0.0006	mg/L	0.00054	-0.5674	µg/L	0.54012	95.20%
Fe 238.204†	23.0	0.0009	mg/L	0.00041	0.8715	µg/L	0.40633	46.62%
K 766.490†	253.9	0.0342	mg/L	0.00776	34.19	µg/L	7.762	22.70%
Mg 279.077†	7.3	0.0019	mg/L	0.00260	1.939	µg/L	2.6009	134.15%
Mn 257.610†	6.2	0.0000	mg/L	0.00006	0.0475	µg/L	0.05739	120.87%
Mo 202.031†	5.1	0.0015	mg/L	0.00098	1.535	µg/L	0.9766	63.62%
Na 589.592†	326.9	0.0181	mg/L	0.00168	18.06	µg/L	1.681	9.31%

Ni 231.604†	1.6	0.0002	mg/L	0.00018	0.2296	µg/L	0.18380 80.05%
Pb 220.353†	2.1	0.0014	mg/L	0.00212	1.398	µg/L	2.1227 151.87%
Sb 206.836†	7.0	0.0110	mg/L	0.00482	11.01	µg/L	4.818 43.78%
Se 196.026†	4.7	0.0089	mg/L	0.00400	8.901	µg/L	4.0039 44.98%
Sn 189.927†	-1.1	-0.0026	mg/L	0.00604	-2.597	µg/L	6.0352 232.40%
Ti 334.940†	3.9	0.0000	mg/L	0.00014	0.0240	µg/L	0.14430 602.41%
Tl 190.801†	0.8	0.0079	mg/L	0.00679	7.921	µg/L	6.7942 85.78%
V 292.402†	7.2	0.0002	mg/L	0.00025	0.1976	µg/L	0.24567 124.33%
Zn 206.200†	10.3	0.0011	mg/L	0.00020	1.103	µg/L	0.1993 18.08%
Li 670.784†	0.9	0.0000	mg/L	0.00015	0.0047	µg/L	0.15394 >999.9%
Sr 421.552†	16.5	0.0000	mg/L	0.00004	0.0131	µg/L	0.03531 270.27%

Sequence No.: 12 **Autosampler Location: 20**
Sample ID: 1202004-26 **Date Collected: 2/14/2012 12:06:22 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1202004-26

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641013.3	101.0	%	0.35				0.35%
Ag 328.068†	-24.9						31.98	128.39%
Al 308.215†	399.9	0.0677	mg/L	0.00419	67.66	µg/L	4.185	6.19%
As 188.979†	5.0	0.0162	mg/L	0.00730	16.22	µg/L	7.298	44.99%
B 249.677†	1158.6	0.0915	mg/L	0.00286	91.49	µg/L	2.857	3.12%
Ba 233.527†	49810.5	2.891	mg/L	0.0065	2891	µg/L	6.5	0.22%
Be 313.107†	-31.6	0.0000	mg/L	0.00003	-0.0424	µg/L	0.02540	59.90%
Ca 317.933†	1411325.1	34.86	mg/L	0.052	34860	µg/L	52.1	0.15%
Cd 214.440†	-2.2	-0.0001	mg/L	0.00018	-0.0924	µg/L	0.18210	197.16%
Co 228.616†	-9.9	-0.0016	mg/L	0.00013	-1.601	µg/L	0.1334	8.33%
Cr 205.560†	22.4	0.0039	mg/L	0.00058	3.872	µg/L	0.5805	14.99%
Cu 327.393†	-59.3	-0.0044	mg/L	0.00042	-4.418	µg/L	0.4247	9.61%
Fe 238.204†	10936.7	0.4145	mg/L	0.00056	414.5	µg/L	0.56	0.13%
K 766.490†	15577.0	2.098	mg/L	0.0083	2098	µg/L	8.3	0.39%
Mg 279.077†	37883.1	10.10	mg/L	0.012	10100	µg/L	11.9	0.12%
Mn 257.610†	8290.5	0.0631	mg/L	0.00005	63.09	µg/L	0.047	0.07%
Mo 202.031†	-2.9	-0.0009	mg/L	0.00151	-0.8782	µg/L	1.50853	171.77%
Na 589.592†	909610.9	50.24	mg/L	0.179	50240	µg/L	179.1	0.36%
Ni 231.604†	-3.2	-0.0005	mg/L	0.00064	-0.4659	µg/L	0.63979	137.31%
Pb 220.353†	-25.1	-0.0168	mg/L	0.00310	-16.78	µg/L	3.099	18.47%
Sb 206.836†	11.3	0.0132	mg/L	0.00097	13.23	µg/L	0.969	7.32%
Se 196.026†	14.0	0.0268	mg/L	0.01026	26.80	µg/L	10.264	38.30%
Sn 189.927†	28.3	0.0153	mg/L	0.00410	15.27	µg/L	4.101	26.85%
Ti 334.940†	260.5	0.0016	mg/L	0.00046	1.615	µg/L	0.4629	28.66%
Tl 190.801†	12.4	0.1104	mg/L	0.02245	110.4	µg/L	22.45	20.34%
V 292.402†	24.3	0.0007	mg/L	0.00019	0.6699	µg/L	0.18632	27.81%
Zn 206.200†	20.8	0.0022	mg/L	0.00031	2.206	µg/L	0.3093	14.02%
Li 670.784†	19902.1	0.0988	mg/L	0.00079	98.81	µg/L	0.794	0.80%
Sr 421.552†	2264083.4	1.797	mg/L	0.0070	1797	µg/L	7.0	0.39%

Sequence No.: 13 **Autosampler Location: 21**
Sample ID: 1202004-27 **Date Collected: 2/14/2012 12:11:35 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1202004-27

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	634988.7	100.1	%	1.10				1.10%
Ag 328.068†	5.5						20.77	375.08%
Al 308.215†	483.4	0.0887	mg/L	0.00648	88.67	µg/L	6.479	7.31%
As 188.979†	0.5	0.0058	mg/L	0.01084	5.751	µg/L	10.8377	188.44%
B 249.677†	1119.7	0.0884	mg/L	0.00111	88.41	µg/L	1.105	1.25%
Ba 233.527†	50203.4	2.914	mg/L	0.0337	2914	µg/L	33.7	1.16%
Be 313.107†	-68.1	-0.0001	mg/L	0.00002	-0.0919	µg/L	0.01535	16.70%
Ca 317.933†	1415447.6	34.96	mg/L	0.196	34960	µg/L	196.4	0.56%

Cd 214.440†	8.3	0.0002	mg/L	0.00010	0.1881	µg/L	0.10135	53.87%
Co 228.616†	-12.3	-0.0020	mg/L	0.00054	-2.001	µg/L	0.5400	26.99%
Cr 205.560†	29.3	0.0051	mg/L	0.00066	5.065	µg/L	0.6578	12.99%
Cu 327.393†	-26.5	-0.0034	mg/L	0.00103	-3.447	µg/L	1.0316	29.92%
Fe 238.204†	12233.0	0.4637	mg/L	0.00376	463.7	µg/L	3.76	0.81%
K 766.490†	15687.4	2.113	mg/L	0.0245	2113	µg/L	24.5	1.16%
Mg 279.077†	38186.9	10.19	mg/L	0.115	10190	µg/L	114.5	1.12%
Mn 257.610†	8422.1	0.0641	mg/L	0.00072	64.09	µg/L	0.719	1.12%
Mo 202.031†	-1.0	-0.0003	mg/L	0.00044	-0.3162	µg/L	0.43886	138.81%
Na 589.592†	909596.5	50.24	mg/L	0.114	50240	µg/L	114.2	0.23%
Ni 231.604†	-3.4	-0.0005	mg/L	0.00053	-0.4929	µg/L	0.53195	107.91%
Pb 220.353†	-33.5	-0.0224	mg/L	0.00134	-22.37	µg/L	1.340	5.99%
Sb 206.836†	15.2	0.0192	mg/L	0.00351	19.18	µg/L	3.511	18.30%
Se 196.026†	17.1	0.0327	mg/L	0.01443	32.68	µg/L	14.428	44.14%
Sn 189.927†	27.6	0.0136	mg/L	0.00852	13.56	µg/L	8.518	62.80%
Ti 334.940†	400.8	0.0025	mg/L	0.00058	2.485	µg/L	0.5750	23.14%
Tl 190.801†	14.6	0.1327	mg/L	0.03151	132.7	µg/L	31.51	23.75%
V 292.402†	14.4	0.0004	mg/L	0.00021	0.3970	µg/L	0.20688	52.12%
Zn 206.200†	22.2	0.0024	mg/L	0.00033	2.353	µg/L	0.3323	14.12%
Li 670.784†	19779.6	0.0982	mg/L	0.00013	98.21	µg/L	0.127	0.13%
Sr 421.552†	2263206.6	1.796	mg/L	0.0010	1796	µg/L	1.0	0.06%

Sequence No.: 14
Sample ID: BB21302-DUP2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 2/14/2012 12:16:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21302-DUP2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	644968.8	101.6	%	0.43				0.42%
Ag 328.068†	-5.6						56.36	999.69%
Al 308.215†	504.2	0.0934	mg/L	0.00363	93.38	µg/L	3.629	3.89%
As 188.979†	0.3	0.0055	mg/L	0.00773	5.461	µg/L	7.7294	141.55%
B 249.677†	1128.1	0.0891	mg/L	0.00077	89.07	µg/L	0.770	0.86%
Ba 233.527†	50771.8	2.947	mg/L	0.0268	2947	µg/L	26.8	0.91%
Be 313.107†	-59.3	-0.0001	mg/L	0.00007	-0.0800	µg/L	0.06927	86.61%
Ca 317.933†	1438750.8	35.53	mg/L	0.017	35530	µg/L	16.7	0.05%
Cd 214.440†	6.5	0.0001	mg/L	0.00019	0.1364	µg/L	0.18986	139.16%
Co 228.616†	-11.6	-0.0019	mg/L	0.00076	-1.887	µg/L	0.7646	40.53%
Cr 205.560†	27.6	0.0048	mg/L	0.00069	4.780	µg/L	0.6948	14.54%
Cu 327.393†	-56.8	-0.0044	mg/L	0.00049	-4.396	µg/L	0.4903	11.15%
Fe 238.204†	12364.1	0.4686	mg/L	0.00409	468.6	µg/L	4.09	0.87%
K 766.490†	15722.2	2.118	mg/L	0.0199	2118	µg/L	19.9	0.94%
Mg 279.077†	38696.2	10.32	mg/L	0.062	10320	µg/L	62.0	0.60%
Mn 257.610†	8525.8	0.0649	mg/L	0.00049	64.88	µg/L	0.494	0.76%
Mo 202.031†	-0.4	-0.0001	mg/L	0.00160	-0.1224	µg/L	1.59718	>999.9%
Na 589.592†	920113.2	50.82	mg/L	0.293	50820	µg/L	293.2	0.58%
Ni 231.604†	4.7	0.0007	mg/L	0.00039	0.6765	µg/L	0.39298	58.09%
Pb 220.353†	-23.3	-0.0156	mg/L	0.00327	-15.61	µg/L	3.275	20.98%
Sb 206.836†	16.4	0.0210	mg/L	0.00442	21.04	µg/L	4.418	20.99%
Se 196.026†	10.4	0.0197	mg/L	0.00435	19.75	µg/L	4.351	22.03%
Sn 189.927†	28.9	0.0158	mg/L	0.00679	15.78	µg/L	6.788	43.03%
Ti 334.940†	453.0	0.0028	mg/L	0.00064	2.809	µg/L	0.6389	22.75%
Tl 190.801†	13.2	0.1178	mg/L	0.03180	117.8	µg/L	31.80	26.99%
V 292.402†	40.5	0.0011	mg/L	0.00048	1.116	µg/L	0.4768	42.73%
Zn 206.200†	16.8	0.0018	mg/L	0.00018	1.780	µg/L	0.1769	9.94%
Li 670.784†	20057.3	0.0996	mg/L	0.00112	99.58	µg/L	1.115	1.12%
Sr 421.552†	2296887.8	1.823	mg/L	0.0105	1823	µg/L	10.5	0.58%

Sequence No.: 15
Sample ID: 1202004-28
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 2/14/2012 12:22:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-28

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	651114.0	102.6	%	0.69				0.67%
Ag 328.068†	-27.0						32.40	119.85%
Al 308.215†	29.9	-0.0134	mg/L	0.00510	-13.42	µg/L	5.095	37.98%
As 188.979†	0.3	0.0032	mg/L	0.00823	3.176	µg/L	8.2339	259.23%
B 249.677†	121.3	0.0096	mg/L	0.00083	9.574	µg/L	0.8276	8.64%
Ba 233.527†	325.5	0.0189	mg/L	0.00026	18.89	µg/L	0.259	1.37%
Be 313.107†	-47.3	-0.0001	mg/L	0.00006	-0.0640	µg/L	0.06296	98.44%
Ca 317.933†	883466.8	21.82	mg/L	0.109	21820	µg/L	109.0	0.50%
Cd 214.440†	2.0	0.0001	mg/L	0.00017	0.0543	µg/L	0.16845	310.05%
Co 228.616†	6.5	0.0011	mg/L	0.00143	1.054	µg/L	1.4312	135.80%
Cr 205.560†	15.3	0.0026	mg/L	0.00079	2.611	µg/L	0.7895	30.24%
Cu 327.393†	11.3	-0.0013	mg/L	0.00078	-1.320	µg/L	0.7785	58.99%
Fe 238.204†	408.1	0.0155	mg/L	0.00013	15.47	µg/L	0.129	0.83%
K 766.490†	4707.9	0.6341	mg/L	0.01559	634.1	µg/L	15.59	2.46%
Mg 279.077†	18983.2	5.063	mg/L	0.0504	5063	µg/L	50.4	1.00%
Mn 257.610†	1587.5	0.0121	mg/L	0.00010	12.08	µg/L	0.102	0.84%
Mo 202.031†	1.5	0.0005	mg/L	0.00125	0.4534	µg/L	1.24638	274.87%
Na 589.592†	96242.0	5.315	mg/L	0.0125	5315	µg/L	12.5	0.24%
Ni 231.604†	-6.9	-0.0010	mg/L	0.00030	-0.9921	µg/L	0.29947	30.19%
Pb 220.353†	-22.3	-0.0149	mg/L	0.00154	-14.90	µg/L	1.542	10.35%
Sb 206.836†	3.1	0.0028	mg/L	0.01006	2.755	µg/L	10.0600	365.20%
Se 196.026†	7.2	0.0137	mg/L	0.00168	13.68	µg/L	1.679	12.27%
Sn 189.927†	17.2	0.0085	mg/L	0.00345	8.507	µg/L	3.4516	40.57%
Ti 334.940†	32.7	0.0002	mg/L	0.00006	0.2030	µg/L	0.06077	29.93%
Tl 190.801†	7.2	0.0663	mg/L	0.01070	66.29	µg/L	10.697	16.14%
V 292.402†	11.5	0.0003	mg/L	0.00029	0.3179	µg/L	0.28630	90.05%
Zn 206.200†	53.5	0.0057	mg/L	0.00038	5.708	µg/L	0.3765	6.60%
Li 670.784†	893.3	0.0044	mg/L	0.00010	4.435	µg/L	0.1033	2.33%
Sr 421.552†	52134.1	0.0414	mg/L	0.00007	41.37	µg/L	0.073	0.18%

Sequence No.: 16
Sample ID: 1202004-29
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 2/14/2012 12:25:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-29

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641406.3	101.1	%	0.50				0.49%
Ag 328.068†	-3.0						21.15	709.46%
Al 308.215†	19.4	-0.0352	mg/L	0.00830	-35.17	µg/L	8.299	23.60%
As 188.979†	3.6	0.0112	mg/L	0.01257	11.20	µg/L	12.575	112.26%
B 249.677†	198.9	0.0157	mg/L	0.00087	15.71	µg/L	0.869	5.53%
Ba 233.527†	1508.3	0.0876	mg/L	0.00020	87.55	µg/L	0.202	0.23%
Be 313.107†	-120.2	-0.0002	mg/L	0.00002	-0.1628	µg/L	0.02404	14.76%
Ca 317.933†	1687199.8	41.67	mg/L	0.161	41670	µg/L	161.2	0.39%
Cd 214.440†	5.7	0.0002	mg/L	0.00007	0.1788	µg/L	0.07011	39.20%
Co 228.616†	9.3	0.0015	mg/L	0.00072	1.507	µg/L	0.7244	48.06%
Cr 205.560†	32.4	0.0055	mg/L	0.00161	5.515	µg/L	1.6136	29.26%
Cu 327.393†	2428.0	0.0693	mg/L	0.00083	69.33	µg/L	0.829	1.20%
Fe 238.204†	33.0	0.0013	mg/L	0.00026	1.252	µg/L	0.2642	21.10%
K 766.490†	8406.2	1.132	mg/L	0.0075	1132	µg/L	7.5	0.66%
Mg 279.077†	21955.5	5.856	mg/L	0.0355	5856	µg/L	35.5	0.61%
Mn 257.610†	330.4	0.0025	mg/L	0.00013	2.514	µg/L	0.1310	5.21%
Mo 202.031†	-2.0	-0.0006	mg/L	0.00044	-0.5959	µg/L	0.43600	73.16%
Na 589.592†	231591.0	12.79	mg/L	0.021	12790	µg/L	21.1	0.16%
Ni 231.604†	-3.7	-0.0005	mg/L	0.00104	-0.5331	µg/L	1.03553	194.24%
Pb 220.353†	-22.1	-0.0148	mg/L	0.00099	-14.80	µg/L	0.987	6.67%
Sb 206.836†	14.7	0.0206	mg/L	0.00072	20.61	µg/L	0.715	3.47%
Se 196.026†	12.9	0.0247	mg/L	0.00308	24.70	µg/L	3.078	12.46%
Sn 189.927†	32.6	0.0156	mg/L	0.00829	15.57	µg/L	8.290	53.24%
Ti 334.940†	9.0	0.0001	mg/L	0.00027	0.0558	µg/L	0.27184	487.20%
Tl 190.801†	12.3	0.1169	mg/L	0.00861	116.9	µg/L	8.61	7.37%
V 292.402†	21.9	0.0006	mg/L	0.00024	0.6030	µg/L	0.23879	39.60%
Zn 206.200†	59.2	0.0063	mg/L	0.00064	6.317	µg/L	0.6362	10.07%
Li 670.784†	1874.7	0.0093	mg/L	0.00043	9.308	µg/L	0.4322	4.64%
Sr 421.552†	368432.4	0.2924	mg/L	0.00033	292.4	µg/L	0.33	0.11%

Sequence No.: 17
Sample ID: 1202004-30
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 2/14/2012 12:29:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-30

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	648872.9	102.3	%	0.12				0.12%
Ag 328.068†	-1.4						41.32	>999.9%
Al 308.215†	-4.2	-0.0251	mg/L	0.00202	-25.10	µg/L	2.022	8.06%
As 188.979†	1.7	0.0054	mg/L	0.00697	5.355	µg/L	6.9675	130.11%
B 249.677†	77.2	0.0061	mg/L	0.00049	6.098	µg/L	0.4877	8.00%
Ba 233.527†	2641.6	0.1533	mg/L	0.00046	153.3	µg/L	0.46	0.30%
Be 313.107†	-43.7	-0.0001	mg/L	0.00002	-0.0590	µg/L	0.01677	28.44%
Ca 317.933†	1011877.6	24.99	mg/L	0.046	24990	µg/L	46.0	0.18%
Cd 214.440†	1.5	0.0000	mg/L	0.00020	0.0426	µg/L	0.19891	467.07%
Co 228.616†	6.4	0.0010	mg/L	0.00061	1.046	µg/L	0.6133	58.61%
Cr 205.560†	18.3	0.0031	mg/L	0.00054	3.118	µg/L	0.5399	17.31%
Cu 327.393†	133.7	0.0021	mg/L	0.00076	2.094	µg/L	0.7631	36.45%
Fe 238.204†	75.1	0.0028	mg/L	0.00021	2.847	µg/L	0.2101	7.38%
K 766.490†	6326.8	0.8522	mg/L	0.01099	852.2	µg/L	10.99	1.29%
Mg 279.077†	11204.2	2.989	mg/L	0.0129	2989	µg/L	12.9	0.43%
Mn 257.610†	79.9	0.0006	mg/L	0.00006	0.6079	µg/L	0.05531	9.10%
Mo 202.031†	-0.5	-0.0002	mg/L	0.00173	-0.1550	µg/L	1.73220	>999.9%
Na 589.592†	51008.0	2.817	mg/L	0.0065	2817	µg/L	6.5	0.23%
Ni 231.604†	0.9	0.0001	mg/L	0.00041	0.1318	µg/L	0.41393	314.15%
Pb 220.353†	-26.5	-0.0177	mg/L	0.00329	-17.73	µg/L	3.291	18.56%
Sb 206.836†	9.9	0.0143	mg/L	0.00659	14.35	µg/L	6.595	45.97%
Se 196.026†	8.6	0.0164	mg/L	0.00666	16.35	µg/L	6.660	40.73%
Sn 189.927†	20.1	0.0105	mg/L	0.00498	10.54	µg/L	4.977	47.20%
Ti 334.940†	-2.5	0.0000	mg/L	0.00022	-0.0156	µg/L	0.21810	>999.9%
Tl 190.801†	8.0	0.0774	mg/L	0.00503	77.39	µg/L	5.030	6.50%
V 292.402†	20.1	0.0006	mg/L	0.00010	0.5537	µg/L	0.09687	17.50%
Zn 206.200†	28.2	0.0030	mg/L	0.00039	3.014	µg/L	0.3898	12.93%
Li 670.784†	983.6	0.0049	mg/L	0.00042	4.884	µg/L	0.4217	8.64%
Sr 421.552†	83747.9	0.0665	mg/L	0.00016	66.46	µg/L	0.161	0.24%

Sequence No.: 18
Sample ID: 1202004-31
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 2/14/2012 12:33:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-31

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	648858.2	102.3	%	0.16				0.15%
Ag 328.068†	21.7						29.08	133.93%
Al 308.215†	10.2	0.0026	mg/L	0.00153	2.584	µg/L	1.5256	59.03%
As 188.979†	-5.8	-0.0134	mg/L	0.00955	-13.42	µg/L	9.547	71.12%
B 249.677†	72.1	0.0057	mg/L	0.00073	5.697	µg/L	0.7323	12.85%
Ba 233.527†	1.8	0.0001	mg/L	0.00009	0.1066	µg/L	0.08794	82.51%
Be 313.107†	-52.3	-0.0001	mg/L	0.00003	-0.0713	µg/L	0.02516	35.31%
Ca 317.933†	18.6	0.0005	mg/L	0.00086	0.4589	µg/L	0.86226	187.89%
Cd 214.440†	0.7	0.0000	mg/L	0.00007	0.0194	µg/L	0.07047	363.80%
Co 228.616†	5.8	0.0009	mg/L	0.00056	0.9391	µg/L	0.55700	59.31%
Cr 205.560†	2.0	0.0003	mg/L	0.00074	0.3325	µg/L	0.74332	223.53%
Cu 327.393†	-37.1	-0.0011	mg/L	0.00054	-1.109	µg/L	0.5400	48.68%
Fe 238.204†	-4.5	-0.0002	mg/L	0.00007	-0.1701	µg/L	0.07154	42.07%
K 766.490†	-10.4	-0.0014	mg/L	0.00281	-1.397	µg/L	2.8080	201.05%
Mg 279.077†	3.0	0.0008	mg/L	0.00267	0.8072	µg/L	2.67121	330.93%
Mn 257.610†	-1.9	0.0000	mg/L	0.00004	-0.0145	µg/L	0.03869	266.34%
Mo 202.031†	2.9	0.0009	mg/L	0.00046	0.8874	µg/L	0.46387	52.27%
Na 589.592†	246.1	0.0136	mg/L	0.00290	13.59	µg/L	2.902	21.35%
Ni 231.604†	-0.6	-0.0001	mg/L	0.00016	-0.0843	µg/L	0.15644	185.63%

Pb 220.353†	-10.6	-0.0071 mg/L	0.00302	-7.075 µg/L	3.0229	42.73%
Sb 206.836†	4.5	0.0071 mg/L	0.00175	7.110 µg/L	1.7477	24.58%
Se 196.026†	1.2	0.0023 mg/L	0.00978	2.268 µg/L	9.7790	431.26%
Sn 189.927†	0.2	0.0005 mg/L	0.00311	0.4815 µg/L	3.11270	646.45%
Ti 334.940†	18.2	0.0001 mg/L	0.00020	0.1129 µg/L	0.19500	172.76%
Tl 190.801†	-0.3	-0.0035 mg/L	0.00391	-3.541 µg/L	3.9071	110.34%
V 292.402†	3.3	0.0001 mg/L	0.00029	0.0897 µg/L	0.28780	320.71%
Zn 206.200†	-2.6	-0.0003 mg/L	0.00016	-0.2752 µg/L	0.15941	57.93%
Li 670.784†	-91.1	-0.0005 mg/L	0.00014	-0.4523 µg/L	0.14420	31.88%
Sr 421.552†	-37.2	0.0000 mg/L	0.00004	-0.0295 µg/L	0.03862	130.89%

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

Autosampler Location: 1
Date Collected: 2/14/2012 12:36:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IBL

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	642536.8	101.3	%	0.46				0.46%
Ag 328.068†	102.2						39.11	38.26%
Unable to evaluate QC.								
Al 308.215†	-18.5	-0.0047	mg/L	0.00244	-4.675	µg/L	2.4398	52.19%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-2.3	-0.0054	mg/L	0.00101	-5.445	µg/L	1.0123	18.59%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	7.8	0.0006	mg/L	0.00024	0.6149	µg/L	0.23876	38.83%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	2.2	0.0001	mg/L	0.00027	0.1265	µg/L	0.27489	217.34%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-58.5	-0.0001	mg/L	0.00005	-0.0798	µg/L	0.04503	56.46%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	186.2	0.0046	mg/L	0.00183	4.598	µg/L	1.8271	39.74%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	4.3	0.0001	mg/L	0.00003	0.1184	µg/L	0.03122	26.37%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	3.1	0.0005	mg/L	0.00059	0.5096	µg/L	0.59364	116.50%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	1.3	0.0002	mg/L	0.00057	0.2207	µg/L	0.56625	256.58%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	-40.2	-0.0012	mg/L	0.00106	-1.200	µg/L	1.0599	88.36%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	8.1	0.0003	mg/L	0.00060	0.3074	µg/L	0.60021	195.26%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	149.7	0.0202	mg/L	0.00198	20.17	µg/L	1.980	9.82%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	6.2	0.0017	mg/L	0.00521	1.652	µg/L	5.2079	315.16%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	24.3	0.0002	mg/L	0.00002	0.1848	µg/L	0.02490	13.48%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-1.3	-0.0004	mg/L	0.00045	-0.3920	µg/L	0.44540	113.62%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	281.5	0.0155	mg/L	0.00202	15.55	µg/L	2.025	13.02%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-5.0	-0.0007	mg/L	0.00051	-0.7272	µg/L	0.50863	69.94%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-5.0	-0.0033	mg/L	0.00523	-3.316	µg/L	5.2262	157.60%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 206.836†	7.5	0.0118	mg/L	0.00399	11.76	µg/L	3.988	33.93%
QC value within limits for Sb 206.836 Recovery = Not calculated								
Se 196.026†	2.5	0.0047	mg/L	0.01428	4.713	µg/L	14.2753	302.88%
QC value within limits for Se 196.026 Recovery = Not calculated								
Sn 189.927†	-2.3	-0.0053	mg/L	0.00323	-5.276	µg/L	3.2294	61.21%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Ti 334.940†	-15.9	-0.0001	mg/L	0.00011	-0.0987	µg/L	0.11301	114.46%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.2	0.0124	mg/L	0.00363	12.42	µg/L	3.630	29.23%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.402†	2.4	0.0001	mg/L	0.00040	0.0662	µg/L	0.39627	598.51%

QC value within limits for V 292.402 Recovery = Not calculated
Zn 206.200† 9.5 0.0010 mg/L 0.00027 1.018 µg/L 0.2682 26.34%
QC value within limits for Zn 206.200 Recovery = Not calculated
Li 670.784† -38.4 -0.0002 mg/L 0.00025 -0.1909 µg/L 0.24950 130.72%
QC value within limits for Li 670.784 Recovery = Not calculated
Sr 421.552† -4.6 0.0000 mg/L 0.00003 -0.0036 µg/L 0.03037 838.09%
QC value within limits for Sr 421.552 Recovery = Not calculated
All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 20
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/14/2012 12:40:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	641285.0	101.1	%	0.07				0.07%
Ag 328.068†	-322.1						20.80	6.46%
Al 308.215†	39082.1	9.863	mg/L	0.0728	9863	µg/L	72.8	0.74%
QC value within limits for Al 308.215 Recovery = 98.63%								
As 188.979†	2206.9	5.145	mg/L	0.0120	5145	µg/L	12.0	0.23%
QC value within limits for As 188.979 Recovery = 102.89%								
B 249.677†	31450.0	2.480	mg/L	0.0126	2480	µg/L	12.6	0.51%
QC value within limits for B 249.677 Recovery = 99.20%								
Ba 233.527†	43053.6	2.499	mg/L	0.0102	2499	µg/L	10.2	0.41%
QC value within limits for Ba 233.527 Recovery = 99.96%								
Be 313.107†	1839373.9	2.510	mg/L	0.0031	2510	µg/L	3.1	0.12%
QC value within limits for Be 313.107 Recovery = 100.41%								
Ca 317.933†	1034533.3	25.55	mg/L	0.050	25550	µg/L	49.8	0.19%
QC value within limits for Ca 317.933 Recovery = 102.20%								
Cd 214.440†	93132.2	2.538	mg/L	0.0005	2538	µg/L	0.5	0.02%
QC value within limits for Cd 214.440 Recovery = 101.52%								
Co 228.616†	15437.6	2.505	mg/L	0.0104	2505	µg/L	10.4	0.41%
QC value within limits for Co 228.616 Recovery = 100.18%								
Cr 205.560†	29966.5	5.104	mg/L	0.0275	5104	µg/L	27.5	0.54%
QC value within limits for Cr 205.560 Recovery = 102.07%								
Cu 327.393†	164239.2	4.902	mg/L	0.0434	4902	µg/L	43.4	0.89%
QC value within limits for Cu 327.393 Recovery = 98.05%								
Fe 238.204†	270758.7	10.26	mg/L	0.025	10260	µg/L	24.5	0.24%
QC value within limits for Fe 238.204 Recovery = 102.62%								
K 766.490†	180158.8	24.27	mg/L	0.032	24270	µg/L	32.3	0.13%
QC value within limits for K 766.490 Recovery = 97.06%								
Mg 279.077†	95212.7	25.40	mg/L	0.053	25400	µg/L	53.1	0.21%
QC value within limits for Mg 279.077 Recovery = 101.58%								
Mn 257.610†	669541.3	5.095	mg/L	0.0102	5095	µg/L	10.2	0.20%
QC value within limits for Mn 257.610 Recovery = 101.90%								
Mo 202.031†	1701.8	0.5156	mg/L	0.00260	515.6	µg/L	2.60	0.50%
QC value within limits for Mo 202.031 Recovery = 103.11%								
Na 589.592†	453168.5	25.03	mg/L	0.039	25030	µg/L	39.4	0.16%
QC value within limits for Na 589.592 Recovery = 100.11%								
Ni 231.604†	35705.4	5.166	mg/L	0.0238	5166	µg/L	23.8	0.46%
QC value within limits for Ni 231.604 Recovery = 103.32%								
Pb 220.353†	3755.8	2.506	mg/L	0.0081	2506	µg/L	8.1	0.32%
QC value within limits for Pb 220.353 Recovery = 100.24%								
Sb 206.836†	1718.7	2.578	mg/L	0.0320	2578	µg/L	32.0	1.24%
QC value within limits for Sb 206.836 Recovery = 103.11%								
Se 196.026†	1380.3	2.634	mg/L	0.0086	2634	µg/L	8.6	0.33%
QC value greater than the upper limit for Se 196.026 Recovery = 105.34%								
Sn 189.927†	1152.5	2.576	mg/L	0.0202	2576	µg/L	20.2	0.78%
QC value within limits for Sn 189.927 Recovery = 103.04%								
Ti 334.940†	81309.4	0.5042	mg/L	0.00412	504.2	µg/L	4.12	0.82%
QC value within limits for Ti 334.940 Recovery = 100.83%								
Tl 190.801†	258.4	2.572	mg/L	0.0379	2572	µg/L	37.9	1.47%
QC value within limits for Tl 190.801 Recovery = 102.87%								
V 292.402†	45515.9	1.253	mg/L	0.0088	1253	µg/L	8.8	0.71%
QC value within limits for V 292.402 Recovery = 100.28%								
Zn 206.200†	98415.2	10.51	mg/L	0.021	10510	µg/L	21.0	0.20%
QC value greater than the upper limit for Zn 206.200 Recovery = 105.05%								

Li 670.784†	469508.5	2.331 mg/L	0.0008	2331 µg/L	0.8	0.03%
QC value within limits for Li 670.784 Recovery = 93.24%						
Sr 421.552†	3113629.9	2.471 mg/L	0.0197	2471 µg/L	19.7	0.80%
QC value within limits for Sr 421.552 Recovery = 98.83%						

QC Failed. Continue with analysis.

Sequence No.: 21
Sample ID: 1202004-32
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 2/14/2012 12:44:41 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-32

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	648035.0	102.1	%	0.48				0.47%
Ag 328.068†	-24.0						43.19	179.99%
Al 308.215†	1.9	-0.0365	mg/L	0.01006	-36.47	µg/L	10.060	27.59%
As 188.979†	2.9	0.0114	mg/L	0.00979	11.43	µg/L	9.793	85.65%
B 249.677†	380.1	0.0300	mg/L	0.00262	30.03	µg/L	2.623	8.73%
Ba 233.527†	2832.3	0.1644	mg/L	0.00047	164.4	µg/L	0.47	0.28%
Be 313.107†	97.1	0.0001	mg/L	0.00007	0.1335	µg/L	0.07423	55.59%
Ca 317.933†	1555686.9	38.42	mg/L	0.124	38420	µg/L	124.5	0.32%
Cd 214.440†	-1.0	0.0000	mg/L	0.00020	-0.0258	µg/L	0.19975	774.47%
Co 228.616†	7.6	0.0012	mg/L	0.00192	1.239	µg/L	1.9232	155.25%
Cr 205.560†	30.8	0.0052	mg/L	0.00059	5.250	µg/L	0.5897	11.23%
Cu 327.393†	67.7	-0.0009	mg/L	0.00061	-0.8954	µg/L	0.61237	68.39%
Fe 238.204†	217.3	0.0082	mg/L	0.00020	8.237	µg/L	0.2042	2.48%
K 766.490†	8499.2	1.145	mg/L	0.0123	1145	µg/L	12.3	1.08%
Mg 279.077†	35780.1	9.544	mg/L	0.0225	9544	µg/L	22.5	0.24%
Mn 257.610†	224.6	0.0017	mg/L	0.00005	1.709	µg/L	0.0522	3.05%
Mo 202.031†	-0.6	-0.0002	mg/L	0.00068	-0.1750	µg/L	0.68476	391.27%
Na 589.592†	209580.3	11.58	mg/L	0.018	11580	µg/L	18.0	0.16%
Ni 231.604†	-2.9	-0.0004	mg/L	0.00074	-0.4188	µg/L	0.74401	177.63%
Pb 220.353†	-31.1	-0.0208	mg/L	0.00492	-20.81	µg/L	4.922	23.65%
Sb 206.836†	20.9	0.0289	mg/L	0.00473	28.94	µg/L	4.731	16.35%
Se 196.026†	6.9	0.0131	mg/L	0.00177	13.15	µg/L	1.766	13.43%
Sn 189.927†	28.2	0.0102	mg/L	0.01368	10.22	µg/L	13.683	133.89%
Ti 334.940†	22.8	0.0001	mg/L	0.00019	0.1415	µg/L	0.19221	135.80%
Tl 190.801†	12.0	0.1088	mg/L	0.00673	108.8	µg/L	6.73	6.19%
V 292.402†	33.0	0.0009	mg/L	0.00024	0.9090	µg/L	0.23516	25.87%
Zn 206.200†	44.6	0.0048	mg/L	0.00050	4.762	µg/L	0.4958	10.41%
Li 670.784†	2232.9	0.0111	mg/L	0.00016	11.09	µg/L	0.163	1.47%
Sr 421.552†	233718.8	0.1855	mg/L	0.00030	185.5	µg/L	0.30	0.16%

Sequence No.: 22
Sample ID: BB21302-MS2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 2/14/2012 12:48:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21302-MS2

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	644199.5	101.5	%	0.68				0.67%
Ag 328.068†	2637.1						36.05	1.37%
Al 308.215†	8185.0	2.021	mg/L	0.0116	2021	µg/L	11.6	0.58%
As 188.979†	235.4	0.5620	mg/L	0.00719	562.0	µg/L	7.19	1.28%
B 249.677†	6812.1	0.5377	mg/L	0.00635	537.7	µg/L	6.35	1.18%
Ba 233.527†	39334.3	2.283	mg/L	0.0225	2283	µg/L	22.5	0.99%
Be 313.107†	38573.5	0.0527	mg/L	0.00036	52.73	µg/L	0.364	0.69%
Ca 317.933†	2076280.5	51.28	mg/L	0.223	51280	µg/L	223.0	0.43%
Cd 214.440†	1902.2	0.0517	mg/L	0.00041	51.68	µg/L	0.410	0.79%
Co 228.616†	3202.2	0.5195	mg/L	0.00302	519.5	µg/L	3.02	0.58%
Cr 205.560†	3185.6	0.5432	mg/L	0.00225	543.2	µg/L	2.25	0.41%
Cu 327.393†	17044.0	0.5050	mg/L	0.00538	505.0	µg/L	5.38	1.07%
Fe 238.204†	141797.4	5.375	mg/L	0.0529	5375	µg/L	52.9	0.98%
K 766.490†	159011.8	21.42	mg/L	0.058	21420	µg/L	58.3	0.27%

Mg 279.077†	78141.9	20.84	mg/L	0.214	20840	µg/L	213.7	1.03%
Mn 257.610†	70817.0	0.5389	mg/L	0.00463	538.9	µg/L	4.63	0.86%
Mo 202.031†	1822.8	0.5522	mg/L	0.00179	552.2	µg/L	1.79	0.32%
Na 589.592†	409394.1	22.61	mg/L	0.113	22610	µg/L	112.6	0.50%
Ni 231.604†	3672.8	0.5314	mg/L	0.00467	531.4	µg/L	4.67	0.88%
Pb 220.353†	740.1	0.4945	mg/L	0.00770	494.5	µg/L	7.70	1.56%
Sb 206.836†	397.5	0.6007	mg/L	0.01217	600.7	µg/L	12.17	2.03%
Se 196.026†	299.5	0.5715	mg/L	0.00721	571.5	µg/L	7.21	1.26%
Sn 189.927†	280.1	0.5630	mg/L	0.00210	563.0	µg/L	2.10	0.37%
Ti 334.940†	86881.1	0.5387	mg/L	0.00469	538.7	µg/L	4.69	0.87%
Tl 190.801†	68.4	0.6547	mg/L	0.01216	654.7	µg/L	12.16	1.86%
V 292.402†	18865.7	0.5196	mg/L	0.00357	519.6	µg/L	3.57	0.69%
Zn 206.200†	5206.9	0.5555	mg/L	0.00747	555.5	µg/L	7.47	1.34%
Li 670.784†	99043.1	0.4917	mg/L	0.00135	491.7	µg/L	1.35	0.27%
Sr 421.552†	894777.3	0.7100	mg/L	0.00282	710.0	µg/L	2.82	0.40%

Sequence No.: 23
Sample ID: 1202004-33
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 2/14/2012 12:53:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-33

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	644182.9	101.5	%	0.90				0.89%
Ag 328.068†	15.6						34.64	222.15%
Al 308.215†	9.6	-0.0220	mg/L	0.00820	-21.98	µg/L	8.195	37.28%
As 188.979†	4.1	0.0111	mg/L	0.00352	11.09	µg/L	3.523	31.78%
B 249.677†	134.2	0.0106	mg/L	0.00095	10.60	µg/L	0.954	9.00%
Ba 233.527†	2701.2	0.1568	mg/L	0.00137	156.8	µg/L	1.37	0.87%
Be 313.107†	-69.5	-0.0001	mg/L	0.00007	-0.0942	µg/L	0.07201	76.44%
Ca 317.933†	1027663.7	25.38	mg/L	0.153	25380	µg/L	152.7	0.60%
Cd 214.440†	9.1	0.0002	mg/L	0.00018	0.2487	µg/L	0.18191	73.14%
Co 228.616†	14.0	0.0023	mg/L	0.00054	2.271	µg/L	0.5352	23.56%
Cr 205.560†	19.0	0.0032	mg/L	0.00042	3.231	µg/L	0.4246	13.14%
Cu 327.393†	-7.5	-0.0022	mg/L	0.00037	-2.152	µg/L	0.3657	16.99%
Fe 238.204†	161.0	0.0061	mg/L	0.00029	6.102	µg/L	0.2904	4.76%
K 766.490†	6566.7	0.8845	mg/L	0.00309	884.5	µg/L	3.09	0.35%
Mg 279.077†	11428.2	3.048	mg/L	0.0200	3048	µg/L	20.0	0.66%
Mn 257.610†	170.6	0.0013	mg/L	0.00008	1.299	µg/L	0.0843	6.49%
Mo 202.031†	1.9	0.0006	mg/L	0.00055	0.5647	µg/L	0.55087	97.55%
Na 589.592†	51803.7	2.861	mg/L	0.0090	2861	µg/L	9.0	0.32%
Ni 231.604†	-0.9	-0.0001	mg/L	0.00060	-0.1319	µg/L	0.59990	454.95%
Pb 220.353†	-16.7	-0.0112	mg/L	0.00078	-11.17	µg/L	0.779	6.97%
Sb 206.836†	16.4	0.0245	mg/L	0.00298	24.51	µg/L	2.982	12.16%
Se 196.026†	6.7	0.0128	mg/L	0.00164	12.76	µg/L	1.644	12.88%
Sn 189.927†	19.9	0.0096	mg/L	0.00467	9.623	µg/L	4.6684	48.51%
Ti 334.940†	6.7	0.0000	mg/L	0.00011	0.0413	µg/L	0.10605	257.08%
Tl 190.801†	8.6	0.0841	mg/L	0.01555	84.06	µg/L	15.547	18.50%
V 292.402†	34.3	0.0009	mg/L	0.00018	0.9448	µg/L	0.17644	18.67%
Zn 206.200†	18.1	0.0019	mg/L	0.00051	1.926	µg/L	0.5099	26.48%
Li 670.784†	933.4	0.0046	mg/L	0.00029	4.634	µg/L	0.2898	6.25%
Sr 421.552†	84502.8	0.0671	mg/L	0.00018	67.06	µg/L	0.179	0.27%

Sequence No.: 24
Sample ID: 1202004-34
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 30
Date Collected: 2/14/2012 12:57:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-34

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	650680.1	102.5	%	0.57				0.55%
Ag 328.068†	-49.2						41.98	85.40%
Al 308.215†	9.6	-0.0387	mg/L	0.00306	-38.69	µg/L	3.060	7.91%
As 188.979†	5.4	0.0157	mg/L	0.00501	15.71	µg/L	5.014	31.92%

B 249.677†	234.4	0.0185 mg/L	0.00097	18.52 µg/L	0.973	5.25%
Ba 233.527†	1550.3	0.0900 mg/L	0.00087	89.99 µg/L	0.865	0.96%
Be 313.107†	-99.7	-0.0001 mg/L	0.00002	-0.1348 µg/L	0.02467	18.30%
Ca 317.933†	1731436.1	42.76 mg/L	0.141	42760 µg/L	141.4	0.33%
Cd 214.440†	1.6	0.0000 mg/L	0.00004	0.0466 µg/L	0.04490	96.34%
Co 228.616†	9.4	0.0015 mg/L	0.00055	1.518 µg/L	0.5517	36.33%
Cr 205.560†	33.0	0.0056 mg/L	0.00076	5.623 µg/L	0.7566	13.46%
Cu 327.393†	31.7	-0.0023 mg/L	0.00071	-2.303 µg/L	0.7076	30.73%
Fe 238.204†	26.8	0.0010 mg/L	0.00023	1.016 µg/L	0.2266	22.31%
K 766.490†	8507.0	1.146 mg/L	0.0061	1146 µg/L	6.1	0.53%
Mg 279.077†	22517.3	6.006 mg/L	0.0204	6006 µg/L	20.4	0.34%
Mn 257.610†	317.8	0.0024 mg/L	0.00006	2.418 µg/L	0.0621	2.57%
Mo 202.031†	-2.5	-0.0007 mg/L	0.00152	-0.7466 µg/L	1.52243	203.92%
Na 589.592†	234345.3	12.94 mg/L	0.017	12940 µg/L	16.6	0.13%
Ni 231.604†	-5.4	-0.0008 mg/L	0.00019	-0.7747 µg/L	0.18899	24.39%
Pb 220.353†	-24.8	-0.0166 mg/L	0.00566	-16.62 µg/L	5.657	34.03%
Sb 206.836†	14.0	0.0195 mg/L	0.00879	19.51 µg/L	8.789	45.05%
Se 196.026†	12.7	0.0242 mg/L	0.00595	24.17 µg/L	5.952	24.62%
Sn 189.927†	30.9	0.0102 mg/L	0.00792	10.16 µg/L	7.920	77.91%
Ti 334.940†	7.9	0.0000 mg/L	0.00021	0.0487 µg/L	0.20979	430.53%
Tl 190.801†	11.8	0.1122 mg/L	0.02525	112.2 µg/L	25.25	22.50%
V 292.402†	25.7	0.0007 mg/L	0.00067	0.7078 µg/L	0.66643	94.16%
Zn 206.200†	23.5	0.0025 mg/L	0.00016	2.501 µg/L	0.1584	6.33%
Li 670.784†	1985.9	0.0099 mg/L	0.00034	9.860 µg/L	0.3415	3.46%
Sr 421.552†	377316.0	0.2994 mg/L	0.00036	299.4 µg/L	0.36	0.12%

Sequence No.: 25
Sample ID: 1202004-35
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 2/14/2012 1:00:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-35

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	643083.5	101.3	%	0.10				0.10%
Ag 328.068†	-17.1						22.75	133.12%
Al 308.215†	-10.2	-0.0402	mg/L	0.00500	-40.23	µg/L	5.003	12.44%
As 188.979†	3.2	0.0122	mg/L	0.00385	12.24	µg/L	3.847	31.44%
B 249.677†	225.3	0.0178	mg/L	0.00057	17.80	µg/L	0.571	3.21%
Ba 233.527†	2876.8	0.1670	mg/L	0.00138	167.0	µg/L	1.38	0.83%
Be 313.107†	-88.2	-0.0001	mg/L	0.00003	-0.1197	µg/L	0.03141	26.25%
Ca 317.933†	1585307.5	39.15	mg/L	0.126	39150	µg/L	125.7	0.32%
Cd 214.440†	5.4	0.0002	mg/L	0.00025	0.1528	µg/L	0.25073	164.04%
Co 228.616†	12.6	0.0020	mg/L	0.00021	2.042	µg/L	0.2127	10.41%
Cr 205.560†	21.2	0.0036	mg/L	0.00068	3.610	µg/L	0.6810	18.87%
Cu 327.393†	295.5	0.0058	mg/L	0.00070	5.849	µg/L	0.6959	11.90%
Fe 238.204†	58.3	0.0022	mg/L	0.00041	2.211	µg/L	0.4112	18.60%
K 766.490†	8455.5	1.139	mg/L	0.0038	1139	µg/L	3.8	0.33%
Mg 279.077†	36361.7	9.699	mg/L	0.0274	9699	µg/L	27.4	0.28%
Mn 257.610†	137.1	0.0010	mg/L	0.00005	1.043	µg/L	0.0520	4.99%
Mo 202.031†	-0.7	-0.0002	mg/L	0.00254	-0.2243	µg/L	2.54204	>999.9%
Na 589.592†	211604.5	11.69	mg/L	0.044	11690	µg/L	43.6	0.37%
Ni 231.604†	-3.8	-0.0005	mg/L	0.00075	-0.5446	µg/L	0.74910	137.56%
Pb 220.353†	-21.9	-0.0147	mg/L	0.00364	-14.67	µg/L	3.635	24.78%
Sb 206.836†	19.4	0.0265	mg/L	0.00790	26.45	µg/L	7.899	29.86%
Se 196.026†	15.5	0.0295	mg/L	0.00306	29.51	µg/L	3.061	10.37%
Sn 189.927†	29.1	0.0112	mg/L	0.01088	11.21	µg/L	10.884	97.07%
Ti 334.940†	19.2	0.0001	mg/L	0.00014	0.1190	µg/L	0.14212	119.48%
Tl 190.801†	14.4	0.1327	mg/L	0.01868	132.7	µg/L	18.68	14.08%
V 292.402†	11.6	0.0003	mg/L	0.00022	0.3189	µg/L	0.22370	70.14%
Zn 206.200†	61.4	0.0066	mg/L	0.00033	6.559	µg/L	0.3320	5.06%
Li 670.784†	2083.9	0.0103	mg/L	0.00007	10.35	µg/L	0.072	0.70%
Sr 421.552†	235473.3	0.1869	mg/L	0.00062	186.9	µg/L	0.62	0.33%

Sequence No.: 26
Sample ID: BB21302-DUP4
Analyst:
Initial Sample Wt:

Autosampler Location: 32
Date Collected: 2/14/2012 1:04:25 PM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Mean Data: BB21302-DUP4

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	645106.7	101.7	%	1.19				1.17%
Ag 328.068†	16.8						10.55	62.74%
Al 308.215†	-19.5	-0.0438	mg/L	0.01007	-43.83	µg/L	10.074	22.98%
As 188.979†	3.0	0.0120	mg/L	0.00918	12.05	µg/L	9.176	76.16%
B 249.677†	221.0	0.0175	mg/L	0.00047	17.46	µg/L	0.474	2.71%
Ba 233.527†	2971.4	0.1725	mg/L	0.00292	172.5	µg/L	2.92	1.69%
Be 313.107†	-121.5	-0.0002	mg/L	0.00004	-0.1648	µg/L	0.03736	22.67%
Ca 317.933†	1637688.2	40.45	mg/L	0.356	40450	µg/L	355.8	0.88%
Cd 214.440†	3.5	0.0001	mg/L	0.00021	0.1009	µg/L	0.20593	204.10%
Co 228.616†	13.9	0.0023	mg/L	0.00162	2.257	µg/L	1.6187	71.71%
Cr 205.560†	27.5	0.0047	mg/L	0.00039	4.686	µg/L	0.3917	8.36%
Cu 327.393†	271.3	0.0050	mg/L	0.00037	5.028	µg/L	0.3744	7.45%
Fe 238.204†	42.0	0.0016	mg/L	0.00025	1.590	µg/L	0.2471	15.53%
K 766.490†	8722.3	1.175	mg/L	0.0204	1175	µg/L	20.4	1.74%
Mg 279.077†	37464.1	9.993	mg/L	0.1555	9993	µg/L	155.5	1.56%
Mn 257.610†	131.7	0.0010	mg/L	0.00007	1.002	µg/L	0.0675	6.73%
Mo 202.031†	1.1	0.0003	mg/L	0.00117	0.3215	µg/L	1.16770	363.19%
Na 589.592†	218114.8	12.05	mg/L	0.087	12050	µg/L	87.2	0.72%
Ni 231.604†	-0.9	-0.0001	mg/L	0.00056	-0.1359	µg/L	0.56317	414.29%
Pb 220.353†	-30.9	-0.0206	mg/L	0.00409	-20.64	µg/L	4.090	19.81%
Sb 206.836†	20.0	0.0273	mg/L	0.00716	27.27	µg/L	7.160	26.25%
Se 196.026†	13.9	0.0264	mg/L	0.00240	26.45	µg/L	2.400	9.08%
Sn 189.927†	31.1	0.0139	mg/L	0.00306	13.89	µg/L	3.055	22.00%
Ti 334.940†	12.1	0.0001	mg/L	0.00015	0.0750	µg/L	0.14857	197.98%
Tl 190.801†	12.2	0.1096	mg/L	0.00326	109.6	µg/L	3.26	2.98%
V 292.402†	34.1	0.0009	mg/L	0.00031	0.9394	µg/L	0.31204	33.22%
Zn 206.200†	60.9	0.0065	mg/L	0.00030	6.501	µg/L	0.3038	4.67%
Li 670.784†	2174.0	0.0108	mg/L	0.00039	10.79	µg/L	0.388	3.59%
Sr 421.552†	242803.1	0.1927	mg/L	0.00114	192.7	µg/L	1.14	0.59%

Sequence No.: 27
Sample ID: 1202004-36
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 33
Date Collected: 2/14/2012 1:08:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-36

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	646530.0	101.9	%	0.79				0.78%
Ag 328.068†	-8.7						48.81	562.41%
Al 308.215†	1.6	-0.0331	mg/L	0.01098	-33.05	µg/L	10.985	33.23%
As 188.979†	3.6	0.0134	mg/L	0.01694	13.36	µg/L	16.944	126.82%
B 249.677†	1090.9	0.0862	mg/L	0.00345	86.20	µg/L	3.447	4.00%
Ba 233.527†	49348.0	2.864	mg/L	0.0238	2864	µg/L	23.8	0.83%
Be 313.107†	-108.7	-0.0001	mg/L	0.00002	-0.1476	µg/L	0.01806	12.24%
Ca 317.933†	1408594.6	34.79	mg/L	0.260	34790	µg/L	260.1	0.75%
Cd 214.440†	7.1	0.0002	mg/L	0.00012	0.1962	µg/L	0.11541	58.83%
Co 228.616†	-9.3	-0.0015	mg/L	0.00148	-1.508	µg/L	1.4828	98.35%
Cr 205.560†	22.5	0.0038	mg/L	0.00120	3.835	µg/L	1.1981	31.24%
Cu 327.393†	10.1	-0.0023	mg/L	0.00098	-2.342	µg/L	0.9804	41.86%
Fe 238.204†	12.4	0.0005	mg/L	0.00013	0.4695	µg/L	0.12541	26.71%
K 766.490†	15039.7	2.026	mg/L	0.0173	2026	µg/L	17.3	0.85%
Mg 279.077†	37898.2	10.11	mg/L	0.078	10110	µg/L	78.3	0.77%
Mn 257.610†	46.8	0.0004	mg/L	0.00006	0.3558	µg/L	0.06371	17.91%
Mo 202.031†	-8.2	-0.0025	mg/L	0.00085	-2.475	µg/L	0.8463	34.20%
Na 589.592†	896796.1	49.53	mg/L	0.384	49530	µg/L	384.4	0.78%
Ni 231.604†	-5.7	-0.0008	mg/L	0.00134	-0.8231	µg/L	1.33951	162.74%
Pb 220.353†	-23.3	-0.0156	mg/L	0.00178	-15.58	µg/L	1.776	11.40%
Sb 206.836†	17.0	0.0226	mg/L	0.00555	22.63	µg/L	5.550	24.53%
Se 196.026†	13.0	0.0248	mg/L	0.00780	24.83	µg/L	7.797	31.40%
Sn 189.927†	25.6	0.0093	mg/L	0.01149	9.268	µg/L	11.4935	124.01%
Ti 334.940†	9.6	0.0001	mg/L	0.00016	0.0593	µg/L	0.15896	267.85%
Tl 190.801†	12.2	0.1095	mg/L	0.02211	109.5	µg/L	22.11	20.19%

V 292.402†	24.0	0.0007	mg/L	0.00023	0.6609	µg/L	0.22656	34.28%
Zn 206.200†	251.5	0.0269	mg/L	0.00050	26.86	µg/L	0.501	1.87%
Li 670.784†	19351.7	0.0961	mg/L	0.00083	96.08	µg/L	0.830	0.86%
Sr 421.552†	2217042.4	1.759	mg/L	0.0135	1759	µg/L	13.5	0.77%

Sequence No.: 28
Sample ID: 1202004-37
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 34
Date Collected: 2/14/2012 1:11:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-37

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	650798.8	102.6	%	0.33				0.32%
Ag 328.068†	35.3						22.43	63.52%
Al 308.215†	-14.5	-0.0037	mg/L	0.00572	-3.675	µg/L	5.7237	155.73%
As 188.979†	-1.0	-0.0023	mg/L	0.00761	-2.322	µg/L	7.6064	327.62%
B 249.677†	28.2	0.0022	mg/L	0.00057	2.228	µg/L	0.5685	25.52%
Ba 233.527†	2.9	0.0002	mg/L	0.00017	0.1678	µg/L	0.16501	98.33%
Be 313.107†	-72.2	-0.0001	mg/L	0.00002	-0.0985	µg/L	0.02465	25.02%
Ca 317.933†	29.1	0.0007	mg/L	0.00153	0.7182	µg/L	1.52802	212.76%
Cd 214.440†	4.6	0.0001	mg/L	0.00014	0.1268	µg/L	0.13685	107.91%
Co 228.616†	9.9	0.0016	mg/L	0.00155	1.602	µg/L	1.5518	96.85%
Cr 205.560†	-0.6	-0.0001	mg/L	0.00061	-0.0958	µg/L	0.61262	639.62%
Cu 327.393†	-33.9	-0.0010	mg/L	0.00061	-1.014	µg/L	0.6128	60.46%
Fe 238.204†	1.9	0.0001	mg/L	0.00031	0.0712	µg/L	0.31131	437.06%
K 766.490†	131.3	0.0177	mg/L	0.00754	17.69	µg/L	7.540	42.63%
Mg 279.077†	-0.9	-0.0002	mg/L	0.00154	-0.2442	µg/L	1.54484	632.60%
Mn 257.610†	7.3	0.0001	mg/L	0.00007	0.0559	µg/L	0.06679	119.44%
Mo 202.031†	0.4	0.0001	mg/L	0.00081	0.1353	µg/L	0.80617	595.82%
Na 589.592†	1343.5	0.0742	mg/L	0.01080	74.20	µg/L	10.802	14.56%
Ni 231.604†	1.0	0.0002	mg/L	0.00023	0.1502	µg/L	0.22711	151.21%
Pb 220.353†	0.6	0.0004	mg/L	0.00227	0.4274	µg/L	2.27036	531.16%
Sb 206.836†	4.4	0.0069	mg/L	0.00507	6.911	µg/L	5.0664	73.31%
Se 196.026†	5.9	0.0112	mg/L	0.00627	11.16	µg/L	6.271	56.17%
Sn 189.927†	-2.7	-0.0060	mg/L	0.00721	-6.042	µg/L	7.2150	119.42%
Ti 334.940†	6.0	0.0000	mg/L	0.00009	0.0370	µg/L	0.08619	233.25%
Tl 190.801†	0.3	0.0029	mg/L	0.01641	2.857	µg/L	16.4066	574.34%
V 292.402†	8.9	0.0002	mg/L	0.00025	0.2460	µg/L	0.24988	101.58%
Zn 206.200†	7.0	0.0008	mg/L	0.00055	0.7514	µg/L	0.54884	73.05%
Li 670.784†	-59.8	-0.0003	mg/L	0.00051	-0.2969	µg/L	0.51199	172.42%
Sr 421.552†	94.3	0.0001	mg/L	0.00003	0.0748	µg/L	0.02601	34.76%

Sequence No.: 29
Sample ID: 1202004-38
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 35
Date Collected: 2/14/2012 1:15:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-38

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	647434.6	102.0	%	0.33				0.32%
Ag 328.068†	-41.5						38.13	91.79%
Al 308.215†	-25.0	-0.0416	mg/L	0.00864	-41.58	µg/L	8.635	20.77%
As 188.979†	0.9	0.0070	mg/L	0.00680	6.995	µg/L	6.7998	97.21%
B 249.677†	1129.0	0.0891	mg/L	0.00182	89.14	µg/L	1.817	2.04%
Ba 233.527†	52292.8	3.035	mg/L	0.0146	3035	µg/L	14.6	0.48%
Be 313.107†	-96.0	-0.0001	mg/L	0.00003	-0.1301	µg/L	0.03244	24.92%
Ca 317.933†	1484959.5	36.67	mg/L	0.132	36670	µg/L	132.3	0.36%
Cd 214.440†	8.9	0.0002	mg/L	0.00007	0.2439	µg/L	0.06651	27.27%
Co 228.616†	-3.6	-0.0006	mg/L	0.00087	-0.5880	µg/L	0.87215	148.32%
Cr 205.560†	23.0	0.0039	mg/L	0.00037	3.928	µg/L	0.3704	9.43%
Cu 327.393†	-53.5	-0.0044	mg/L	0.00102	-4.384	µg/L	1.0216	23.31%
Fe 238.204†	1075.7	0.0408	mg/L	0.00041	40.77	µg/L	0.405	0.99%
K 766.490†	15749.5	2.121	mg/L	0.0079	2121	µg/L	7.9	0.37%
Mg 279.077†	40049.3	10.68	mg/L	0.052	10680	µg/L	52.0	0.49%

Mn 257.610†	8503.0	0.0647 mg/L	0.00037	64.70 µg/L	0.366	0.57%
Mo 202.031†	-6.0	-0.0018 mg/L	0.00102	-1.816 µg/L	1.0155	55.93%
Na 589.592†	941628.5	52.01 mg/L	0.344	52010 µg/L	343.7	0.66%
Ni 231.604†	-5.8	-0.0008 mg/L	0.00110	-0.8463 µg/L	1.09534	129.43%
Pb 220.353†	-24.2	-0.0162 mg/L	0.00457	-16.21 µg/L	4.570	28.18%
Sb 206.836†	16.6	0.0216 mg/L	0.00805	21.59 µg/L	8.050	37.29%
Se 196.026†	11.9	0.0227 mg/L	0.00566	22.68 µg/L	5.656	24.94%
Sn 189.927†	28.4	0.0130 mg/L	0.00546	13.03 µg/L	5.460	41.91%
Ti 334.940†	5.5	0.0000 mg/L	0.00005	0.0343 µg/L	0.04603	134.27%
Tl 190.801†	12.6	0.1131 mg/L	0.00946	113.1 µg/L	9.46	8.36%
V 292.402†	17.2	0.0005 mg/L	0.00042	0.4741 µg/L	0.41604	87.75%
Zn 206.200†	9.5	0.0010 mg/L	0.00019	1.017 µg/L	0.1882	18.51%
Li 670.784†	20255.4	0.1006 mg/L	0.00116	100.6 µg/L	1.16	1.15%
Sr 421.552†	2353086.0	1.867 mg/L	0.0139	1867 µg/L	13.9	0.74%

Sequence No.: 30
Sample ID: 1202004-39
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 36
Date Collected: 2/14/2012 1:20:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-39

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	663007.8	104.5	%	0.33				0.31%
Ag 328.068†	-36.8						12.89	35.02%
Al 308.215†	-23.1	-0.0392	mg/L	0.00784	-39.20	µg/L	7.839	20.00%
As 188.979†	1.0	0.0069	mg/L	0.00681	6.909	µg/L	6.8071	98.52%
B 249.677†	1061.6	0.0838	mg/L	0.00085	83.82	µg/L	0.851	1.02%
Ba 233.527†	49459.2	2.871	mg/L	0.0145	2871	µg/L	14.5	0.50%
Be 313.107†	-100.8	-0.0001	mg/L	0.00001	-0.1369	µg/L	0.01462	10.68%
Ca 317.933†	1404877.9	34.70	mg/L	0.147	34700	µg/L	146.9	0.42%
Cd 214.440†	-10.1	-0.0003	mg/L	0.00010	-0.2737	µg/L	0.10191	37.24%
Co 228.616†	-15.0	-0.0024	mg/L	0.00032	-2.429	µg/L	0.3248	13.37%
Cr 205.560†	17.0	0.0029	mg/L	0.00069	2.903	µg/L	0.6925	23.85%
Cu 327.393†	-57.0	-0.0043	mg/L	0.00065	-4.337	µg/L	0.6502	14.99%
Fe 238.204†	1008.4	0.0382	mg/L	0.00039	38.22	µg/L	0.388	1.02%
K 766.490†	15067.3	2.029	mg/L	0.0067	2029	µg/L	6.7	0.33%
Mg 279.077†	37752.1	10.07	mg/L	0.044	10070	µg/L	43.6	0.43%
Mn 257.610†	8029.1	0.0611	mg/L	0.00070	61.10	µg/L	0.697	1.14%
Mo 202.031†	-1.5	-0.0005	mg/L	0.00183	-0.4553	µg/L	1.82667	401.22%
Na 589.592†	895885.3	49.48	mg/L	0.006	49480	µg/L	6.3	0.01%
Ni 231.604†	-3.9	-0.0006	mg/L	0.00167	-0.5613	µg/L	1.67078	297.66%
Pb 220.353†	-22.6	-0.0151	mg/L	0.00343	-15.09	µg/L	3.426	22.71%
Sb 206.836†	8.2	0.0087	mg/L	0.00938	8.664	µg/L	9.3844	108.32%
Se 196.026†	10.2	0.0194	mg/L	0.00391	19.37	µg/L	3.911	20.20%
Sn 189.927†	26.4	0.0113	mg/L	0.00487	11.33	µg/L	4.869	42.98%
Ti 334.940†	-7.2	0.0000	mg/L	0.00021	-0.0444	µg/L	0.21219	478.33%
Tl 190.801†	12.5	0.1130	mg/L	0.01321	113.0	µg/L	13.21	11.68%
V 292.402†	22.0	0.0006	mg/L	0.00060	0.6051	µg/L	0.60390	99.80%
Zn 206.200†	5.4	0.0006	mg/L	0.00027	0.5730	µg/L	0.27366	47.76%
Li 670.784†	19490.7	0.0968	mg/L	0.00041	96.77	µg/L	0.407	0.42%
Sr 421.552†	2227887.0	1.768	mg/L	0.0007	1768	µg/L	0.7	0.04%

Sequence No.: 31
Sample ID: IBL
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 2/14/2012 1:24:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: IBL

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	648068.1	102.1	%	0.56				0.55%
Ag 328.068†	66.9						36.16	54.05%
Unable to evaluate QC.								
Al 308.215†	5.1	0.0013	mg/L	0.00516	1.283	µg/L	5.1563	402.01%
QC value within limits for Al 308.215 Recovery = Not calculated								

As 188.979†	-4.6	-0.0107 mg/L	0.00187	-10.65 µg/L	1.868	17.54%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.677†	12.9	0.0010 mg/L	0.00070	1.022 µg/L	0.7002	68.53%
QC value within limits for B 249.677 Recovery = Not calculated						
Ba 233.527†	7.4	0.0004 mg/L	0.00026	0.4319 µg/L	0.25933	60.05%
QC value within limits for Ba 233.527 Recovery = Not calculated						
Be 313.107†	-38.3	-0.0001 mg/L	0.00004	-0.0522 µg/L	0.03814	73.07%
QC value within limits for Be 313.107 Recovery = Not calculated						
Ca 317.933†	211.5	0.0052 mg/L	0.00351	5.224 µg/L	3.5053	67.10%
QC value within limits for Ca 317.933 Recovery = Not calculated						
Cd 214.440†	9.3	0.0003 mg/L	0.00019	0.2517 µg/L	0.19262	76.52%
QC value within limits for Cd 214.440 Recovery = Not calculated						
Co 228.616†	9.6	0.0016 mg/L	0.00064	1.563 µg/L	0.6395	40.91%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 205.560†	-0.1	0.0000 mg/L	0.00041	-0.0176 µg/L	0.41404	>999.9%
QC value within limits for Cr 205.560 Recovery = Not calculated						
Cu 327.393†	-19.5	-0.0006 mg/L	0.00101	-0.5824 µg/L	1.01491	174.26%
QC value within limits for Cu 327.393 Recovery = Not calculated						
Fe 238.204†	9.9	0.0004 mg/L	0.00032	0.3750 µg/L	0.31533	84.08%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	312.2	0.0420 mg/L	0.00445	42.05 µg/L	4.453	10.59%
QC value within limits for K 766.490 Recovery = Not calculated						
Mg 279.077†	10.3	0.0028 mg/L	0.00239	2.750 µg/L	2.3880	86.82%
QC value within limits for Mg 279.077 Recovery = Not calculated						
Mn 257.610†	43.8	0.0003 mg/L	0.00003	0.3336 µg/L	0.03356	10.06%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	-0.3	-0.0001 mg/L	0.00057	-0.0760 µg/L	0.56928	749.02%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	1491.9	0.0824 mg/L	0.01319	82.40 µg/L	13.194	16.01%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	5.4	0.0008 mg/L	0.00027	0.7849 µg/L	0.26599	33.89%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-2.3	-0.0015 mg/L	0.00128	-1.518 µg/L	1.2788	84.25%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 206.836†	7.3	0.0114 mg/L	0.00806	11.42 µg/L	8.063	70.63%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	3.2	0.0061 mg/L	0.00232	6.068 µg/L	2.3186	38.21%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-2.0	-0.0045 mg/L	0.01044	-4.454 µg/L	10.4360	234.32%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	4.4	0.0000 mg/L	0.00014	0.0270 µg/L	0.14326	530.51%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-0.0	0.0000 mg/L	0.00486	-0.0150 µg/L	4.85958	>999.9%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	22.0	0.0006 mg/L	0.00014	0.6065 µg/L	0.14495	23.90%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	11.7	0.0012 mg/L	0.00023	1.247 µg/L	0.2342	18.77%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Li 670.784†	172.6	0.0009 mg/L	0.00022	0.8570 µg/L	0.21721	25.34%
QC value within limits for Li 670.784 Recovery = Not calculated						
Sr 421.552†	204.1	0.0002 mg/L	0.00006	0.1620 µg/L	0.06383	39.41%
QC value within limits for Sr 421.552 Recovery = Not calculated						

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 32
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/14/2012 1:28:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	649989.8	102.4	%	0.85				0.83%
Ag 328.068†	-263.1						12.61	4.79%
Al 308.215†	38277.6	9.660	mg/L	0.1114	9660	µg/L	111.4	1.15%
QC value within limits for Al 308.215 Recovery = 96.60%								
As 188.979†	2162.3	5.041	mg/L	0.0466	5041	µg/L	46.6	0.92%
QC value within limits for As 188.979 Recovery = 100.82%								
B 249.677†	30755.1	2.425	mg/L	0.0363	2425	µg/L	36.3	1.50%

QC value within limits for B 249.677 Recovery = 97.00%

Ba 233.527†	42358.6	2.459 mg/L	0.0290	2459 µg/L	29.0	1.18%

QC value within limits for Ba 233.527 Recovery = 98.35%

Be 313.107†	1791284.0	2.445 mg/L	0.0091	2445 µg/L	9.1	0.37%

QC value within limits for Be 313.107 Recovery = 97.78%

Ca 317.933†	1016043.9	25.09 mg/L	0.137	25090 µg/L	136.7	0.54%

QC value within limits for Ca 317.933 Recovery = 100.38%

Cd 214.440†	92232.8	2.514 mg/L	0.0285	2514 µg/L	28.5	1.13%

QC value within limits for Cd 214.440 Recovery = 100.54%

Co 228.616†	15137.7	2.456 mg/L	0.0307	2456 µg/L	30.7	1.25%

QC value within limits for Co 228.616 Recovery = 98.24%

Cr 205.560†	29493.7	5.023 mg/L	0.0533	5023 µg/L	53.3	1.06%

QC value within limits for Cr 205.560 Recovery = 100.46%

Cu 327.393†	159512.5	4.761 mg/L	0.0562	4761 µg/L	56.2	1.18%

QC value within limits for Cu 327.393 Recovery = 95.22%

Fe 238.204†	265352.4	10.06 mg/L	0.064	10060 µg/L	64.0	0.64%

QC value within limits for Fe 238.204 Recovery = 100.58%

K 766.490†	176259.4	23.74 mg/L	0.047	23740 µg/L	46.6	0.20%

QC value less than the lower limit for K 766.490 Recovery = 94.96%

Mg 279.077†	93850.8	25.03 mg/L	0.285	25030 µg/L	285.3	1.14%

QC value within limits for Mg 279.077 Recovery = 100.13%

Mn 257.610†	655596.0	4.989 mg/L	0.0270	4989 µg/L	27.0	0.54%

QC value within limits for Mn 257.610 Recovery = 99.77%

Mo 202.031†	1668.6	0.5055 mg/L	0.00470	505.5 µg/L	4.70	0.93%

QC value within limits for Mo 202.031 Recovery = 101.10%

Na 589.592†	440240.4	24.31 mg/L	0.102	24310 µg/L	101.5	0.42%

QC value within limits for Na 589.592 Recovery = 97.26%

Ni 231.604†	35092.6	5.077 mg/L	0.0673	5077 µg/L	67.3	1.33%

QC value within limits for Ni 231.604 Recovery = 101.55%

Pb 220.353†	3710.3	2.476 mg/L	0.0209	2476 µg/L	20.9	0.84%

QC value within limits for Pb 220.353 Recovery = 99.02%

Sb 206.836†	1693.8	2.541 mg/L	0.0449	2541 µg/L	44.9	1.77%

QC value within limits for Sb 206.836 Recovery = 101.63%

Se 196.026†	1355.7	2.587 mg/L	0.0230	2587 µg/L	23.0	0.89%

QC value within limits for Se 196.026 Recovery = 103.46%

Sn 189.927†	1130.4	2.527 mg/L	0.0307	2527 µg/L	30.7	1.22%

QC value within limits for Sn 189.927 Recovery = 101.06%

Ti 334.940†	79264.8	0.4915 mg/L	0.00650	491.5 µg/L	6.50	1.32%

QC value within limits for Ti 334.940 Recovery = 98.30%

Tl 190.801†	257.2	2.561 mg/L	0.0537	2561 µg/L	53.7	2.10%

QC value within limits for Tl 190.801 Recovery = 102.46%

V 292.402†	44590.6	1.228 mg/L	0.0131	1228 µg/L	13.1	1.06%

QC value within limits for V 292.402 Recovery = 98.24%

Zn 206.200†	97680.3	10.43 mg/L	0.114	10430 µg/L	113.9	1.09%

QC value within limits for Zn 206.200 Recovery = 104.27%

Li 670.784†	455733.7	2.263 mg/L	0.0040	2263 µg/L	4.0	0.18%

QC value within limits for Li 670.784 Recovery = 90.51%

Sr 421.552†	3028013.3	2.403 mg/L	0.0172	2403 µg/L	17.2	0.72%

QC value within limits for Sr 421.552 Recovery = 96.11%

QC Failed. Continue with analysis.

Sequence No.: 33
Sample ID: 1202004-40
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 37
Date Collected: 2/14/2012 1:32:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-40

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	665293.9	104.8	%	0.36				0.34%
Ag 328.068†	11.6						36.92	317.11%
Al 308.215†	-7.1	-0.0226	mg/L	0.00194	-22.60	µg/L	1.942	8.59%
As 188.979†	1.0	0.0050	mg/L	0.00233	4.963	µg/L	2.3318	46.98%
B 249.677†	281.0	0.0222	mg/L	0.00322	22.20	µg/L	3.216	14.49%
Ba 233.527†	313.7	0.0182	mg/L	0.00025	18.21	µg/L	0.255	1.40%
Be 313.107†	30.6	0.0000	mg/L	0.00003	0.0422	µg/L	0.03186	75.50%
Ca 317.933†	876007.3	21.64	mg/L	0.047	21640	µg/L	47.3	0.22%
Cd 214.440†	3.9	0.0001	mg/L	0.00009	0.1091	µg/L	0.09395	86.10%
Co 228.616†	7.8	0.0013	mg/L	0.00095	1.270	µg/L	0.9488	74.68%

Cr 205.560†	14.8	0.0025 mg/L	0.00040	2.527 µg/L	0.4022	15.91%
Cu 327.393†	51.4	-0.0001 mg/L	0.00108	-0.1094 µg/L	1.08354	990.30%
Fe 238.204†	45.1	0.0017 mg/L	0.00028	1.711 µg/L	0.2820	16.48%
K 766.490†	4710.3	0.6344 mg/L	0.00523	634.4 µg/L	5.23	0.82%
Mg 279.077†	18897.0	5.040 mg/L	0.0346	5040 µg/L	34.6	0.69%
Mn 257.610†	57.5	0.0004 mg/L	0.00008	0.4376 µg/L	0.07869	17.98%
Mo 202.031†	3.8	0.0012 mg/L	0.00114	1.161 µg/L	1.1351	97.73%
Na 589.592†	93844.7	5.183 mg/L	0.0189	5183 µg/L	18.9	0.37%
Ni 231.604†	2.4	0.0003 mg/L	0.00087	0.3476 µg/L	0.86818	249.76%
Pb 220.353†	-17.0	-0.0114 mg/L	0.00274	-11.40 µg/L	2.736	24.00%
Sb 206.836†	19.1	0.0280 mg/L	0.00360	27.97 µg/L	3.596	12.86%
Se 196.026†	9.8	0.0188 mg/L	0.00653	18.79 µg/L	6.525	34.73%
Sn 189.927†	17.0	0.0082 mg/L	0.00678	8.222 µg/L	6.7821	82.49%
Ti 334.940†	0.8	0.0000 mg/L	0.00026	0.0053 µg/L	0.25760	>999.9%
Tl 190.801†	7.1	0.0648 mg/L	0.01882	64.80 µg/L	18.819	29.04%
V 292.402†	23.8	0.0007 mg/L	0.00025	0.6556 µg/L	0.25279	38.56%
Zn 206.200†	61.3	0.0065 mg/L	0.00057	6.547 µg/L	0.5683	8.68%
Li 670.784†	1132.4	0.0056 mg/L	0.00037	5.622 µg/L	0.3750	6.67%
Sr 421.552†	50701.2	0.0402 mg/L	0.00022	40.23 µg/L	0.218	0.54%

Sequence No.: 34
Sample ID: 1202004-41 BB 21302 MS4
Analyst:
Initial Sample Wt:
Dilution:
JW 2/14/12

Autosampler Location: 38
Date Collected: 2/14/2012 1:36:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-41

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	668037.2	105.3	%	1.06				1.00%
Ag 328.068†	2550.8						17.86	0.70%
Al 308.215†	8010.0	1.996	mg/L	0.0262	1996	µg/L	26.2	1.31%
As 188.979†	227.7	0.5412	mg/L	0.00623	541.2	µg/L	6.23	1.15%
B 249.677†	6578.9	0.5193	mg/L	0.00678	519.3	µg/L	6.78	1.30%
Ba 233.527†	36016.1	2.091	mg/L	0.0201	2091	µg/L	20.1	0.96%
Be 313.107†	37727.7	0.0516	mg/L	0.00053	51.57	µg/L	0.529	1.03%
Ca 317.933†	1297458.0	32.04	mg/L	0.257	32040	µg/L	257.0	0.80%
Cd 214.440†	1870.6	0.0508	mg/L	0.00082	50.83	µg/L	0.818	1.61%
Co 228.616†	3138.9	0.5093	mg/L	0.00321	509.3	µg/L	3.21	0.63%
Cr 205.560†	3120.2	0.5320	mg/L	0.00517	532.0	µg/L	5.17	0.97%
Cu 327.393†	16811.3	0.4996	mg/L	0.00599	499.6	µg/L	5.99	1.20%
Fe 238.204†	137966.3	5.229	mg/L	0.0583	5229	µg/L	58.3	1.11%
K 766.490†	152434.0	20.53	mg/L	0.103	20530	µg/L	102.8	0.50%
Mg 279.077†	58075.4	15.49	mg/L	0.180	15490	µg/L	180.0	1.16%
Mn 257.610†	69082.8	0.5257	mg/L	0.00564	525.7	µg/L	5.64	1.07%
Mo 202.031†	1765.1	0.5347	mg/L	0.00533	534.7	µg/L	5.33	1.00%
Na 589.592†	276360.9	15.26	mg/L	0.087	15260	µg/L	87.4	0.57%
Ni 231.604†	3608.5	0.5221	mg/L	0.00508	522.1	µg/L	5.08	0.97%
Pb 220.353†	742.8	0.4964	mg/L	0.00759	496.4	µg/L	7.59	1.53%
Sb 206.836†	373.3	0.5652	mg/L	0.00350	565.2	µg/L	3.50	0.62%
Se 196.026†	291.0	0.5552	mg/L	0.02205	555.2	µg/L	22.05	3.97%
Sn 189.927†	261.7	0.5482	mg/L	0.01010	548.2	µg/L	10.10	1.84%
Ti 334.940†	84367.9	0.5231	mg/L	0.00554	523.1	µg/L	5.54	1.06%
Tl 190.801†	60.2	0.5786	mg/L	0.02730	578.6	µg/L	27.30	4.72%
V 292.402†	18508.9	0.5097	mg/L	0.00503	509.7	µg/L	5.03	0.99%
Zn 206.200†	5136.8	0.5480	mg/L	0.00542	548.0	µg/L	5.42	0.99%
Li 670.784†	97068.8	0.4819	mg/L	0.00079	481.9	µg/L	0.79	0.16%
Sr 421.552†	684649.9	0.5433	mg/L	0.00294	543.3	µg/L	2.94	0.54%

Sequence No.: 35
Sample ID: 1202004-~~42~~ 41
Analyst:
Initial Sample Wt:
Dilution:
JW 2/14/12

Autosampler Location: 39
Date Collected: 2/14/2012 1:39:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 1202004-42

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD

Y 360.073	661953.1	104.3	%	0.69				0.66%
Ag 328.068†	-18.4						2.16	11.74%
Al 308.215†	2.4	-0.0364	mg/L	0.00507	-36.42	µg/L	5.075	13.93%
As 188.979†	3.9	0.0140	mg/L	0.00551	13.96	µg/L	5.506	39.44%
B 249.677†	285.3	0.0225	mg/L	0.00057	22.54	µg/L	0.574	2.55%
Ba 233.527†	2818.4	0.1636	mg/L	0.00095	163.6	µg/L	0.95	0.58%
Be 313.107†	-74.2	-0.0001	mg/L	0.00002	-0.1003	µg/L	0.01829	18.23%
Ca 317.933†	1559359.1	38.51	mg/L	0.107	38510	µg/L	107.1	0.28%
Cd 214.440†	-9.8	-0.0003	mg/L	0.00013	-0.2644	µg/L	0.13319	50.37%
Co 228.616†	7.6	0.0012	mg/L	0.00007	1.236	µg/L	0.0702	5.68%
Cr 205.560†	25.6	0.0044	mg/L	0.00061	4.359	µg/L	0.6085	13.96%
Cu 327.393†	22.6	-0.0023	mg/L	0.00044	-2.251	µg/L	0.4405	19.57%
Fe 238.204†	66.7	0.0025	mg/L	0.00032	2.526	µg/L	0.3235	12.81%
K 766.490†	8482.9	1.143	mg/L	0.0179	1143	µg/L	17.9	1.57%
Mg 279.077†	35783.2	9.544	mg/L	0.0465	9544	µg/L	46.5	0.49%
Mn 257.610†	116.7	0.0009	mg/L	0.00006	0.8877	µg/L	0.05781	6.51%
Mo 202.031†	2.2	0.0007	mg/L	0.00061	0.6589	µg/L	0.61428	93.23%
Na 589.592†	208144.9	11.50	mg/L	0.018	11500	µg/L	17.8	0.16%
Ni 231.604†	-6.0	-0.0009	mg/L	0.00020	-0.8721	µg/L	0.20101	23.05%
Pb 220.353†	-33.8	-0.0226	mg/L	0.00187	-22.64	µg/L	1.871	8.26%
Sb 206.836†	8.6	0.0095	mg/L	0.00318	9.548	µg/L	3.1823	33.33%
Se 196.026†	14.6	0.0279	mg/L	0.01386	27.95	µg/L	13.860	49.59%
Sn 189.927†	29.7	0.0135	mg/L	0.00153	13.46	µg/L	1.533	11.39%
Ti 334.940†	-9.3	-0.0001	mg/L	0.00017	-0.0574	µg/L	0.16871	294.11%
Tl 190.801†	12.2	0.1102	mg/L	0.00280	110.2	µg/L	2.80	2.55%
V 292.402†	29.2	0.0008	mg/L	0.00056	0.8028	µg/L	0.56113	69.90%
Zn 206.200†	25.6	0.0027	mg/L	0.00037	2.732	µg/L	0.3697	13.53%
Li 670.784†	2152.7	0.0107	mg/L	0.00031	10.69	µg/L	0.314	2.94%
Sr 421.552†	231796.1	0.1839	mg/L	0.00055	183.9	µg/L	0.55	0.30%

Sequence No.: 36
Sample ID: BB21302-MS4
Analyst:
Initial Sample Wt: 42 JMD 2/14/12
Dilution:

Autosampler Location: 40
Date Collected: 2/14/2012 1:43:27 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: BB21302-MS4

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	645943.0	101.8	%	0.68				0.66%
Ag 328.068†	44.6						11.60	26.02%
Al 308.215†	4.9	-0.0227	mg/L	0.00338	-22.70	µg/L	3.377	14.88%
As 188.979†	1.3	0.0044	mg/L	0.00701	4.449	µg/L	7.0119	157.59%
B 249.677†	118.7	0.0094	mg/L	0.00090	9.380	µg/L	0.9034	9.63%
Ba 233.527†	2617.5	0.1519	mg/L	0.00068	151.9	µg/L	0.68	0.44%
Be 313.107†	-96.5	-0.0001	mg/L	0.00004	-0.1311	µg/L	0.03528	26.90%
Ca 317.933†	1007990.7	24.89	mg/L	0.063	24890	µg/L	62.9	0.25%
Cd 214.440†	18.7	0.0005	mg/L	0.00001	0.5106	µg/L	0.01369	2.68%
Co 228.616†	13.0	0.0021	mg/L	0.00057	2.101	µg/L	0.5658	26.93%
Cr 205.560†	15.7	0.0027	mg/L	0.00046	2.676	µg/L	0.4618	17.26%
Cu 327.393†	87.5	0.0007	mg/L	0.00065	0.7230	µg/L	0.65085	90.02%
Fe 238.204†	29.9	0.0011	mg/L	0.00008	1.135	µg/L	0.0843	7.43%
K 766.490†	6443.8	0.8679	mg/L	0.01358	867.9	µg/L	13.58	1.56%
Mg 279.077†	11218.6	2.992	mg/L	0.0253	2992	µg/L	25.3	0.84%
Mn 257.610†	129.3	0.0010	mg/L	0.00008	0.9842	µg/L	0.08351	8.48%
Mo 202.031†	5.8	0.0018	mg/L	0.00070	1.772	µg/L	0.6995	39.49%
Na 589.592†	49748.0	2.748	mg/L	0.0023	2748	µg/L	2.3	0.08%
Ni 231.604†	0.5	0.0001	mg/L	0.00072	0.0752	µg/L	0.72158	959.74%
Pb 220.353†	-18.1	-0.0121	mg/L	0.00263	-12.10	µg/L	2.629	21.73%
Sb 206.836†	15.8	0.0235	mg/L	0.00106	23.53	µg/L	1.062	4.52%
Se 196.026†	4.4	0.0084	mg/L	0.00390	8.439	µg/L	3.9011	46.22%
Sn 189.927†	18.4	0.0069	mg/L	0.00127	6.947	µg/L	1.2669	18.24%
Ti 334.940†	20.6	0.0001	mg/L	0.00007	0.1278	µg/L	0.07377	57.73%
Tl 190.801†	7.8	0.0754	mg/L	0.00975	75.42	µg/L	9.745	12.92%
V 292.402†	24.5	0.0007	mg/L	0.00020	0.6750	µg/L	0.19908	29.49%
Zn 206.200†	42.6	0.0045	mg/L	0.00057	4.548	µg/L	0.5709	12.55%
Li 670.784†	1050.9	0.0052	mg/L	0.00016	5.218	µg/L	0.1627	3.12%
Sr 421.552†	80740.6	0.0641	mg/L	0.00019	64.07	µg/L	0.193	0.30%

User canceled analysis.

Analysis Begun

Start Time: 2/14/2012 1:49:56 PM
Plasma On Time: 2/14/2012 7:51:02 AM
Logged In Analyst: Optima
Technique: ICP Continuous
Spectrometer Model: Optima 3300 DV, S/N 069N9033001Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\BA20301.sif
Batch ID: BB21302
Results Data Set: DV120214
Results Library: C:\pe\Administrator\Results\Results.mdb

Sequence No.: 37
Autosampler Location: 41
Sample ID: 1202004-43
Date Collected: 2/14/2012 1:49:58 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: 1202004-43

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	666377.1	105.0	%	0.46				0.44%
Ag 328.068†	-12.6						33.22	263.17%
Al 308.215†	-8.0	-0.0407	mg/L	0.00228	-40.67	µg/L	2.282	5.61%
As 188.979†	0.8	0.0046	mg/L	0.00149	4.627	µg/L	1.4867	32.13%
B 249.677†	205.6	0.0162	mg/L	0.00087	16.25	µg/L	0.873	5.38%
Ba 233.527†	1454.0	0.0844	mg/L	0.00049	84.40	µg/L	0.486	0.58%
Be 313.107†	-97.9	-0.0001	mg/L	0.00002	-0.1326	µg/L	0.02189	16.50%
Ca 317.933†	1627226.3	40.19	mg/L	0.170	40190	µg/L	169.8	0.42%
Cd 214.440†	-4.4	-0.0001	mg/L	0.00023	-0.0979	µg/L	0.22947	234.45%
Co 228.616†	12.8	0.0021	mg/L	0.00081	2.069	µg/L	0.8070	39.00%
Cr 205.560†	25.9	0.0044	mg/L	0.00043	4.415	µg/L	0.4282	9.70%
Cu 327.393†	2114.2	0.0601	mg/L	0.00090	60.08	µg/L	0.900	1.50%
Fe 238.204†	54.6	0.0021	mg/L	0.00072	2.070	µg/L	0.7249	35.02%
K 766.490†	7973.9	1.074	mg/L	0.0006	1074	µg/L	0.6	0.06%
Mg 279.077†	21249.6	5.668	mg/L	0.0189	5668	µg/L	18.9	0.33%
Mn 257.610†	268.7	0.0020	mg/L	0.00008	2.044	µg/L	0.0760	3.72%
Mo 202.031†	-2.7	-0.0008	mg/L	0.00215	-0.8154	µg/L	2.14966	263.63%
Na 589.592†	217658.3	12.02	mg/L	0.005	12020	µg/L	5.3	0.04%
Ni 231.604†	-0.9	-0.0001	mg/L	0.00070	-0.1278	µg/L	0.70231	549.69%
Pb 220.353†	-27.5	-0.0184	mg/L	0.00368	-18.38	µg/L	3.683	20.04%
Sb 206.836†	15.0	0.0213	mg/L	0.00928	21.26	µg/L	9.275	43.64%
Se 196.026†	6.1	0.0116	mg/L	0.00055	11.64	µg/L	0.555	4.77%
Sn 189.927†	31.2	0.0144	mg/L	0.00716	14.37	µg/L	7.159	49.82%
Ti 334.940†	5.9	0.0000	mg/L	0.00014	0.0367	µg/L	0.13733	374.61%
Tl 190.801†	8.7	0.0801	mg/L	0.00985	80.15	µg/L	9.855	12.30%
V 292.402†	25.0	0.0007	mg/L	0.00036	0.6886	µg/L	0.35509	51.57%
Zn 206.200†	35.1	0.0037	mg/L	0.00039	3.747	µg/L	0.3891	10.38%
Li 670.784†	1908.3	0.0095	mg/L	0.00056	9.475	µg/L	0.5630	5.94%
Sr 421.552†	346085.6	0.2746	mg/L	0.00024	274.6	µg/L	0.24	0.09%

Sequence No.: 38
Autosampler Location: 42
Sample ID: 1202004-44
Date Collected: 2/14/2012 1:53:35 PM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Mean Data: 1202004-44

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	634343.7	99.97	%	0.894				0.89%
Ag 328.068†	59.4						30.38	51.10%
Al 308.215†	39.5	0.0100	mg/L	0.00910	10.000	µg/L	9.0989	90.99%
As 188.979†	-4.4	-0.0103	mg/L	0.00240	-10.34	µg/L	2.402	23.23%
B 249.677†	79.5	0.0063	mg/L	0.00105	6.281	µg/L	1.0526	16.76%
Ba 233.527†	1.2	0.0001	mg/L	0.00020	0.0700	µg/L	0.20396	291.29%
Be 313.107†	-79.1	-0.0001	mg/L	0.00003	-0.1080	µg/L	0.02754	25.50%
Ca 317.933†	174.4	0.0043	mg/L	0.00184	4.307	µg/L	1.8364	42.64%

Cd 214.440†	20.6	0.0006 mg/L	0.00016	0.5593 µg/L	0.15598	27.89%
Co 228.616†	15.8	0.0026 mg/L	0.00060	2.557 µg/L	0.6027	23.57%
Cr 205.560†	-2.6	-0.0004 mg/L	0.00042	-0.4361 µg/L	0.41945	96.18%
Cu 327.393†	-41.0	-0.0012 mg/L	0.00081	-1.225 µg/L	0.8070	65.89%
Fe 238.204†	7.5	0.0003 mg/L	0.00036	0.2831 µg/L	0.36284	128.18%
K 766.490†	233.4	0.0314 mg/L	0.00767	31.43 µg/L	7.672	24.41%
Mg 279.077†	-0.4	-0.0001 mg/L	0.00701	-0.1012 µg/L	7.00592	>999.9%
Mn 257.610†	46.9	0.0004 mg/L	0.00005	0.3568 µg/L	0.04836	13.56%
Mo 202.031†	0.3	0.0001 mg/L	0.00082	0.1007 µg/L	0.81839	812.48%
Na 589.592†	1253.5	0.0692 mg/L	0.00320	69.23 µg/L	3.202	4.63%
Ni 231.604†	-0.5	-0.0001 mg/L	0.00079	-0.0689 µg/L	0.78750	>999.9%
Pb 220.353†	-0.4	-0.0003 mg/L	0.00323	-0.2765 µg/L	3.23126	>999.9%
Sb 206.836†	15.5	0.0243 mg/L	0.00117	24.29 µg/L	1.171	4.82%
Se 196.026†	7.3	0.0138 mg/L	0.00732	13.84 µg/L	7.318	52.87%
Sn 189.927†	-1.6	-0.0035 mg/L	0.00785	-3.543 µg/L	7.8487	221.54%
Ti 334.940†	41.3	0.0003 mg/L	0.00004	0.2564 µg/L	0.03982	15.53%
Tl 190.801†	1.1	0.0116 mg/L	0.02718	11.60 µg/L	27.178	234.33%
V 292.402†	4.6	0.0001 mg/L	0.00045	0.1257 µg/L	0.44739	355.89%
Zn 206.200†	17.2	0.0018 mg/L	0.00018	1.840 µg/L	0.1778	9.66%
Li 670.784†	-33.9	-0.0002 mg/L	0.00027	-0.1684 µg/L	0.26658	158.26%
Sr 421.552†	-35.9	0.0000 mg/L	0.00001	-0.0285 µg/L	0.00993	34.85%

Sequence No.: 39 **Autosampler Location: 1**
Sample ID: IBL **Date Collected: 2/14/2012 1:57:15 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: IBL

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	648107.6	102.1	%	0.48				0.47%
Ag 328.068†	48.0						15.91	33.15%
Unable to evaluate QC.								
Al 308.215†	-13.4	-0.0034	mg/L	0.00462	-3.398	µg/L	4.6190	135.93%
QC value within limits for Al 308.215 Recovery = Not calculated								
As 188.979†	-3.0	-0.0069	mg/L	0.00333	-6.940	µg/L	3.3308	47.99%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	12.0	0.0010	mg/L	0.00080	0.9510	µg/L	0.79813	83.92%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 233.527†	4.3	0.0002	mg/L	0.00034	0.2479	µg/L	0.33800	136.34%
QC value within limits for Ba 233.527 Recovery = Not calculated								
Be 313.107†	-112.9	-0.0002	mg/L	0.00002	-0.1540	µg/L	0.01994	12.95%
QC value within limits for Be 313.107 Recovery = Not calculated								
Ca 317.933†	11.6	0.0003	mg/L	0.00210	0.2859	µg/L	2.10026	734.58%
QC value within limits for Ca 317.933 Recovery = Not calculated								
Cd 214.440†	13.7	0.0004	mg/L	0.00007	0.3729	µg/L	0.06971	18.69%
QC value within limits for Cd 214.440 Recovery = Not calculated								
Co 228.616†	10.5	0.0017	mg/L	0.00090	1.711	µg/L	0.9039	52.82%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.560†	0.5	0.0001	mg/L	0.00029	0.0791	µg/L	0.28892	365.45%
QC value within limits for Cr 205.560 Recovery = Not calculated								
Cu 327.393†	-23.6	-0.0007	mg/L	0.00021	-0.7055	µg/L	0.21180	30.02%
QC value within limits for Cu 327.393 Recovery = Not calculated								
Fe 238.204†	6.1	0.0002	mg/L	0.00027	0.2303	µg/L	0.27203	118.12%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	135.8	0.0183	mg/L	0.00607	18.29	µg/L	6.069	33.18%
QC value within limits for K 766.490 Recovery = Not calculated								
Mg 279.077†	-16.6	-0.0044	mg/L	0.00095	-4.434	µg/L	0.9467	21.35%
QC value within limits for Mg 279.077 Recovery = Not calculated								
Mn 257.610†	43.2	0.0003	mg/L	0.00009	0.3291	µg/L	0.09225	28.03%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	1.8	0.0006	mg/L	0.00025	0.5579	µg/L	0.24921	44.67%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	323.8	0.0179	mg/L	0.00400	17.88	µg/L	3.997	22.35%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.9	-0.0001	mg/L	0.00040	-0.1352	µg/L	0.39579	292.80%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.8	0.0032	mg/L	0.00394	3.217	µg/L	3.9439	122.61%
QC value within limits for Pb 220.353 Recovery = Not calculated								

Sb 206.836†	14.3	0.0224 mg/L	0.00587	22.43 µg/L	5.870	26.17%
QC value within limits for Sb 206.836 Recovery = Not calculated						
Se 196.026†	5.6	0.0107 mg/L	0.00517	10.71 µg/L	5.170	48.27%
QC value within limits for Se 196.026 Recovery = Not calculated						
Sn 189.927†	-0.8	-0.0019 mg/L	0.00461	-1.873 µg/L	4.6132	246.36%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Ti 334.940†	36.2	0.0002 mg/L	0.00005	0.2247 µg/L	0.04942	21.99%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	1.3	0.0131 mg/L	0.02154	13.12 µg/L	21.541	164.14%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.402†	7.4	0.0002 mg/L	0.00039	0.2046 µg/L	0.39500	193.02%
QC value within limits for V 292.402 Recovery = Not calculated						
Zn 206.200†	14.7	0.0016 mg/L	0.00015	1.569 µg/L	0.1531	9.75%
QC value within limits for Zn 206.200 Recovery = Not calculated						
Li 670.784†	186.3	0.0009 mg/L	0.00023	0.9250 µg/L	0.23487	25.39%
QC value within limits for Li 670.784 Recovery = Not calculated						
Sr 421.552†	39.7	0.0000 mg/L	0.00001	0.0315 µg/L	0.00721	22.87%
QC value within limits for Sr 421.552 Recovery = Not calculated						

All analyte(s) passed QC. One or more analytes were not evaluated.

Sequence No.: 40
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 8
Date Collected: 2/14/2012 2:00:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Mean Data: CCV@A/B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Y 360.073	634860.2	100.1	%	0.41				0.41%
Ag 328.068†	-305.4						50.42	16.51%
Al 308.215†	39921.9	10.07	mg/L	0.052	10070	µg/L	52.3	0.52%
QC value within limits for Al 308.215 Recovery = 100.74%								
As 188.979†	2268.3	5.288	mg/L	0.0308	5288	µg/L	30.8	0.58%
QC value greater than the upper limit for As 188.979 Recovery = 105.76%								
B 249.677†	32074.7	2.529	mg/L	0.0248	2529	µg/L	24.8	0.98%
QC value within limits for B 249.677 Recovery = 101.17%								
Ba 233.527†	44164.5	2.564	mg/L	0.0141	2564	µg/L	14.1	0.55%
QC value within limits for Ba 233.527 Recovery = 102.54%								
Be 313.107†	1861117.2	2.540	mg/L	0.0045	2540	µg/L	4.5	0.18%
QC value within limits for Be 313.107 Recovery = 101.60%								
Ca 317.933†	1062057.8	26.23	mg/L	0.048	26230	µg/L	47.5	0.18%
QC value within limits for Ca 317.933 Recovery = 104.92%								
Cd 214.440†	96551.7	2.631	mg/L	0.0150	2631	µg/L	15.0	0.57%
QC value greater than the upper limit for Cd 214.440 Recovery = 105.25%								
Co 228.616†	15716.8	2.550	mg/L	0.0159	2550	µg/L	15.9	0.62%
QC value within limits for Co 228.616 Recovery = 101.99%								
Cr 205.560†	30697.1	5.228	mg/L	0.0256	5228	µg/L	25.6	0.49%
QC value within limits for Cr 205.560 Recovery = 104.56%								
Cu 327.393†	165893.2	4.952	mg/L	0.0238	4952	µg/L	23.8	0.48%
QC value within limits for Cu 327.393 Recovery = 99.03%								
Fe 238.204†	274635.1	10.41	mg/L	0.051	10410	µg/L	50.5	0.49%
QC value within limits for Fe 238.204 Recovery = 104.09%								
K 766.490†	184042.6	24.79	mg/L	0.105	24790	µg/L	105.5	0.43%
QC value within limits for K 766.490 Recovery = 99.15%								
Mg 279.077†	97972.4	26.13	mg/L	0.159	26130	µg/L	158.6	0.61%
QC value within limits for Mg 279.077 Recovery = 104.53%								
Mn 257.610†	682861.4	5.196	mg/L	0.0115	5196	µg/L	11.5	0.22%
QC value within limits for Mn 257.610 Recovery = 103.92%								
Mo 202.031†	1732.8	0.5249	mg/L	0.00143	524.9	µg/L	1.43	0.27%
QC value within limits for Mo 202.031 Recovery = 104.99%								
Na 589.592†	455023.7	25.13	mg/L	0.083	25130	µg/L	83.0	0.33%
QC value within limits for Na 589.592 Recovery = 100.52%								
Ni 231.604†	36494.9	5.280	mg/L	0.0316	5280	µg/L	31.6	0.60%
QC value greater than the upper limit for Ni 231.604 Recovery = 105.61%								
Pb 220.353†	3876.7	2.587	mg/L	0.0198	2587	µg/L	19.8	0.76%
QC value within limits for Pb 220.353 Recovery = 103.47%								
Sb 206.836†	1755.5	2.633	mg/L	0.0318	2633	µg/L	31.8	1.21%
QC value greater than the upper limit for Sb 206.836 Recovery = 105.31%								
Se 196.026†	1421.6	2.712	mg/L	0.0149	2712	µg/L	14.9	0.55%

QC value greater than the upper limit for Se 196.026 Recovery = 108.50%

Sn 189.927†	1176.5	2.629 mg/L	0.0182	2629 µg/L	18.2	0.69%

QC value within limits for Sn 189.927 Recovery = 105.17%

Ti 334.940†	82635.1	0.5124 mg/L	0.00285	512.4 µg/L	2.85	0.56%

QC value within limits for Ti 334.940 Recovery = 102.48%

Tl 190.801†	271.7	2.707 mg/L	0.0129	2707 µg/L	12.9	0.48%

QC value greater than the upper limit for Tl 190.801 Recovery = 108.27%

V 292.402†	46654.6	1.285 mg/L	0.0069	1285 µg/L	6.9	0.53%

QC value within limits for V 292.402 Recovery = 102.79%

Zn 206.200†	101951.2	10.88 mg/L	0.069	10880 µg/L	68.8	0.63%

QC value greater than the upper limit for Zn 206.200 Recovery = 108.83%

Li 670.784†	475148.2	2.359 mg/L	0.0041	2359 µg/L	4.1	0.17%

QC value within limits for Li 670.784 Recovery = 94.36%

Sr 421.552†	3121540.3	2.477 mg/L	0.0062	2477 µg/L	6.2	0.25%

QC value within limits for Sr 421.552 Recovery = 99.08%

QC Failed. Retry.

Sequence No.: 41
Sample ID: CCV@A/B
Analyst:
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 8
Date Collected: 2/14/2012 2:04:03 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: